



Missouri S&T Magazine, February 1979

Miner Alumni Association

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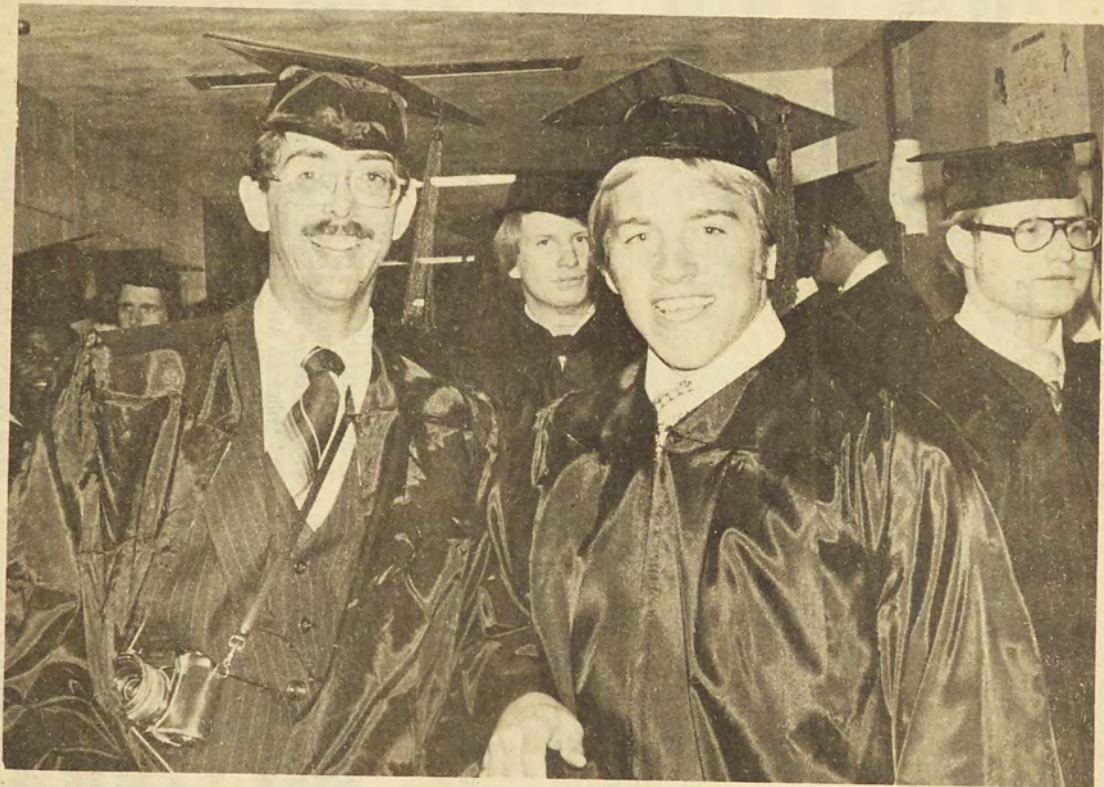
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Alumnus

University of Missouri - Rolla

February 1979

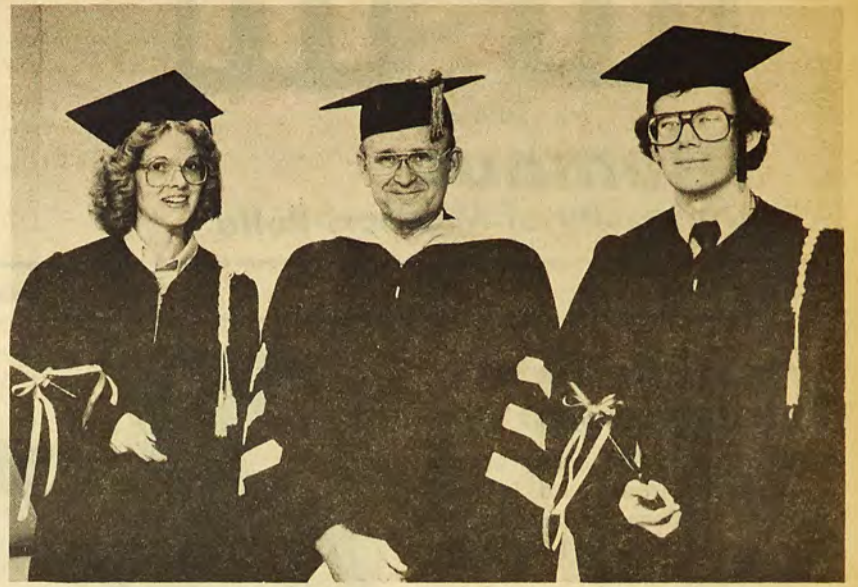


**HONOR ROLL
ISSUE**

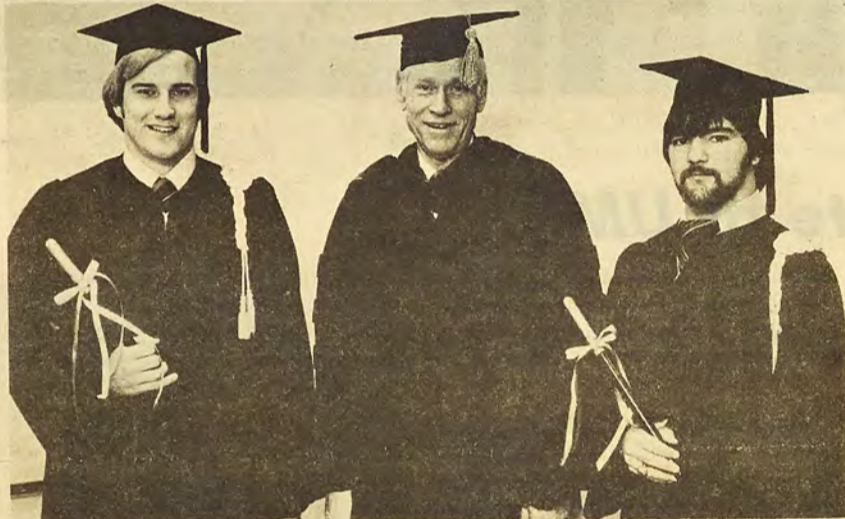
Student Marshals-Winter Commencement



Leading the School of Engineering as student marshals in the University of Missouri-Rolla's Winter Commencement processional were Gregory Phillip Pace, left, and Paul John Nauert, Jr., right. With them is Dr. James E. Halligan, center, dean of the school. Pace received a bachelor of science degree in civil engineering. He is the son of Mr. and Mrs. Clyde C. Pace, 1915 Dyer, Overland, Nauert received a bachelor of science degree in electrical engineering. He is the son of Mr. and Mrs. Paul Nauert Sr., 3944 Oregon St., St. Louis.



Leading the College of Arts and Sciences as student marshals in the University of Missouri-Rolla's Winter Commencement processional were Susan Rebecca Gauthier, left, and Danny Allen Reed, right. With them is Dr. Adrian H. Daane, center, dean of the college. Gauthier (Mrs. Corbert L.) received a bachelor of science degree in life sciences. She is the daughter of Mr. and Mrs. Hal L. Schraeder, 3760 S. 40th St., Lincoln, Neb. Reed received a bachelor of science degree in computer science. He is the son of Mr. and Mrs. Arthur J. Reed, Mammoth Spring, Ark.



Leading the School of Mines and Metallurgy as student marshals in the University of Missouri-Rolla's Winter Commencement processional were Steven Douglas Lautenschlaeger, left, and Steven Randall Chapman, right. With them is Dr. Theodore J. Planje, center, dean of the school. Marshals were graduating seniors selected by their dean on the basis of scholarship, leadership, and activities. Lautenschlaeger, 3341 New England, Niles, IL, received a bachelor of science degree in mining engineering. Chapman received a bachelor of science degree in petroleum engineering. He is the son of Mr. and Mrs. William R. Black, 669 Langs Drive, Jonesville, Mich.



1st. Row: L-R, Jane Murphy, Mrs. James Murphy Sr., Mrs. Edward Murphy, Mrs. James Murphy, Jr. 2nd Row: L-R, Dr. James J. Murphy, Edward Murphy, Peggy Murphy, James Murphy, Jr.

continued from page 1

On the national and state level, he is the recipient of the "Spirit of Life" award from City of Hope National Medical Center, where a research fellowship has been established in his name; he is a member of the University of Missouri Consulate—advisors to the University of Missouri Board of Curators; and a member of the Sierra Club and the Newcomen Society of North America.

Association's Certificate of Merit.
2/MSM-UMR Alumnus

His contributions to the St. Louis area include service on the board of directors of the Commercial Bank of St. Louis County; membership on the Firms and Corporations Council for St. Louis University; service on the board of directors of St. Louis Priory High School; and membership on the advisory board of the Youth Emergency Council of St. Louis.

Murphy and his wife, Emily, are the parents of six children. The family lives at 7 Chipper Road, Frontenac.

Unklesbay to Head Institute

Dr. A. G. Unklesbay, valued friend and honorary life member of the MSM-UMR Alumni Association recently announced that he plans to retire as vice president for administration for the University of Missouri and accept an appointment as executive director for the American Geological Institute effective March 1. As director of AGI, Dr. Unklesbay will carry out policies of the institute's board of governors in maintaining liaison with eighteen member societies. Dr. Unklesbay has assisted the president with central administrative duties such as University Press, University Archives, monitoring academic personnel policies, and coordinating relations with other institutions.

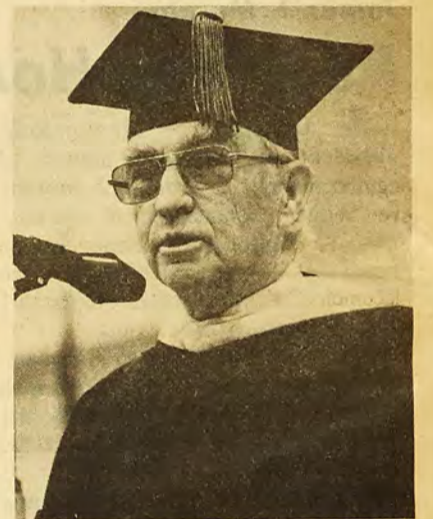
President James C. Olson notes that Dr. Unklesbay's duties will be primarily absorbed by the office of vice president for academic affairs Melvin D. George.

Dr. Unklesbay has been a member of the faculty of the University of Missouri since 1947. He received his A.B. degree from Marietta College in 1938, and his M.A. degree in 1940 and Ph.D. degree in 1942 from the University of Iowa. He was awarded an honorary Doctor of Science degree last year by Marietta College.

Early in his career, he worked for the U.S. Geological Survey—serving in Alaska, Florida and Puerto Rico. He was also with the Iowa Geological Survey for a year.

He began his academic life as an instructor in geology at Colgate University and then, after one year in that position, became an assistant professor of geology at the University of Missouri-Columbia. He was promoted to associate professor, then full professor, and, in 1959, was named chairman of the geology department. He held that post until 1966 when he became executive assistant to the president of the University. Shortly thereafter, in January, 1967, he was appointed to his present position.

Dr. Unklesbay is a member of the Association of Missouri Geologists, the Geological Society of America, the American Association of Petroleum



DR. A. G. UNKLESBAY

Geologists, the Paleontological Society and the Society of Economic Paleontologists and Mineralogists. He is author of some 30 published articles and two major publications—"Geology of Boone County," a Missouri Geological Survey Bulletin, and "Common Fossils of Missouri," published by the University of Missouri.

At Homecoming on Oct. 7, 1978, Dr. Unklesbay was made an Honorary Life Member of the MSM-UMR Alumni Association in recognition of his special kinship with UMR students and alumni.

IK Convention

The Osage Chapter of the Intercollegiate Knights will be hosting the National Convention in Rolla April 3 through 7. All IK Alumni are urged to attend. A \$55 registration fee covers meals, room and all IK convention activities. Interested alumni may contact Tom Burbridge, Convention Chairman, IK Box, Student Personnel T-26, UMR, Rolla, MO 65401, for further details.

Mother of Four Begins Army Career

Winter commencement at the University of Missouri-Rolla was cause for double celebration for Nancy Harrington. She received her B.S. degree in civil engineering and was commissioned a second lieutenant in the U.S. Corps of Engineers.

"It was really a family project," says 2nd Lt. Harrington. The new officer says that her husband, S/Sgt. Richard Harrington, and her four children, ages seven to thirteen, encouraged and supported her all the way. An honor student, she finished a normal four-year course in less than three years.

Nancy was in a hurry for a good reason. She didn't begin seriously studying for her degree and working toward her commission until she was past the usual maximum age for commissioning in the ROTC program. Even with the Army's age waiver, she had to graduate in December or lose her chance at being an officer. "It wasn't exactly easy," she says, "and at least once a semester I would decide to quit. But someone—a professor or my family—always talked me out of it."

It was her husband who encouraged her to start to college in the first place, she says. An honor student in high school, she had passed up a college scholarship for marriage and an off-and-

on career as a legal secretary. She picked up a few hours by taking a course at a time. Then, with her youngest child in kindergarten, she was so bored that her husband suggested she go to college.

She drove a 100 mile round trip to a community college, but she made A's in nine hours during her first semester. She had to drop out the second semester when her husband was transferred to Ft. Leonard Wood, MO, about 30 miles from Rolla.

She started at UMR in June of 1976 with 23 hours—and more than 100 to go for a degree. She changed her major from mathematics to civil engineering "which seemed more challenging," and decided that with her husband in the military, it made sense for her to also have a career in the Army.

"But when I found I would have to finish by December, 1978, I didn't see any way I could make it," she says. The way she made it was by going to school year-round, taking 21 hours a semester and 10 hours in the summer.

Now that she has her degree and commission, she will go to Ft. Belvoir for more training (Sgt. Harrington will be there on temporary duty) before she and her husband both go to Germany for their assignments.



Nancy and Richard Harrington

She expects that her double-faceted career in two male-dominated professions will not be too different from her experiences thus far in getting her education. She explains, "I feel that I have been really well accepted in both fields by the other students." "However," she adds, "when one of my fellow students—about a decade

younger than I—learned that I had four children and planned an Army career, he asked me 'What in the world would the Army want with somebody's mother?' The way I see it is that it shouldn't make any difference," she concludes with a smile. "You might just as well ask what in the world would the Army want with somebody's father?"

Banner Year Expected for Engineer Grads

1978 was a very good year for engineering graduates, but 1979 will be even better.

That's the prediction of L. R. Nuss, director of career development and placement at the University of Missouri-Rolla. UMR, which specializes in engineering and science, educates most of Missouri's engineering graduates.

"Last year was the best year since 1970 for students graduating with engineering and science degrees, and we are seeing an even higher demand this year," Nuss says.

During the fall recruiting season, the number of employers interviewing on the UMR campus was up more than 20 percent above last fall, and the number of job offers was more than 50 percent greater. Nuss expects a comparable increase in activity during the spring season.

Salary levels for UMR December graduates are averaging about eight percent higher than those for last May's graduates. Petroleum engineers continue to receive the highest starting salaries. December graduates in that field are averaging about \$1750 per month, an increase of about \$80 per month over last May's figure.

Last year engineering accounted for 58 percent of all jobs offers made in the country to B.S. graduates, according to the College Placement Council, which surveys a representative group of 158 colleges throughout the United States. Average starting salaries in engineering ranged from \$1288 to \$1653 per month. Nuss says that the average salary paid UMR engineering graduates exceeded

the national average in all fields. Among UMR science majors, the highest demand was for computer scientists, with an average starting salary of \$1332 per month.

"This year, as in the past few years, women and ethnic minority engineering students are most eagerly recruited by employers," Nuss says. "This shows up

both in the number of jobs and in the salaries offered."

He expects the present high demand for engineering and science graduates to continue indefinitely. "Energy problems continue to be a large part of the technical challenge to UMR graduates, and they project into the foreseeable future," he says.

Extension News

Here's a list of some of the extension short courses and conferences scheduled by UMR faculty and the extension division. Where titles are not self explanatory you may call for more detailed information including costs. Call "Extension Coordinator," 314-341-4201 or 4202. Written requests should be addressed to Walter Ries, UMR Extension Division, University of Missouri-Rolla, Rolla, Missouri 65401.

PROGRAM

Junior High School Band Clinic
 Refresher for Painting Contractors & Maintenance Engineers
 Sanitary Chemistry and Microbiology
 Introductory Short Course on Composition of Paint
 Ore Microscopy
 Instrumentation of Soil & Rock
 Quality Control and Paint Inspectors Short Course
 Electric Power Metering Practices
 Introductory Short Course on Tinting, Shading, & Matching Paints & Coatings
 Grouting
 Applications of Signal Processing
 Introduction to Microprocessor System Design
 Advanced Chemical Coatings Workshop
 Missouri Conference on History
 Micellar Solutions, Microemulsions and Liquid Crystals—A Systematic Approach
 Design and Application of High Frequency Amplifiers
 Computer Analysis of Earthquake Dynamics
 Quality Geotech Lab Testing
 53rd Colloid and Surface Science Symposium
 Digital Computer for High School Students
 Second Session
 Ultra Thin Coatings by Glow Discharge Polymerization
 UMR Summer Learning Experience
 Embarkment Dam Soil Aspects
 Porcelain Artists Workshop

LOCATION

Rolla
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 St. Louis
 Rolla

DATES

Feb. 22-23, 1979
 Feb. 26-Mar. 2, 1979
 March 5-8, 1979
 March 5-9, 1979
 March 5-9, 1979
 March 12-16, 1979
 March 26-30, 1979
 March, 1979
 April 2-6, 1979
 April 9-13, 1979
 April 16-18, 1979
 April 18-20, 1979
 April 23-27, 1979
 April 27-29, 1979
 May 1979
 May 7-9, 1979
 May 7-11, 1979
 May 14-18, 1979
 June 11-13, 1979
 June 11-15, 1979
 June 18-22, 1979
 June 13-15, 1979
 June 24-30, 1979
 July 16-20, 1979
 July 29-Aug. 3, 1979

MSM-UMR Alumnus/3

**HOMECOMING
 1979
 OCTOBER 12-13**

**REUNION CLASSES:
 1928 and Before, 1934,
 1939, 1944, 1949,
 1954, 1959, 1964,
 1969, 1974.**

Honor Roll of Alumni Fund Contributors

The Honor Roll of Donors to the 1978 Annual Alumni Fund is a roster of contributors to the Fund between January 1, 1978 and December 31, 1978. 1978 gift income set another record, \$136,182.48, up from \$132,121.65 in 1977. Thank You.

Every effort has been made to verify the accuracy of the Honor Roll, however, since we are still only striving for perfection, we would appreciate information about errors contained herein.

CENTURY CLUB 1977-433 Donors

CENTURY CLUB 1978-491 Donors

1903

Hauenstein, Frederick

1907

Fellows, Aubrey P.

1910

Bodman, John W.
Harlan, John D.

1911

Detweiler, Milan H.
Greene, Eva Hirdler
Townsend, Frank E.

1912

Grosberg, Alexander
Willmott, Miller E.

1914

Simrall, Riley M.

1916

Adams, Bernard W.
Deutman, Earl G.
Johnson, Gunnard E.
Lumaghi, Octavious L.
Mc Cartney, William H.
Miller, John C.
Vogel, Herman H.

1917

Bodman, John W.
Hauenstein, Frederick
Teas, Howard J.

1919

Doennecke, Henry W.
Scheurer, Leroy R.
Weiser, Hanley H.

1920

Barnard, Charles R.
Bash, David A.
Hoppock, Harland H.
Howard, Arthur M.
Nolte, William J.
Pietsch, Peter H.
Schuman, Edwin K.
Stubbins, John R.
Terry, Mark L.
Weiser, Hanley H.

1921

Badollet, Marion S.
Miller, Edwin L. Jr.
Miller, John C.
Needham, Albert B.
Rohloff, Joseph H.
Taylor, F. Huston
Williams, Anvil C.
Wilson, Joseph M.

1922

Ackers, Albert L.
Case, Walker E.
Christner, Glen J.
Deutman, Earl G.
Forgotson, James M.
Huffman, Daniel E. Jr.*
Leonard, Homer L.
Machin, Edwin G.
Mc Cartney, William H.
Rohloff, Joseph H.
Scruby, Horace D.*
Wheeler, Ernest S.
Wheeler, Jennie Lenox
Wyman, Glen S.

MSM ALUMNUS (USPS-323-500)

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.

1923

Adams, Bernard W.
Campbell, E. Taylor
Chomeau, Henri
Dorris, Milburn L.
Flesh, David J.
Ford, Ragan
Frame, Wayne S.
Gatts, William P.
Hoover, Bert F.
Lindgren, Roy A.
Moore, B. Hamilton*
Pesout, Edward
Remmers, Walter E.
Simrall, Riley M.
Teis, Kenneth R.
Ten Eyck, Warren E.
Wanenmacher, Joseph M.
Wheeler, Ernest S.
Wheeler, Jennie Lenox
Whitworth, Virgil L.
Wilkerson, Augustus B.
Zimmermann, Dee
Zoller, Henry E.



1924

Andrews, J. Lewis
Beardmore, Harold R.
Blake, Philip L.
Casey, Walter E.
Dierking, George T.
Gabler, George C.
Jett, James E.
Kemper, Claude L.
Kentnor, Charles B. Jr.
Kessler, Harry H.
Knight, William E.H.
Love, Perry R.
Lovett, Israel H.
Mc Brian, Ray*
Remmers, Walter E.
Smith, Edward A.
Teas, Howard J.
Weimer, W. Henry
Wilson, Joseph M.
Wright, Wilford S.

1925

Atkinson, Marion L. Jr.
Berry, Hugh R.
Browning, Bertie L.
Burnet, Leo L.
Eagan, Thomas E.
Gaines, George D.
Godwin, William
Hauck, William F.
Heim, Carl J.
Heitmann, Albert L.
Kuechler, Adolph H.
Matlack, Fred P.
Miller, Edwin L. Jr.
Needham, Albert B.
Pasley, James L.
Schneeberger, Fred C.
Shay, Daniel C.
Valerius, Claude N.
Ward, Ronald D.

1926

Birchard, Harry C.
Browning, Bertie L.
Gammeter, Elmer
Gammeter, Erwin
Godwin, William
Kennedy, Daniel
Kitchen, Charles L.
Lindenau, Edward M.
Mc Bride, Hollis E.
Moore, James P.
Rood, John A.
Smith, C. Cabanne
Staples, Guy W.
Thomas, Harold S.
Thompson, Bennet R.
Tyrrell, Morris L.

1927

Badollet, Marion S.
Barnard, Albert E.
Bash, David A.
Bisett, Donald J.
Bobroff, Harry A.
Boismenu, Clyde F.
Bossert, Harry F.
Clearman, Frederick
Gammeter, Elmer
Herrell, R.R.
Knight, William E.H.
Kraft, Ned O.
Lusk, R. Ralph
Moran, Ernest
Parsons, Edward W.
Paul, Murray J.
Remmers, Walter E.
Seydler, Frank K.
Sievers, Edwin R.
Smith, James F.
Thomas, Harold D.
Weber, Paul
Weiss, Clarence B.

1928

Baugartner, Rupert P.
Boyer, Phillip J.
Bradford, Pharris C.
Cordry, Cletus D.
Crumbaugh, Daniel H.
Donaldson, James G.
Faulkner, Edward C.
Freeman, Charles A.
Gross, Henry E.
Gross, Howard H.*
Herman, Theodore
Hill, Albert L.
Histed, Howard
Hodgdon, Sam D. Jr.
Johnson, George C.
Kilpatrick, Harold R.*
Machin, William B.
Moreland, Howard B.
Murphy, Thomas D.
Roberts, Gerald A.
Schweickhardt, William K.
Slates, Burl Y.
Smith, J. Warren
Thatcher, E. Fusz
Thomas, Harold D.
Ward, Ronald D.
Weiss, Clarence B.

1929

Bradford, Arthur L.
Coil, Benjamin R.
Crays, Glenn E.
Crum, E. Jefferson
Dittmer, Russell S.
Drake, William L.
Dresbach, Charles H.
English, Thomas O.
Frotscher, Guenther W.
Johnson, Charles W.
Jones, Harlow G.
Kemp, Arthur H.
Kirn, Emmet R.
Monsch, Henry D.
Morris, Orville W.
Murphy, Thomas D.
Potter, Charles J.
Schuette, Louis H.

1930

Alexander, Verne
Beatty, Ren
Clearman, Frederick
Davis, Willard E.
Dillingham, Marion A.
Eagan, Thomas E.
Gregory, Marguerite A.
Grimm, C. James
Harvey, Edwin T.
Hoeman, Erwin C.
Jennings, Charles H.
Kirkpatrick, Harry F.
Kirn, Emmet R.
Martin, Roy S.
Meeka, Edward
Moran, Ernest
Neal, Kenneth R.
Osterwald, Herbert R.
Payne, Richard F.
Potter, Charles J.
Rollman, William H.
Scheer, Henry O.
Shearer, Andrew C.
Stone, S. Allan
Thomas, Myron P.

1931

Baron, Adolph R.
Browning, Bertie L.
Conley, Jack N.
Donaldson, William E.
Epperson, Ernest R.
Gevecker, Vernon A.C.
Harrison, Albert
Herron, Henry R.
Huffman, Daniel E. Jr.*
Kirkpatrick, Ruel L.
Mitchell, Alfred A.
Murphey, Maurice F.
Pace, George M.
Page, Clifford F.
Pertici, Andrew L.
Ross, Charles E.
Sharp, William T.
Sperling, Elmer J.
Wade, Rolla T.
Walter, Edwin G.
Wilhite, Clyde E.
Williams, Rex Z.

The Alumni Educational Assistant Program is financed by the Annual Alumni Fund and provides employment for undergraduate students as research assistants or in other worthy projects in academic or support departments.

1932

Andres, Otto M.
Bertram, Richard A.*
Brewer, William
Casey, Walter E.
Davis, Stuart L.
Elsea, Carl A.
Epperson, Ernest R.
Friedman, Isaac W.
Gallenore, Willard A.
Gammeter, Elmer
Gibbs, Harold L.
Hale, Edward D.
Hippler, Robert F.
Hoeman, Arthur J.
Johnson, Leon K.
Kassay, Andrew W.
Kay, William T.
Macklin, Floyd S.
Mays, William R.
Mc Creight, Richard L.
Meyer, Henry W.
Monroe, Rex
Pasley, James L.
Pollak, John A.
Reid, Allen J.
Rhoades, Robert P.
Richardson, James K.
Riggs, W. Robert

1932 Continued

Roesser, Robert J.
Runder, Raymond H.
Schwarz, Arthur S.
Sperling, Elmer J.
Thompson, Homer P.
Wiethop, Russell H.
Williams, Arthur J. Jr.
Wilson, Frederick G.

1933

Asher, Vernon L.
Beinlich, Alfred W.
Berthold, Clarence F.
Borchers, Raymond W.
Braun, Walter H.
Coghill, William W.
Doll, Ellen W.
Edgar, M. Russell
Farmer, John O.
Federow, Harry
Gross, Bernard Jr.
Hibbits, Lowell A.*
Hunze, Charles L.W.
Jabsen, William J.
Kaczmarek, Theodore B.
Kay, William W.
Koopmann, William Jr.
Lambur, Charles H.
Lenz, William H.
Long, Don M.
Mc Donald, James F.
Musson, George H.
Seiberling, Theodore O.
Williams, Arthur J. Jr.

1934

Bermi, Samuel A.
Brasaemle, Ray I.
Coghill, William W.
Cole, Ralph C.
Cunningham, Robert L.
Cutler, David
Dobson, Richard J.
Duncan, Oscar M.
Fletcher, William B.
Ford, Homer T. Jr.
Gross, Henry E.
Hedges, William E.
Hein, Edwin A.
Hunze, Charles L.W.
Jackson, Leroy H.
Joslin, Le Compte
Kruse, Cornelius W.
Maise, Clemens R.
Mc Kinley, John H.
Mc Reynolds, Elmer L.
Poese, Lester E.
Reese, Thomas H. Jr.
Sackewitz, Robert A.
Springer, William R.
Stewart, Thomas J. Jr.
Sullentrup, Leo J.
Tuttle, Lauren P.
Weigel, Robert C.
Westerfeld, Wilfred W.

1935

Asher, Kenneth K.
Bates, William E.
Buck, Robert H.
Campbell, William J.
Cooke, William F. Jr.
Danforth, Warren B.
Dutton, Donnell W.
Edgar, Max E.
English, Thomas O.
Gammeter, Erwin
Haffner, Harold J.
Hoeman, Arthur J.
Hoeman, Erwin C.
Johnson, Robert W.
Kamper, Oliver W.
Kennedy, Daniel
Knoll, Rudolph J.
Koopmann, August P.
Mashek, John W.
Mc Dill, William H.
Mc Donald, Collins H.
Montgomery, R. Gill
Murphy, James J.
Nolde, George T. Jr.
Richardson, James K.
Solomon, Russell C.



1936

Barrow, Carlton W.
 Beard, Reade H.
 Chapman, Robert T.
 Clanton, Jack R.
 Daily, Eugene J.
 Dennis, William E.
 Fiss, Edward C.
 Hoener, Alan J.
 Houseknecht, Paul D.
 Menefee, James H.
 Michel, Hilbert F.
 Millice, Carl T. Jr.
 Nations, George O.
 Pfeifer, Herman J.
 Prange, Robert L.
 Razor, John P.
 Roy, Edward A.
 Ruwve, John W.
 Schwalbert, William H.
 Seiberling, Theodore O.
 Simmons, Robert W.
 Thompson, Hoyt G.
 Walker, William E. Jr.

1937

Appleyard, Frank C.
 Benner, Charles P.
 Bommer, Theodore J.
 Bossert, Harry F.
 Breuer, Walter P.
 Busch, William C.
 Cardetti, Richard J.
 Carrola, Ross R.
 Cunningham, Robert L.
 Grimm, Donald F. R.
 Holz, Walter L.
 Jones, Walter T.
 Lange, Robert C.
 Luder, Walter E.
 Mattei, Peter F.
 Millard, Frank S.
 Post, Samuel S.
 Rodman, Wilfred K.
 Schaumburg, Grant W.
 Tuttle, Lauren P.
 Vogt, Fred K. W.
 Williams, Rex Z.

1938

Ballman, Edward A.
 Bliss, Allen D.
 Bowman, Don C. Jr.
 Cameron, Charles V.
 Cardetti, Richard J.
 Clayton, Charles L.
 Cornett, Roy C.
 Ellis, J. Craig
 Fernandez, Horacio A.
 Gallemore, Willard A.
 Goodrich, Frank N.
 Hill, Eugene F.
 Howerton, Joseph W.
 Jarboe, Rupert A.
 Kay, William W.
 Lanier, Eugene B.
 LeGrand, Jesse S.
 Long, John R.
 Lonsberg, Leonard C.
 Maise, Clemens R.
 Mc Curdy, Belding H.
 Morrison, Frederick
 Murphy, Joseph H.
 Nickel, Melvin E.
 Pittenger, Frank H.
 Prough, Richard G.
 Rogers, Raymond H.
 Short, John A.
 Spotte, Irvin C.
 Thompson, Hoyt G.
 Wright, Wilford S.

1939

Barger, Hubert S.
 Boorky, Morris
 Boulson, Charles E.
 Brown, Roy G.
 Carter, Robert A.
 Claridge, Elmond L.

1939 Continued

Compton, Basil C.
 Crecelius, Herbert F.
 Dieffenbach, Robert P.
 Dods, Stuart
 Dresbach, Charles H.
 Elliott, Edward E.
 Elliott, Lewis C.
 Ellis, William R.
 Finley, Thomas J. Jr.
 Graber, Lewis J.
 Heiser, Frederick W.
 Hoffman, Ray E. Jr.
 Jacobs, James H.
 Johnson, E. Herbert
 Kidd, Harold S.
 Kirkpatrick, Harry F.
 Kruse, Cornelius W.
 Lintner, Carl W.
 Livingston, Robert G.
 Loveridge, Joel F.
 Mc Cav, Jack
 Mooney, Joseph W.
 Moore, Jack W.
 Mueller, George E.
 Mussell, Walter E.
 Pohlmann, Edgar F.
 Post, John R.
 Rea, William R.
 Rhodes, A. E.
 Roarig, Wilbert A.
 Rollman, William H.
 Runyan, James R.
 Sharp, William T.
 Siegrist, Kermit A.
 Smith, Leroy E.
 Soult, John P.
 Spalding, J. Victor
 Taylor, Fred N.
 Tetley, Albert L.
 Vandergriff, Willard C.
 Waters, Wade D.
 Webb, William H.
 Williams, Arthur J. Jr.
 Yeater, Max L.

1940

Alexander, William C.
 Alford, Rex
 Baumstark, Walter A.
 Brown, Guy Jr.
 Burns, Ruble E.
 Cotterill, Carl H.
 Dennie, Powell A.
 Dennis, Benjamin A. Jr.
 Donahue, James B.
 Dowling, Paul T.
 Enderson, William A.
 Ferrell, James O.
 Followill, Richard J.
 Fort, George E.
 Griffith, Thomas J.
 Gund, Russell A.
 Hall, Charles E.
 Hill, Eugene F.
 Jacobs, James H.
 Kelley, Ralph E. Jr.
 Kidwell, Albert L.
 Kiesler, A. James
 Klug, John R.
 Ladd, Harley W.
 Leber, Walter P.
 Leslie, Julius C.
 Machmer, Ferdinand G.
 Markley, John S.
 Miller, Edgar S. Jr.
 Olcott, Eugene L.
 O'Neill, John J. Jr.
 Parish, Gerald A.
 Payne, Leslie M.
 Perry, E. L. Roy
 Planje, Theodore J. M.
 Rakaskas, Joseph E.
 Reed, John F.
 Ridley, Robert P.
 Riege, Lynn J.
 Rieke, Vernon W.
 Romine, Edward C.

1940 Continued

Rose, Colin G.
 Ross, Paul F.
 Sharp, Everett W.
 Simonds, Peter
 Smothers, William J.
 Sturges, Herbert D.
 Summers, Huey
 Tucker, Armin J.
 Weber, Arthur Jr.
 Wilson, P. Hugh
 Wilson, James C.
 Young, William P.

1941

Adams, Washington
 Bennetsen, Wayne J.
 Blair, Norman D.
 Bottcher, Hermann F.
 Bourne, William H.
 Boyd, Robert K.
 Boyt, Eugene P.
 Claridge, Elmond L.
 Clarkson, Charles P.
 Cochran, Andrew A.
 Couch, G. Robert
 Crecelius, Donald G.
 Crockett, William E.
 Enochs, John R.
 Farrell, Edward C.
 Fick, Armin F.
 Finley, Fred W.
 Gardner, John W. II
 Hacker, Alden G.
 Hardine, Kenneth L. Jr.



1943

Hoener, Fred H.
 Jaffe, David Nathan
 Jensen, James W.
 Kind, Carl G.
 Lambeth, Jennings R.
 Livingston, Kermit F.
 Loveridge, Warren L.
 Lynch, Daniel S.
 Mack, James O. Jr.
 Mc Kee, Jack B.
 Mentz, Frank H. Jr.
 Morris, William I.
 Nevins, Marvin E. Jr.
 Newman, Clinton V.
 Pace, George M.
 Pautler, Anthony C.
 Puetz, William M.
 Rogers, Franklin B.
 Roux, James R.
 Schoenthaler, Robert
 Shankland, John H.
 Smith, Floyd P.
 Springer, James J.
 Stewart, Daniel R.
 Strawhun, Joseph O.
 Wampler, Harold R.
 Wattenbarger, Chris M.
 Wyatt, De Marquis D.

1942

Armacher, George W.
 Blankenship, Gilbert H.
 Brackbill, Robert M.
 Bradshaw, George V. Jr.
 Brouk, Ralph H.
 Busch, William D.
 Castleman, John H.
 Clark, Hugh M.
 Crookston, James
 Dunham, Robert H.
 Farmer, John O.
 Flint, Melvin C.
 Fuller, Julian A.
 Haas, Harold W.
 Hagar, Bailey W.
 Hill, William E. Jr.
 Hillery, Charles M.
 Hughes, Thomas A.
 Jones, Thomas A.
 Karbosky, Joseph T.
 King, Welby M.
 Kisslinger, Fred
 Kloeris, Paul W. Jr.
 Krueger, Harold A.
 Kurtz, Sam A.
 Lyons, John H.

1942 Continued

Martin, Kent W.
 Maune, Harold E.
 Mc Connell, William F.
 Mc Donall, James F.
 Mc Ghee, Vernon T.
 Muskopf, Oscar M.
 Myers, Edward C.
 Neubert, Ralph L.
 Nevin, James R. Jr.
 Nevin, John W.
 Nicola, Nick S.
 Olde, Fred W.
 Olsen, John K.
 Pagel, Herbert E.
 Pewitt, Bion D.
 Pohl, Robert A.
 Rassiner, Edgar A.
 Sandhaus, Elmer H.
 Schowalter, Kenneth A.
 Schuman, Austin E.
 Schwab, Carl F. Jr.
 Shaffer, James W.
 Shockley, Gilbert R.
 Sindel, Albert T. Jr.
 Smothers, William J.
 Stewart, Alexander L.
 Taylor, Otis H.
 Trotter, Charles R.
 Wade, Dell C.
 Weidle, Ben E.
 Witt, Jack A.
 Wolff, Leonard C.
 Zanzie, Charles E.
 Zoller, Jacques W.

1943 Continued

Underhill, Norman R.
 Weis, Carl J.
 Werner, Roy C.
 Wilms, John O.
 Wilson, William Jr.
 Wissler, Louis B.
 Wright, Clarence J.
 Zoller, Victor H.

1944

Adamick, Henry S.
 Allen, Eugene K.
 Arras, Jean M. L.
 Banks, Robert L.
 Barnhart, Herbert D.
 Brodhacker, John W.
 Carmichael, Ronald L.
 Clark, Willis H.
 Des Jardins, Peter E.
 Dick, C. Alfred
 Dietz, Robert O.
 Dowd, James D.
 Frommer, Donald W.
 Goetemann, Edwin C.
 Gostin, James D.
 Greco, Dominic A.
 Griffiths, John W.
 Hansen, J. Richard
 Heidenreich, Roger H.
 Hoeman, Erwin C.
 Hubbard, William A.
 Isenmann, Edward S.
 Klorer, Robert W.
 Kozeni, Don K.
 Miller, James R.
 Morrow, Thomas H.
 Mushovic, Peter
 Pingel, Vernon J.
 Ploesser, Alan P.
 Rudisaile, Harold J.
 Sanders, Lincoln A.
 Schmoltd, Hans E.
 Schoeneberg, Kenneth W.
 Short, John A.
 Sievert, O. Morris
 Smith, P. Gene
 Smothers, William J.
 Staley, Glenn L.
 Summers, Robert F.
 Tucker, Farrell G.
 Weinel, Ernst A.
 Westwater, Robert S.

1945

Blase, Elwin W.
 Boyd, Roy H.
 Kasten, Vernon L.
 Kawaguchi, Makoto J.
 Kolde, Ralph E.
 Mc Kelvey, James M.
 Milton, Osborne
 Ozawa, Jack K.
 Schmidt, Robert F.

1946

Bahn, E. Lawrence
 Burke, George E.
 Clayton, Austin B.
 Connett, Robert P.
 Doisy, Richard J.
 Fessler, Carney C.
 Fuller, Julian A.
 Jones, Raymond B.
 Mann, Robert L.
 Meyer, Donald I.
 Olsen, Oscar M.
 Razor, John P.
 Rutledge, William A.

1947

Adrian, Kenneth G.
 Bailie, Cecil C.
 Brixius, John L.
 Bruns, Robert F.
 Carafiol, Gilbert J.
 Carlton, Paul F.
 Carmichael, Ronald L.
 Christiansen, Carl R.
 Cole, Richard E.
 Crookston, James
 Dameron, Harry C.
 Dunham, Roy H.
 Ellerman, William E.
 Faser, Jack P.
 Fogarty, Edwin R.
 Fritz, Glenn H.
 Goodwin, Reo E.
 Hammann, Eugene E.
 Hellwege, William H.
 Henke, Elvin A.
 Henry, George E.
 Johnson, Philip D.
 Johnson, Virgil A.
 Kerper, Matthew
 Kerr, Frank F.
 Lambelet, Clarence A.
 LaPiere, Gilbert H.

1947 Continued

Larson, Leonard N.
Leone, Anton
Little, J. Edward
Livingston, Robert G.
Mansfield, Herman
Mc Kinnis, Charles L. Jr.
Miller, Eberhard H.
Mitchell, Richard K.
Monte, Michael N.
Perryman, George I. Jr.
Pierce, Thomas R.
Pomeroy, Chester M.
Powell, John D.
Schork, John E.
Sheppard, Keith D.
Smith, James A.
Snowden, J. Russell
Steiner, Richard G.
Stephens, James W.
Strunk, Mailand R.
Tappmeyer, Ronald A.
Teel, Joel H.
Wagner, George H.
Wegener, Wilbert F.
White, Robert L.
Wylie, James E.

1948

Anderson, Walter F.
Armstrong, Robert J.
Aubuchon, Pierre M.
Baerveldt, Robert F.
Balmat, Jack S.
Banks, Ralph
Berutt, Caesar
Billy, Joseph H.
Boeller, Emery L.
Bradford, Victor L.
Browning, Phil A.
Chaney, James B.
Copeland, A. Eugene
Crosby, R. Allen
Delany, Michael J.
Doelling, Robert F.
Ellis, Maurice H.
Ellis, William A.
Ellison, Floyd A.
Fields, Lester E.
Fine, Morris

1948 Continued

Sphar, Curtis W.
Stoecker, Wilbert F.
Tapperson, Arthur Jr.
Terrasson, Paul L.
Van Eaton, Charles W. III
Walker, Richard H.
Watkins, Paul A.
Weinel, Ernst A.
Whanger, James R.
Wolfarth, Ted R.

1949

Anderson, Douglas
Anderson, George M.
Aubuchon, Edward L.
Baily, Walter E.
Bay, Robert D.
Bell, James E.
Berry, Jerome T.
Blankenmeister, Erwin G.
Bottermuller, Charles A.
Boyer, Alexander A.
Breeze, Francis V.
Breuer, Coy L.
Carney, W. Dale
Carpenter, Gordon L.
Carter, William D.
Chaney, James B.
Chang, John W.
Cizek, Frank J.
Clifton, James G.
Coolidge, William H.
Coplen, Roy I. Jr.
Corbin, Harold E.
Crites, Joseph D.
Dalpini, David
Daniells, Charles P.
Danzon, Carl J.
Davidson, Charles C.
Dean, Donald L.
DeBolt, Donald G.
Downs, Jack S.
Eason, Donald E.
Eichelberger, Charles E.
Fentzke, A. Daniel
Poster, Jack D.
Puqua, John H.

1949 Continued

Schaefer, Paul F.
Scheid, Marilyn J.
Schmitt, James C.
Schuler, Leonard L. Jr.
Seelig, Albert F. Jr.
Sevick, Joseph G.
Shute, John W.
Siegel, William A.
Skitek, Gabriel G.
Slaght, Frederick W.
Springer, Frederick M.
Stadelhofer, Jack
Stein, John E.
Strubert, Joe N.
Sutton, Glen W.
Tanner, Paul E.
Telthorst, Edgar J.
Telthorst, Harold M.
Timmer, Donald H.
Tindall, Robert F. Jr.
Toomey, John B.
Trotter, Jack K.
Tucker, Arthur L.
Van Maerssen, Otto L.
Viles, Landon C.
Werner, Edwin J.
Whanger, James R.
Yochum, Robert J.

1950

Agnew, Lewis E. Jr.
Agron, Albert M.
Atchison, Daniel R.
Auld, Thomas
Babbitt, Jack R.
Bach, Wilbert E. Jr.
Baldo, Alexander H.
Barsachs, Edwin H.
Belew, Leland F.
Bodine, Jack
Boecker, Fred Jr.
Bradley, Kenneth R.
Breit, Karl K.
Breuer, D. Wallace
Brinkmann, Charles E.
Brown, Robert N.
Browngard, Billy R.
Buel, Robert W.
Burke, Robert F.
Byrd, Herman C.
Cantwell, Laurence W.
Carroll, Paul F.
Castelli, August V.
Chambers, Frank T.
Chen, Willie Y.
Clark, William W.
Collins, William W.
Craig, Curtis L.
Dampf, Donald P.
Davidson, Edwin A.
Delaney, John F.
Deutman, George M.
Doelling, Robert F.
Dolecki, Stanley
Drake, Avery A. Jr.
Eidson, Dennis L.
Eissinger, Karlheinz
Elliott, James O.
Erb, Robert D.
Evans, James L. Jr.
Eyberg, Walbridge P.
Fahien, Raymond W.
Farrey, Henry B.
Ferrero, Dominic
Finch, Frank
Fossi, Robert L.
Freiert, Milton A.
Gabelmann, William L.
George, O. Kenneth
Gevecker, Vernon A. C.
Graves, C. Tad Jr.
Green, Paul W. Jr.
Greenberg, Aaron J.
Gregory, Scott H.
Griffin, Donald C.
Gurnea, Robert F.
Guth, Jack E.
Haas, Paul A.
Halleman, Joseph E.
Hammond, Gerald L.
Hampson, Walter L. Jr.
Harris, William M.
Hauser, Max
Haymes, William G.
Heisler, William B.
Heller, Enrique S.
Helwig, Arthur W.
Hernan, John P.
Herrmann, Thomas A.
Hillhouse, David L.
Hollis, William
Holme, R. Norman
Honerkamp, Donald L.
Howell, Bennett D.
Hughes, William P.
Humphrey, Waldo D.
Hunt, J. Richard
Hutchison, Alden C.
Isbell, Clarence A. Jr.
Iversen, Reid E.
Jamieson, George W.
Jerman, Theodore I.

1950 Continued

Johnson, Edward L.
Johnson, Ray B.
Jorcke, Oliver A.
Judah, Russell J.
Kapernaros, E. Louis
Kauffman, E.E. (Gene)
Kelly, Peter B. L.
Kinder, David C.
Knowles, Carl M.
Kovach, John J.
Krainess, Albert M.
Kunz, Charles O.
Kyburz, Edward P.
Laird, Harry W.
Larkin, Kenneth P.
Lee, Kenneth Q.
Livingston, Robert G.
Lockett, Donald N.
Longolius, Walter C.
Lukrofka, Lovell J.
Mabie, George W.
Mann, Carl K.
Marshall, Donald W.
Marting, Richard E.
Mason, Ernie V.
Mattlage, Raymond F.
Mc Dermott, Arthur R.
Mc Nichols, John E.
Mc Vey, Joseph S. Jr.
Meier, Harvey W.
Mendell, Robert H.
Mengel, William K.
Middleton, Douglas F.
Miller, Chester E.
Miller, James E.
Mooney, Edward W.
Muehring, John E.
Murphy, William L.
Neidel, Roger A.
Neustaedter, Robert H.
Niederstadt, Roland J.
Nolan, Paul B.
North, Oliver S.
Novotnak, Frank
Packheiser, Franklin Q.
Painter, John L.
Parker, R. C.
Patten, Robert I.
Paulsell, William G.
Peetz, Eugene
Pennington, Robert J.
Phillips, Harvey I. Jr.
Poliquin, Thomas E.
Potter, Charles J.
Preiss, Robert K.
Rees, George A.
Remington, Charles R. Jr.
Renner, Lynn
Reynolds, Earl G.
Roach, Kenneth C.
Roberts, J. Kent
Roenfeldt, Harold R.
Romano, Frank J.
Rowley, Kermit G.
Ruenheck, Raymond T.

1950 Continued

Trianda, John
Tunnick, Clarence J.
Unsell, Vester B.
Van Nort, John R.
Vogler, August J. Jr.
Wagner, Bernard C.
Walker, Walter W.
Wegener, Wilbert F.
Weingaertner, John W.
Western, Frederick C.
Wilson, Glenn E.
Wojan, Carl E.
Wolfram, Ralph E.
Wood, Robert C.
Wright, Harold R.
Wunnenberg, Donald A.
Yochum, Kenneth H.
Zimmerman, Donald G.
Zvanut, Albert J.

1951

Anderhub, Anthony P.
Arnold, John M.
Baldwin, William M.
Ballester, Antonio P. Jr.
Barsachs, Edwin H.
Bellis, Gerald B.
Bender, Gerald H.
Blanche, C. Dudley Jr.
Boscia, Frank J.
Bowkley, Herbert L.
Boyd, Charles L.
Brillos, John W.
Browne, Thomas C.
Brunkhorst, Earl R.
Buettner, Melvin A.
Bullock, Richard L.
Burns, Otis A.
Carthew, Douglas J.
Collins, William W.
Comanich, George W.
Commerford, George E.
Cooper, James D.
Crowell, Gilbert L.
Dasenbrock, Arthur A.
Dean, Donald L.
Dickens, Richard L.
Donaldson, George R.
Dowling, Donald J. Jr.
Dryden, Joseph L.
Dulberg, Irving
Dunn, Ervin E.
Eissinger, Karlheinz
Elbaum, Jerome K.
Elliott, Edwin G.
Fahs, Donald G.
Ferry, C. Ron
Fornari, Joseph M.
Fritschen, Herman A. Jr.
Ganley, Robert J.
Gardner, John E. Jr.
Gillen, David U.
Givens, William A.
Glenn, David E.



Fisher, James R.
Fuller, Leroy W.
Gager, Lem N.
Gauerke, Reinhart C.
Grady, William J. Jr.
Griessen, John III
Hackmann, Robert E.
Hagan, Melvin A.
Haley, Comer C.
Hammann, John W.
Harter, Warren F.
Held, Robert E.
Hellwege, William H.
Hepp, Joseph T.
Hequembourg, Frank M.
Hoelscher, James W.
Hoey, Paul E.
Howell, Richard B.
Keeley, Gilbert S.
Kreutzer, Robert C.
Lawson, Vernon R.
Leaver, Harvey B.
Malone, Albert V.
Marchal, Jacques H.
Mathews, Donald J.
Mc Cormack, George E.
Mc Kelvey, Ralph E.
Mc Kinnis, Charles L. Jr.
Miller, Eberhard H.
Miller, William J.
Moe, Harold G.
Mueller, Edward E.
Niewoehner, Robert J.
Noren, Charles H.
O'Neill, Lawrence F.
Ramsey, George H.
Ray, Billy B.
Remmers, Walter E.
Robbins, Irvin D.
Rother, W. Jack
Schaeffer, Willard A. III
Schmidt, Donald G.
Schoeneberg, Kenneth W.
Scholz, Arthur E.
Smith, David G.
Smith, Harlan D.
Smith, Hubert R.

Gannon, William H.
Gehrs, William L. Jr.
Goller, Carl H. Jr.
Gronbeck, Marius P.
Hagar, Bailey W.
Hansen, Robert C.
Hill, E. Cecil
Hollmann, Harold R.
Hoopes, John E.
Hubbard, William F. Jr.
Jones, Oliver W.
Jones, Sam P.
Kelahan, Robert C.
Kemper, Robert J.
Kennedy, Daniel
Kimmick, Edward J.
Knecht, Walter S.
Knutson, Elmo G.
Komoto, Frank K.
Magruder, William H.
Martin, Robert L.
Mattes, Henry O.
Mc Callister, Odis L. Jr.
Mc Donald, John E.
Mc Grath, James B.
Mengel, Edmund L.
Mulligan, John J.
Norman, Amos
Ochs, Calvin M.
Otto, Richard M.
Padfield, Ralph C.
Perko, Robert A.
Perry, Robert C.
Puffett, Bettijeanne M.
Quinn, Joseph S.
Ratcliff, John J.
Raymer, Gordon E.
Reilly, John G. Jr.
Reinkensmeyer, Norman W.
Reiss, Joseph J.
Remington, Charles R. Jr.
Rice, D. Paul
Root, Robert L.
Ross, Charles J.
Ross, Harvey D.
Rowley, Kermit G.
Sarzin, Julius L.



Sakonyi, John J.
Schmidt, Robert N.
Scott, James J.
Seren, Leroy P.
Settgas, Robert C.
Sertson, Vernon S.
Shaffer, Robert B.
Shourd, Roy R.
Silver, Sidney
Sims, Dale E.
Skinner, Milton R. Jr.
Slack, Clayton F.
Slusher, Robert C.
Smith, George R.
Smith, Marvin E.
Smith, Robert E.
Spackler, Donald E.
Spanier, Lawrence A.
Springer, Everett W.
Starke, Robert E.
Stevens, Billy
Strain, Robert A.
Strauss, Ervin J.
Szumachowski, Edwin R.
Theerman, Harold B.
Thompson, Homer P.
Tibbs, Harold E.
Timlin, James B.
Timmer, Donald H.
Tindall, Robert F. Jr.

Harper, William S.
Harris, Henry C.
Heagler, John B. Jr.
Hestetune, Daniel G.
Hirner, John A.
Hohlfelder, Eugene F.
Holcomb, Lester W.
Horst, William E.
Horton, Donald W.
Hubbard, Jack L.
Huff, Wayne F.
Jackson, Earl E.
Jeffers, Phillip E.
Kaplan, Newton H.
Keller, Gerald N.
Kennedy, Harry E.
Kent, Herbert E.
Ketter, Richard P.
Kinane, Cyril M.
Kleinkopf, M. Dean
Kline, Charles R.
Knight, George L.
Larson, Eugene P.
Lattin, Judson M.
Lehmann, Charles F.
Mansfield, Richard E.
Mc Kee, William D. Jr.
Mellott, Robert N.
Meyer, Jean L.
Middour, Eldridge S.

1951 Continued

Milligan, Edward J.
Montgomery, Donald D.
Napp, Gordon E.
Oldenburg, Ted J.
O'Neill, John J. Jr.
Parrish, David D.
Pender, Paul S.
Perryman, Joseph E. Jr.
Phelps, Richard C.
Rieder, Robert J.
Rober, Donald L.
Roller, Joe C.
Roloff, Don V.
Schmidt, Vernon E.
Schuchardt, Robert E.
Schweizer, Charles T.
Senne, Joseph H.
Sieck, Ervin H.
Silver, Milton M.
Simpson, Thomas A.
Skiles, James J.
Slankard, Robert C.
Smith, Robert J.
Sobie, Milton A.
Statler, Clifford A.
Tarantola, Bruce E.
Tatosian, Vanagan
Teagarden, Dwight M.
Theerman, Wilbert K.
Toomey, John B.
Tsai, William

Van Bramer, William G.
Vansant, Robert E.
Venarde, Jack H.
Watson, Harry W.G.
Weinel, Robert
Wile, Larson E.
Wolf, Robert V.
Woodle, Roy G. Jr.
Zane, Robert I.
Zeid, Marvin C.
Zinke, Robert

1952

Alvarado, Frank
Basler, Francis S.
Bauer, Richard H.
Bilheimer, E. Lee
Boyle, James R.
Calcaterra, Edward L.
Chorney, Peter L.
Christiansen, Carl R.
Coonce, Homer E.
Cooper, Richard C.
Cox, Willard E.
Cramer, Kenneth L.
Davis, Gedale D.
DeLuca, Michael Jr.
Drake, Avery A. Jr.
Ferguson, Wallace
Finklang, John W.
Freiberger, Harold C.
Hallows, Raymond L. Jr.
Harris, William M.
Hausmann, Paul L.
Hausner, Paul H.
Henry, Richard L.
Hillhouse, David L.
Hockenbury, Melvin C.
Holdman, Leslie F.
Holmes, Wallace H.
Honigfort, Henry F.
Horst, William E.
Hydinger, Paul L.
Jackson, Wayne D.
Justus, Richard F. Jr.
Keil, Byron L.
Kerr, H. Chalmers Jr.
Knoebel, Richard H.
Kronst, Edwin F.
Kummer, Frederick S.

1952 Continued

Pape, Earl E.
Priest, John E.
Reeves, Ernest J.
Richards, Turner W.
Rumsey, Donald A.
Ruttinger, Anthony J.
Schafer, Robert P.
Scrivner, J. Roger
Stickle, Dirck B.
Stopkey, Waldemar D.
Strite, Russell R.
Sweeney, James R.
Tarr, Clarence M.
Thompson, Homer F.
Timbrook, Paul W.
Unger, Walter H.
Uthoff, Robert F.
Van Buskirk, Lyman F.
Vance, James F. Jr.
Vanderheyden, Eugene T.
Varanouskas, Joseph P.
Wakerfield, Roger E.
Walz, Robert L.
Weeks, Charles A.
Westerman, Howard W.
Wheelock, Leroy K.
Williams, Dean N.
Wolf, Robert V.
Wolfberg, Leonard H.
Yager, O. Timken
Zedalis, John P.

1953

Achterberg, Ernest R.
Augustson, Luther B.
Barton, C. Dean
Bender, John H.
Berry, Charles A.
Boyd, Marvin W.
Carl, Ralph W.
Crane, Harold R.
Creamer, Edward L.
Dill, Earl R.
Edwards, Gene W.
Englund, John O.
Gegel, Donald L.
Gjelsteen, Thor
Hansen, Peter G.
Haynes, Myron B.
Heeger, Charles H.
Heimbaugh, Kenneth G.
Heineck, Dale W.
Holland, Richard O.
Jenkins, Robert D.
Jost, Robert D.
Katz, Manfred
Kent, Nevada A. III
Knearem, James L.
Koederitz, Thomas L.
Kronmueller, William W.
Kuster, Ralph L.
LaBouff, Gerald J.
Lang, Eugene A.
Lee, Walter
Leponis, Andrew E.
Lipensky, Milan
Mc Beth, Joseph D.
Montgomery, R. Gill
Park, William R.
Patterson, William E.
Poschel, Eugene J.
Prickett, Lloyd C.
Quatraro, William
Robbins, Clay
Roberts, James F.
Ruppert, Theodore A.
Schafer, Robert P.
Scharf, Fred
Seipel, John R. Jr.
Smith, Bert L.
Strohbeck, Eugene E.

1954 Continued

Conci, Frank B.
Custead, Jerry R.
Dowell, Jack B.
Fuller, Thomas R.
Gerard, James A.
Gotsch, Richard W.
Gray, Joe E.
Groteke, Daniel E.
Haertling, Gene H.
Heagler, John B. Jr.
Horine, Robert A.
Hubeli, James A.
Hughes, Judson A. Jr.
Kemp, Arthur H. III
Kollb, Richard C.
Lo, Wing-Cheuk
Patterson, J. Robert
Pillisch, Herbert P.
Runvik, Richard C.
Schermer, Alfred E.
Schneider, Donald O.
Sipe, William E.
Stewart, William H.
Tiernon, Carlos H.
Toutz, James O.
Volker, Vernon D.
Wagner, Frederick R.
Wang, James Y.
Watkins, Joseph S.
Wilkes, James R.
Williamson, Rayburn L.



1956 Continued

Justus, Richard F. Jr.
Kebel, Harlan L.
Lieberman, Warren
Mc Clure, R. Max
Milton, Osborne
Murphy, Larry L.
Remmers, E. Paul
Reser, Donald E.
Rudolph, Allen H.
Sauer, Harry J. Jr.
Schmidt, Harold A.
Schmittou, Clay J.
Schramm, William W.
Statler, Kennyn D.
Suhre, Maurice E. Jr.
Tauser, Raymond H.
Thompson, LeRoy E.
Unnerstall, James A.
Walker, Norman L.
Weiss, Nicholas M.
Williams, Don E.
Yancik, Joseph J.
Yiannos, Peter N.

1957

Alexander, William
Anderson, John R.
Antrim, Carl M.
Astroth, Louis E.
Baldwin, William M.
Ballard, Donald S.
Bardelmeier, August R.
Bates, David W.
Berg, David W.
Bowers, Donald R.
Brown, Phillip O.
Clodfelter, Gene C.
Conlee, Jack L.
Cooksey, Joel N. Jr.
Coonce, James M. Jr.
Cowan, Robert W. Jr.
Davis, Gary W.
Ellis, Walter H. Jr.
Ferguson, Donald J. II
Fiedler, Edgar F.
Guyot, Roger L.
Hansen, Peter G.
Haubold, Niels B.
Henninger, Francis H. Jr.
Howard, John J. (Jack)
Humphrey, Richard L.
Hussey, Raymond L.
Jackson, Robert A.
Johnson, James W.
Johnston, Waymon L.
Kalin, Thomas E.
Kick, David D.
Kreder, Kermit R.
Mason, Robert E.
Matz, Alexander H. Jr.
Metz, Gilbert F. Jr.
Mitchell, James L.
Nelson, William D.
Pyle, Elmer G.
Reuss, Lloyd E.
Roth, Donald J.
Roush, Philip S.
Schneider, Robert W.
Segelhorst, Alfred E.
Slates, Elmer F.
Soper, William S.
Stephens, James W.
Stoll, Joe A.
Tanguary, Clifford C.
Toliver, Jack E.
Venable, Wilford G.
Warren, Robert N.
Watwood, James E. Jr.
Webb, Jerry J.
Wentz, Charles A. Jr.
Williams, Russell E.
Zimmermann, Richard A.

1958 Continued

Cox, L. Fred
Cullen, Michael J.J.
Cummings, Bradford C.
Day, Delbert E.
Dull, Melvin J.
Garrett, James H. Jr.
Gastaldi, Robert A.
Graden, William F. Jr.
Hardebeck, Harry E.
Harris, Bobby V.
Haubold, Niels B.
Haydon, Jack B.
Head, Eldon W.
Heagler, John B. Jr.
Heltibrand, Dewayn W.
Hoffman, Charles R.
Hofstetter, James F.
Johnson, James W.
Konrad, Richard J.
Lewis, B. Neil
Lin, Ching-San
Littlefield, Jerold K.
Mason, Dennis E.
Mc Govern, Donald R.
Miller, R. Lary
Minton, Robert C.
Modesitt, Donald E.
Morgenstern, Richard A.
Mosby, Freddy L.
Mudd, John T.
Munger, Paul R.
Niedermeyer, O. David Jr.
Northup, Wallace E.
O'Keefe, Thomas J.
Okenfuss, Richard H.
Pape, Earl E.
Rasche, John F.
Rathgeb, Lawrence J.
Richey, John O.
Sauer, Harry J. Jr.
Schiermeier, John J.
Schmidt, E. Robert Jr.
Schrenk, Walter T.
Sfreddo, Humbert E.
Smith, R. Thomas
Suddath, James N.
Taylor, Paul W.
Tomazi, George D.
Unnerstall, Lester A.
Vetter, Ronald F.
Vie, Jerry D.
Vitek, Richard K.
Weems, John C.
Wegener, Ronald E.
Weiss, Nicholas M.
Welch, Charles R.
Winter, Lester H.
Withrow, Kerry R.
Young, Ralph O.

1959

Adams, John C.
Auberry, William D.
Baum, Frank L. Jr.
Bolon, Lucien M. Jr.
Boxdorfer, Robert L.
Bramon, Gerald A. Jr.
Brunjes, William S.
Cain, Clarence Jr.
Carroll, Warren J.
Cawns, Albert E.
Cochran, Russell V. Jr.
Cotterill, Carl H.
Courson, Lee R.
Cragnell, Don W.
Dutton, Donnell W.
Feaster, Donald R.
Goldin, Herbert A.
Green, Sidney J.
Heller, Enrique S.
Henderson, Donald E.
Hess, Robert M.
Hofer, J. Gerald
Hoffman, Anthony E.
Hornsey, Edward F.
Hudgens, Lowell L.
Humphrey, Richard L.
Itchner, Emerson C.
Janes, Frank E.
Johnson, Gordon E.
Johnson, Philip R.

The Alumni Educational Assistant Program is financed by the Annual Alumni Fund and provides employment for undergraduate students as research assistants or in other worthy projects in academic or support departments.

1955

Baebler, Arthur G.
Baker, Chester H.
Barco, Samuel U.
Barnds, Campbell C. III
Bening, Robert G.
Berg, Richard O.
Boze, Ralph E.
Bullock, Richard L.
Corcoran, Thomas A. Jr.
Cruse, Richard L.
Davis, Ralph T. Jr.
Delaney, John F.
Fink, Arthur C. Jr.
Franklin, James M.
Friederich, Garland C.
Gessley, Donald
Gilliam, Dale D.
Godsey, Terry L.
Gollhofer, Frank R.
Hallett, William M.
Haubold, Reiner G.
Heavlin, Harold D.
Jones, Richard L.
Kaiser, Richard L.
Kickham, Lawrence T. Jr.
Kingsbury, Ronald M.
Krieg, Marlin P.
Kummer, Frederick S.
Lane, Thomas F. Jr.
Luehring, Elmer L.
Maddox, Arnold W.
McCarthy, John M.
Oetting, Robert B.
Padan, John W.
Pfaff, Raymond E. Jr.
Ray, Herman A.
Schlensker, John A.
Schuman, Charles W.
Scott, Julius N.
Smart, Samuel
Stimson, William R.
Tucker, Paul B.
Van Buskirk, John R.
Vaughn, Charlie F.
Webster, Royal S. Jr.
Weitzel, Charles A.
Wolff, Leonard C.
Zimmerman, M. Jordan

1956

Altheide, Charles R.
Baumgartner, George R.
Bentilla, Kenneth R.
Boyd, Virgil C. Jr.
Brawley, John M.
Doe, Bruce R.
Ellis, Elmer
Hart, Norman E.
Haubain, Wendell L.
Hughes, Richard A.
Jenkins, Lloyd H.
Jurenka, Gilbert G.

1958

Allmon, Gerald W.
Andreas, Wayne T.
Ansapach, Earl E.
Beck, Robert R.
Buchanan, John O.
Buzard, Wallace C.
Capps, Robert O.
Correll, Howard D.

1954

Aceto, Wayne M.
Alburtis, Clarence L.
Ashley, Wilford (Moe)
Barylski, Martin W.
Burgett, Max A.
Campen, Frederick J. Jr.
Cole, Kenneth D.



Lucido, Peter J.
Maday, Donald S.
Martin, Dan W.
Matson, Don D.
Mc Intyre, John F.
Mc Kee, William D. Jr.
Menke, Gregory V.
Meskan, David A.
Michelotti, Joseph E.
Moy, Hong S.
Newkirk, Thomas F.
Nolan, John B.
Olyphant, Edgar
Owens, Robert J.

Topel, Maurice R.
Vionhage, Robert P.
Wagner, Frederick R.
Weinland, Harold A.

1959 Continued

Kennedy, Ralph C.
Kessler, Harry H.
Kieffer, Alonzo R. III
Krueger, Harold A.
Kruger, William A.
Kucharski, Edward A.
Lemberger, Robert A.
Lindsey, Kenneth R.
Lum, Harry K.
Lutz, H. John
Madigan, Dennis D.
Mattingly, Raymond C.
Mc Haffie, Gerald T.
Metcalf, Gerald L.
Milburn, James K.
Mitchell, John F.
Morgan, George H.
Neumcior, Leander A.
Oberlander, Richard K.
Pate, Henry A.
Pugh, James E.
Ratliff, John L.
Reichert, Joseph F.
Robinson, Marquis B.
Ross, Richard G.
Ruester, John T.
Scharf, Joel S.
Schmidt, E. Robert Jr.
Schneider, Charles S.
Schroeder, George E.
Schumacher, Carl R.
Schweickhardt, William K.
Scott, James J.
Simpson, Charles R.
Sluzalis, Lawrence L.
Smith, Gaylon G.
Smith, John H.
Soult, John P.
Spael, Leslie E.
Stevenson, Gerald L.
Swanson, Kenneth A.
Tackett, Charles E.
Thompson, Billy J.
Volker, Ronald E.
Wallace, Charles E.
Waxman, Stanley
Weinholt, James E.
Wentz, Charles A. Jr.
Wicker, Richard H.
Willig, Karl D.
Wilson, Donald P.
Wood, William S.
Zimmermann, Richard A.

1960

Adams, Hubert L.
Ahnert, Ernesto L.
Akmakjian, Charles
Alyea, Jerrold M.
Anderson, Frederick D.
Anderson, John C.
Bartlett, Sylvan
Baumgartner, George R.
Bausch, Russell L.
Belew, Robert R.
Bennetsen, Wayne J.
Benz, Paul W.
Bertorello, Michael J.
Blevins, Howard L.
Boston, Lawrence A.
Bramfitt, Bruce L.
Brown, Phillip O.
Burke, Thomas D.
Carlton, Paul F.
Carver, Ronald P.
Chen, David K.
Coffman, James D.
Corbin, Kenneth D.
Cox, Kenneth R.
Davidson, Danny E.
Del Prete, Anthony Jr.
Dickens, Walter H.
Donaldson, William E.
Douglas, Henry I.
Dreste, Fred E. Jr.
Dudenhoeffler, Vincent J.
Echelmeier, Roger L.
Fisher, Melvin J.
Flanigan, Virgil J.
Fulton, Frank W.
Gilbert, William J.
Gilmore, Jerry L.
Graves, George H.
Hawk, Ralph L.
Hershey, Harry C.
Hoffmann, Victor J.
Huffman, John M.
Hunter, Charles E.
Jacobs, James H.
James, Ronald C.
Jones, Robert G.
Jordan, Paul R.
Jordan, Thomas M.
Keshari, Hossein R.
Kieffer, Robert C.
Kiesler, A. James
Killian, Donald R.
Klebba, Kenneth T.
Kosten, Harold W.



1960 Continued

Lemberger, Robert A.
Loebs, Herbert A.
Lukowitz, Gregory J.
Manley, William H. Jr.
Maxton, Ralph C.
Mc Daniels, John L.
Mc Neely, David C.
Mertl, Eugene E.
Moellenbeck, Albert J. Jr.
Moit, Daniel D.
Moyers, Gerald E.
Munsell, B. Douglas
Neumeier, Leander A.
Okenfuss, Richard H.
O'Neal, William F.
Patterson, Gary K.
Penning, Thomas F.
Phelps, Weldon L.
Ponzer, Henry L.
Price, David E.
Ratliff, John L.
Ray, Eugene E.
Reilly, William J.
Reynolds, Maurice M.
Rizer, Gene C.
Scofield, Gene L.
Shockley, Gilbert R.
Siron, Robert E.
Smith, Bert L.
Smyth, Jimmie L.
Steinmann, Walter D.
Stone, Jerry L.
Swartz, Glenn I.
Tayloe, Leo F.
Testerman, Roy L.
Todd, Lamar S.
Vacca, Herman L.
Vansant, Carl A.
Vie, Jerry D.
Volker, Ronald E.
Walker, Paul M.
Walters, James T.
Wescoat, William H. III
Winderknecht, Burton D.
Wood, Kenneth W.
Yancik, Joseph J.

1961

Amsler, Larry C.
Annis, Donald J.
Avery, M. Ronald
Blake, Charles A.
Bollinger, Larry
Bolon, Albert E.
Bowers, S. Mitchell
Brenning, Eugene D.
Brinkman, Glen A.
Buchanan, John O.
Burlage, Donald W.
Chao, Hung-Chi
Curson, William N.
Dewing, H. Harvey Jr.
Evans, Donald L.
Farmer, Larry E.
Featherston, C. Ronald
Flood, Thaddeus F.
Fowler, Martha C.
Gallier, Kay D.
Gerhart, Bill L.
Glaser, A.E. (Gene)
Grannemann, H. Neal
Henning, William A.
Henry, Kenneth W.
Hillmeyer, Michael J.
Hollenbeck, Charles F.
Hornsey, Edward E.
Huff, Fred V.
Jacks, Frank E.
Jacob, Anthony J.
Johner, A. Wayne
Kinder, John B. Sr.
Kurtzhals, James D.
Latzer, John C.
Lawler, Willis D.
Leonard, Rene J.
Lewis, David M.
Llao, Juan L.
Logan, Robert M.
Lucas, Wayne L.
Marble, James B.
Marosek, Charles F.
Mathews, William E.
Maune, David F.

1961 Continued

May, William L.
McLaughlin, Eugene J. Jr.
Mc Nabb, Jesse E.
Mears, A. Dale
Merritt, John F.
Meskan, Allen W.
Mills, Terry L.
Mulkey, T. John Jr.
Munger, Paul R.
Murphy, James J.
Noell, Nelson H.
Nolfo, Louis J.
Odom, James T.
Ogle, James R.
Ostmann, Donald A.
Patterson, Barbara R.
Peterson, Henry N.
Peterson, Jay A.
Pezza, Anthony D.
Pfeuffer, Ronald R.
Pietsch, Earl
Pike, William H. II
Reese, Bartley L.
Robinson, Richard W.
Salazar, Arnaldo J.
Smith, Roy B.
Snajdr, Edward A.
Spieloch, Richard B.
Staats, Gary E.
Stidham, James A.
Stone, Tony C.
Talbert, Roger A.
Thielsen, Fred W.
Toepfer, Louis E.
Walker, Harvey J. Jr.
Walton, John W.
Weber, Roger C.
Weetman, Bruce G.
Wiethop, R. Harve
Williamson, Rayburn L.
Wistehuff, William E.
Wolfenbarger, Samuel L.
Worley, Morris T.

1962

Baker, James L.
Bednar, Charles J.
Bolon, Albert E.
Brady, Francis J.
Bramfitt, Bruce L.
Brauer, Charles W. Jr.
Brockmann, Richard K.
Buckrod, Gary J.
Busch, Ray E.
Duvall, H. Pat
Einsel, Miller D.
Elfrink, Lindell H.
Fadler, Eugene C.
Farnham, Arthur H.
Flanigan, Virgil J.
Funsch, Owen B.
Gaertner, Douglas A.
Goe, Larry D.
Gormley, James M.
Graham, John R.
Greeley, Michael N.
Haas, Donald W.
Hagni, Richard D.
Hallerberg, William L.
Hammond, Michael W.
Harvey, Lawrence E.
Hatfield, David C.
Haushalter, Frederick W.
Herzog, Michael S.
Hoffman, Charles R.

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1962 Continued

Horel, Edward T.
Hutchins, Ned M.
Jacobs, David C.
Jones, Jack H.
Kadakia, Jayant S.
Kick, David D.
Malsch, Peter H.F.
Mc Cav, Charles K.
Mc Cormack, Darroll S.
Mc Murtrey, Gerald D.
Mehta, Navnit C.
Moss, Robert Dean
Mueller, Richard A.
Murdock, Kenneth D.
Nowinski, Stanley W.
Obermark, James R.
Ownby, P. Darrell
Patel, Jayantibhai S.
Persson, P. Michael
Ploeger, Richard A.
Rencehausen, Gerald P.
Reyburn, Michael K.
Roussin, Robert W.
Rullkoetter, Gerald W.
Samrad, Ardeshir
Smith, Menard O. Jr.
Spackler, Donald E.
Speckhart, Frank H.
Staley, Jerry A.
Stearns, Jerry D.
Stigall, Paul D.
Swanson, Kenneth A.
Teske, James E.
Tolman, Carl
Twedell, Richard N.
Uhe, Gerald C.
Valentine, Craig A.
Van Doren, Thomas P.
Waters, O. Jerry



Welch, Gary E.
White, Daniel R.
Willyard, Donald L.
Wilson, Robert J.
Wuerz, Donald E.

1963

Amsler, Larry C.
Andoe, W. Victor
Arms, Robert L.
Baker, Marl
Bartling, Donald L.
Baumbach, Dale M.
Benn, Edward
Brockmann, Richard K.
Brown, Dewey F. Jr.
Buck, Richard L.
Carriere, Scott H.
Church, Jerry W.
Clark, Dennis A.
Clements, John L.
Close, Maxwell L.
Cochran, Andrew A.
Cox, David L.
David, Edward G.
Del Prete, Anthony Jr.
Denzel, Jerome A.
Dowling, Paul T.
Farmer, John O. III
Fenton, David L.
Gastineau, Franklin D.
Gilmore, Jerry L.
Glassel, Clifford
Gronemeyer, Gary P.
Hershey, Harry C.
Howell, Robert C.
Huston, Robert E.
Jabas, Stephen D.
Jaeger, Benjamin W.H.
Jaquay, Richard L.
Kahl, Richard A.
Knopp, John V.
Koester, Robert D.
Lago, Carlos M.
Lamb, John C.
LaPlante, Allan H.
Lasmanis, Raymond
Logan, Robert M.
Loveridge, Joel F.
Machmeier, Paul M.
Markland, Robert E.
Marosek, Charles P.

1963 Continued

Martin, Wade A.
Mattei, Peter F.
Mitchell, Ronald D.
More, Georgina
Murray, Hugh V. III
Naiknimbalkar, Narendram.
Packwood, Donald L.
Peterson, Donald L.
Poush, Kenneth A.
Reagan, John A.
Reilly, William J.
Robbins, Douglas A.
Robertson, Ronald S.
Robison, James B.
Schaefer, Seth C.
Schillinger, George R.
Schuchman, Norman J.
Schwaller, David L.
Sehl, Eugene Jr.
Shah, Bansidhar M.
Shalton, Lonnie J.
Sieckhaus, Robert H.
Smith, Sam L.
Snajdr, Edward A.
Stevenson, Gerald L.
Taylor, Glenn R.
Thompson, Larry D.
Thurman, Lowell E.
Tomasek, Anton J.
Trautman, Dennis R.
Van Buren, James K.
Vandergriff, Wayne L.
Van Doren, Thomas P.
Welch, Gary E.
Williams, Ronald R.
Wistehuff, William E.
Wood, Frank D.
Wyatt, De Marquis D.
Zink, Richard C.

1964

Alexander, Charles P.
Arzabe, Humberto O.
Bartel, Donald S.
Broeking, Kenneth W.
Buescher, Gene E.
Campbell, Charles E.
Carriere, Scott H.
Cassell, Ralph M.
Chen, Ten-Hsi
Chervitz, Jerrold
Chronister, Thomas G.
Chu, Gordon P.K.
Collins, James W.
Corwin, Robert F.
Craig, Thomas A.
Dagley, Richard K.
Dyhouse, Gary R.
Edwards, Harry K.
Ellebracht, Clarence A. Jr.
Ellis, Walter H. Jr.
Eppelsheimer, Daniels II
Evans, Donald L.
Ferrell, C. Stuart
Fournelle, Raymond A.
Garlich, Thomas K.
Greeley, Richard G.
Hallerberg, William L.
Henry, James M.
Hill, James L.
Holland, Gary R.
Holley, Robert G.
Hudelson, John R.
Johnson, Jerry G.
Kamp, Alan A.
Kelty, Thomas M.
Khetan, Raghunath R.
Kraus, Ronald W.
Krueger, Kenneth B.
Kuhlman, William H.
LaRose, T. Harrell Jr.
Leber, Walter P.
Lewis, David M.
Limberg, John P.
Maleskis, William
Martin, Carl D.
Martin, David A.
May, William L.
Mc Cauley, Ronald A.
Meehan, Michael E.
Merrell, David L.
Michel, David J.
Miller, Karl D.

1964 Continued

Million, John D.
Minton, John C.
Mitchell, Ronald D.
Mochel, William R.
Mueller, George E.
Muns, Bennett L.
Murry, Milton J.
Pappas, James M.
Parkinson, Larry L.
Parr, Richard A.
Payne, Thomas E.
Peacock, David N.
Peters, Donald G.
Pohlig, Kenneth D.
Poush, Kenneth A.
Quan, Choon K.
Raber, Richard F.
Radentz, Donald E.A.
Raffel, Ted C.
Raidt, Paul B.
Reagan, John A.
Reinheimer, Charles J.
Reuling, Donald O.
Royer, Leroy J.
Schmidt, Richard L.
Scott, F. Lindsey
Shalton, Lonnie J.
Simmons, Michael F.
Sowell, Lewis C. Jr.
Spehr, James L.
Spitzer, Nicholas A.
Steinkamp, William E.
Stuart, Robert L.
Suetterlin, Jack F.
Tao, Frank F.
Taylor, George H.
Treffinger, David J.
Valentine, Craig A.
Voorhis, Gary L.
Wang, Yun
White, Daniel R.
Williams, Ronald R.
Wilson, Tommie C.
Zimnick, Harold E. Jr.
Zunkel, A. Doug

1965 Continued

Koebbe, Eugene R.
Lago, Carlos M.
LaPresta, Samuel J.
Lasker, M. Owen
Lassley, Richard H.
Lee, Stephen K.
Li, Charles T.
Lindgren, Roy A.
Liu, Wan-Cheng
Logan, Robert M.
Lower, Larry M.
Lu, James W.
Machmeier, Paul M.
Marlow, Charles F.
Mc Cracken, William E.
Meyer, Norman R.
Miller, David A.
Mitchell, Robert E.
Morgan, Grover D. Jr.
Morgan, J. Derald
Mulyca, Walter C.
Myrick, Charles R. III
Nickless, Arthur L.
Nielsen, Darrell M.
Nute, Alton J.
O'Keefe, Thomas J.
Otto, Robert L.
Packwood, Donald L.
Palaski, Robert J.
Patterson, Barbara R.
Peirson, Robert C.
Picker, Melvin L.
Rankin, Larry V.
Riggs, W. Robert
Robb, Kenneth A.
Robison, James B.
Rude, Owen D.
Ryan, Robert J.
Schmidt, Frederick
Schroer, Wilbert F.
Schwaller, David L.
Shah, Rashmikant L.
Shaw, Nancy H.
Silvers, Paul L. Jr.

1966 Continued

DeClue, Duane H.
Dietz, Robert O.
Dreisewerd, Douglas W.
Dunn, Harry E.
Dycus, James P.
Dyhouse, Gary R.
Ellison, Donald R.
Fadler, Eugene C.
Fenton, David L.
Fiebelman, Harold E.
Fogler, Robert W.
Ford, Lloyd L.
Foss, Glen N.
Fox, Edwin K.
Fox, James C.
Fukabayashi, Harold H.
Fuller, Donald L.
Hackmann, Robert E.
Hannum, Richard W.
Hayes, Edward D.
Heater, Charles L.
Heider, Robert L.
Helwig, Arthur W.
Hershey, Harry C.
Hogue, Robert W. Jr.
Howell, John D.
Huddleston, James A. Jr.
Hughlett, Michael L.
Hung, Dick T.
Jackson, Leroy H.
Jennings, Donithan R.
Jong, Bing-Wen
Jozwiak, Philip A.
Jungers, Charles S.
Kamp, Alan A.
Khetan, Raghunath R.
Kirberg, Leonard C.
Klebba, Kenneth T.
Klug, Alfred E. Jr.
Kramer, Ralph H.
Kruep, Raymond J.
Leaver, Harvey B.
Liaw, Gin C.
Littlefield, Larry W.
Lund, Carl M.
Lytle, Glenn A. Jr.
Marriott, Dale D.
Mason, John T. III
Mc Carron, Robert L. Jr.
Mc Kinnis, Larry N.
Mc Mahin, Jesse T.
Meier, Thomas O.
Meyer, Robert W.
Miller, Charles C.
Mitchell, Robert E.
Modesitt, Donald E.
Mohr, John W.
Molkenbur, Richard A.
Moran, Michael D.
Moran, Robert W.
Morris, Gerald P.
Moss, Edward A.
Munn, Dale A.
Nelson, Donald R.
Nelson, Nicola A.
Panhorst, Albert C. Jr.
Parks, R. Anthony
Patterson, Gary K.
Peacock, David N.
Peirson, Robert C.
Perkins, James B.
Peterson, Henry N.
Petkas, John Jr.
Pollack, Leslie A.

1966 Continued

Told, J. Douglas
Trippel, Robert C.
Uthe, Floyd H.
Van Alstine, William L.
Walker, Byron G.
Webb, Darryl S.
Wesley, Darrell K.
Weyand, Thomas E.
Wideman, Lawson G.
Wilkins, Roy A.
Williams, Maurice A.
Williams, William S.
Woodfield, Richard A.
Yung, Shu C.

1967

Allmon, James A.
Anderson, William E. Jr.
Ballman, Edward A.
Barger, Hubert S.
Bartling, Donald L.
Bauer, William C.
Beeson, James J.
Bevel, Jerry E.
Bischof, Conrad W.
Breeze, Francis V.
Browne, Michael J.
Brunner, Gary D.
Capone, Gary J.
Cassimatis, Peter N.
Cissell, Milton C.
Cook, David L.
Cumper, James W. Jr.
Davis, Ronald D.
Deelo, Michael L.
Degenhardt, Eugene A.
DeLashmit, William E.
De Long, Carl E.
Dyer, Garvin H.

1967 Continued

Oliver, Kevin F.
Owens, Gary S.
Padfield, Ralph C.
Parsons, Edward W.
Perkins, Michael A.
Perkins, Richard A.
Perkins, Terry E.
Pomeroy, Wilford C.
Ponnwitz, Alfred J.
Prater, Nick L.
Rathbun, Donald G.
Rich, Larry M.
Rueh, Kenneth W.
Rymer, Russell S. Jr.
Scanlan, James W.
Schloman, Alan H.
Schoep, Gerald M.
Schuette, Louis H.
Schwarz, Arthur S.
Sears, Thomas J.
Seth, Raj B.
Smith, John W.
Smith, Robert T.
Sokol, David G.
Turner, Robert E.
Uhey, Ronald E.
Vance, Macy W.
Wagner, Richard V.
Webb, William D.
Weise, Theodore L.
Wenom, Robert A.
Whitcomb, Bruce M.
Wideman, Lawson G.
Wolf, John D.
Wood, Frank D.
Wu, Tien-Yu
Young, Lawrence M.
Zmudzinski, Gerald L.
Zwiener, James M.



1965

Adams, Joseph T.
Agrawal, Arun K.
Andoe, W. Victor
Arnold, Richard I.
Barr, Ralph S.
Bass, Paul J.
Behnke, Robert E.
Bergt, David E.
Bersett, Gerald W.
Bicknell, Hilton B.
Bicunas, Joseph D.
Boaz, James K.
Bradley, Milton P.
Branum, William H.
Braswell, Sylvester W.
Brunner, Gary D.
Bugg, Donald A.
Bugg, Stephen F.
Butler, James L.
Clifton, William A. II
Cline, John L.
Cochran, Russell V. Jr.
Cope, William R.
Cunningham, James R.
David, D. Dan Jr.
Deken, Louis R.
Dillion, Ronald K.
Doll, Warwick W.
Dorf, Roger A.
Gaylord, Thomas K.
Giger, D. Franklin Jr.
Goldstein, Martin P.
Goodman, Daniel K.
Goodman, Jack
Griffin, Paul D.
Gross, Manfred E.
Habenicht, W. Helmut
Henery, Edward N.
Henry, Daniel T.
Heuer, Barry S.
Hohman, Joe A.
Hrastich, Thomas A.
Huang, Tsang-Chi
Hurst, Donald W.
Jersa, Michael J.
Junge, Gregory
Kallor, Jay S.
Kasten, Raymond O.
Kettler, Gerald J.

Simpson, Thomas A.
Smith, Frederick J.
Smith, John W.
Smith, Michael D.
Spivy, Paul L.
Stickler, Roger H.
Stuart, Robert L.
Sundermeyer, Robert W.
Sunkel, Thomas M.
Suthipasharupon, A.
Terry, Richard L.
Thomas, Charles A.
Thomas, Donald O. Jr.
Thompson, LeRoy E.
Toedtman, Charles H.
Towers, Terence G.
Vance, Macy W.
Voorhis, Gary L.
Wade, Rolla T.
Wagner, Roger C.
Wang, Wen-Li
Wells, William L.
Whitten, Travice W. Jr.
Willyard, Donald L.
Wilson, Clyde W.
Wilson, Tommie C.
Yang, C. (Charles)
Yang, Hsun-Kuang
Yen, Shane S.
Zimmerman, Wayne M.
Zimmermann, Richard A.

1966

Adams, Frank S.
Anneaux, Dwight J.
Bachman, David A.
Behring, Allen G.
Blumfelder, William O.
Bramfitt, Bruce L.
Branum, William H.
Brynac, Michael J.
Buchmeier, Frank A. Jr.
Bufalo, David J.
Chaffin, Glen N.
Chapman, Robert T.
Chu, Richard S.
Coco, Matteo A.
Copenhagen, Roger L.
Davis, Jerry W.

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1912 graduate of the
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Rauer, James M.
Reed, David F.
Reinsch, Lawrence J. Jr.
Rich, Larry M.
Roberts, Loy D.
Scheer, Samuel A.
Schlosser, James J.
Schroer, James B.
Scott, Kenneth R.
Shafter, Alan D.
Shah, Ashok C.
Solook, John T.
Spence, Hugh F.
Steele, James D.
Steinkamp, William E.
Stewart, Leslie D. Jr.
Stockhausen, William T.
Thompson, Larry D.
Tibbs, Nicholas H.

Evans, John M.
Evans, Ronald E.
Fenton, David L.
Ferretti, Michael E.
Fick, Armin F.
Field, Cyrus W. Jr.
Fort, George E.
Fritschel, Larry E.
Fritzinger, Thomas J.
Fulwider, Thomas
Gass, John W.
Gaylord, Thomas K.
Hallett, Michael D.
Hardy, Michael E.
Harmon, Larry G.
Harris, Gary F.
Hill, Roland M.
Hodges, Phillip F.
Hollander, William D.
Hong, Inhi
Hopkins, Wayne J.
Hornsey, Edward E.
Inman, Paul L.
Kasten, Donald G.
Kehrman, Robert F.
Kessler, Harry H.
Kettenbrink, Edwin C. Jr.
Kettenbrink, Gail D.
Kistner, Michael R.
Knepler, John R.
Kolchinsky, Neal D.
Lebo, Jerome M.
Ledbetter, Ronald M.
Lloyd-Jones, David
Luehring, Elmer L.
Mc Coy, Robert J. Jr.
Mc Millen, Thomas M.
Mc Mullen, Clifford C.
Mc Nutt, Mrs V.H.
Medlin, James M.
Mehta, Navnit C.
Mikellionis, Lawrence J.
Miller, Edward D.
Mohr, John W.
Morrison, David W.
Mueller, Richard A.
Myers, Howard W.
Nelson, David A.
Nickel, Melvin E.
Nute, Alton J.

1968

Alyea, Jerrold M.
Andoe, W. Victor
Appleyard, Frank C.
Armstrong, Roy M.
Astrack, Richard P.
Ayars, Robert S.
Behring, Allen G.
Bell, Gordon W.
Bennington, Leslie O. Jr.
Berger, John M.
Bodine, Jack
Boyd, Robert K.
Brand, John R.
Brockhaus, Douglas A.
Brown, Joe R.
Brubaker, William R.
Carnahan, Danny L.
Chao, S. (Steve)
Chapman, K. Ron
Choate, Larry D.
Close, Maxwell L.
Cochran, Lincoln D.
Cowles, James C. Jr.
Cummins, Lyndell R.
Davis, Jerry W.
Dearth, David W.
Dillon, Paul H.
Doerflinger, Arthur E.
Downs, Melvyn E.
Ecoff, Ralph A. Jr.
Eggers, Stephen H.
Elliott, Rodger L.
Faintich, David M.
Fentzke, A. Daniel
Feugate, Robert J. Jr.
Flanigan, Virgil J.
Fogler, Robert W.
Fournelle, Raymond A.
Frank, James A.
Furst, David L.
Gammon, William H.
Gerhard, Gary E.
Gerig, Frank A. III
Green, William J.
Griffin, Paul D.
Haltermann, Leroy
Harris, Donald J.
Haynes, Alan D.

1968 Continued

Heitzmann, John E.
Houghton, Timothy J.
Howard, John J. (Jack)
Huang, James C.
Jackson, John T.
Jespersen, Terry R.
Johnson, Stephen S.
Karberg, Alan F.
Kehrman, Robert F.
Klug, Alfred E. Jr.
Koederitz, Leonard F.
Koegel, Frank R.
Korb, Michael C.
Kreilich, James L.
Kuchenig, Frederick W.
Larson, William M.
Ledbetter, Ronald M.
Lee, Stephen K.
Lehman, A. Richard Jr.
Lewis, Leland
Littlefield, Larry W.
Long, Joseph J.
Luebbert, Lawrence H. Jr.
Mabry, Dewayne P.
Manson, Donald A.
Martin, Mark A.
Mc Cormack, Darroll S.
Mc Cormick, C. Craig
Mc Ilroy, James S.
Mc Kelvey, Ralph E.
Miller, Norman R.
Miltnerberger, James L.
Mitchell, Floyd L.
Mohtashemi, Ali A.
Morgan, Grover D. Jr.
Otte, Leon L.
Owens, Charles D.
Pais, Jerome A.
Patterson, J. Robert
Peirson, Robert C.
Pender, Stephen N.
Perry, Norris W.
Perry, Robert C.
Petry, James C.
Pfeiffer, Douglas L.
Pogue, Jerry G.
Pokrefke, Thomas J. Jr.
Porter, Clayton G.
Powers, Richard W.
Rathbun, Donald G.
Rosenbaum, David E.
Roth, John L.



Rueter, Richard E.
Schaeffer, Neal T.
Scharl, Joseph M. Jr.
Scheer, Samuel A.
Scheibel, Larry L.
Schenk, Richard W.
Schneeberger, Fred C.
Schneider, Richard L.
Schopfer, Carl A.
Schowengerdt, Robert A.
Sharp, Richard E.
Sidlowski, Ronald E.
Smith, Frederick J.
Smith, John W.
Smith, Neil S.
Smith, Ronald G.
Solomon, Marc M.
Spence, Hugh F.
Stevens, Edwin E. Jr.
Stoltz, William A.
Storrs, Stuart M.
Strauss, Stephen R.
Tebo, Stephen D.
Thiessen, Gerald R.
Ward, Daniel K.
Wigginton, Gary W.
Wlos, Paul M.
Wolf, John D.
Wright, Stephen A.
Yost, Kenneth D.
Youngman, James A.
Zauner, Ronald F.
Zoellner, Lynn E.

1969

Andreae, Robert A.
Andrew, William K. V
Arnold, Robert D.
Ascoli, Don M.
Bay, Robert D.
Becker, Theodore H. Jr.
Beeson, James J.

1969 Continued

Berry, John J.
Bishop, David K.
Bollinger, Dwight A.
Bondurant, Frederick M.
Borgmeyer, Thomas S.
Boring, William D.
Bourne, Donald W.
Brackbill, Robert M.
Brandhorst, Lynn D.
Breese, Thomas E.
Bruzewski, James R.
Burke, James E.
Burrows, Eugene H.
Cable, John W.
Capone, Gary J.
Chang, James J.
Chow, Robert Y.
Collins, William E.
Coulter, Stephen J.
Craig, Charles M.
Cretin, Paul F.
Daily, Eugene J.
Daneshy, Abbas A.
Davidson, William G.
Davitt, Gerald C.
Degenhardt, Lynn J.
De Long, Carl E.
DeSpain, David R.
Dietrich, Walter D.
Downs, Melvyn E.
Eason, James S.
Eastep, Lawrence W.
Ebeling, John A.
Eydman, Phillip S.
Fechter, Charles E. Jr.
Feger, Thomas M.
Feugate, Robert J. Jr.
Fischer, James E.
Foster, Charles W.
Franke, Richard E.
Fukabayashi, Harold H.
Fung, Shiu Y.
Gentzler, Edward C. III
George, David R.
Gerig, Martha M.
Gluntz, David A.
Green, William J.
Gulick, Gary M.
Gullic, Robert C.
Hall, Leon M. Jr.
Haseltine, Gregory K.
Hatfield, David C.

Hawkins, Rodney B.
Hensley, Daniel L.
Hill, Lyle W.
Hohman, Gerald M.
Hollowell, William M.
Hung, Samuel S.
Hwang, Bor-Ing
Johnson, Jerry L.
Jozwiak, Vincent R.
Kahl, Richard A.
Kelahan, Michael E.
Kentnor, Charles B. Jr.
Kerns, Wayne L.
Kim, Joo Y.
Kissing, Michael R.
Knoez, Glenn M.
Knauf, William R.
Koederitz, Leonard F.
Koenig, Gary R.
Koester, Richard W.
Labit, James R.
Lambert, Donald B.
Liaw, Gia C.
Lomax, Gary L.
Long, John R.
Lowe, William S.
Marvin, Charles G.
Mc Lellan, Terry L.
Mc Millen, Thomas M.
Mengel, Edmund L.
Mertens, Michael L.
Meyer, Robert W.
Mintner, David C.
Mueller, Steve C.
Neumeyer, Wendell D.
Nichaus, Robert L.
Nudd, Barry C.
Nute, Alton J.
Oldham, Douglas G.
O'Neill, James A.
Otto, Conrad G.
Owens, Gary S.

1969 Continued

Payne, James D.
Picker, Melvin L.
Pohli, Kenneth D.
Rector, Michael R.
Roam, John H.
Ross, Terry K.
Roth, Lester C.
Fowoll, Carl A.
Rytter, Noel J.
Salomon, Harry A. Jr.
Sander, Ronald E.
Scanlan, James W.
Schmidt, Lonnie D.
Schmidt, Thomas S.
Seaman, Robert L.
Shaefer, Raymond T.
Sharp, Richard E.
Shini, Asaad S.
Slater, Michael W.
Smith, A. Wayne
Smith, Brian W.
Smith, Gary L.
Sowers, James R.
Spalding, Theodore J.
Spehr, James L.
Steele, Robert I.
Steffan, Cheryl A.
Stegar, David
Stevens, Robert W.
Stewart, Thomas J. Jr.
Strauser, Claude N.
Thies, Donald E.
Tibbs, Nicholas H.
Tomlin, Glenn P. Jr.
Vaughan, Gerald W.
Voss, Jerome J.
Wansing, Alvin D.
Webb, E. Victor
Wen, Chun-Ming
Wiesenmeyer, John C.
Wilson, Patrick J.
Woodard, Ronald C.
Zenge, Thomas L.
Zimmer, John J.

1970

Adler, Robert B.
Agrawal, Arun K.
Alexander, Gary R.
Alexander, William D.
Allison, Melvin R.
Anderson, William E. Jr.
Andreae, Vicki M.
Archer, J. Fred
Arzabe, Humberto O.
Aschinger, Eric D.
Astolfi, Richard L.
Baebler, Arthur G.
Baker, Walter A. II
Bauer, William C.
Bausell, Richard A.
Beardsley, David D.
Beirne, John M.
Berger, Dean A.
Binesh, Bizhan
Bischoff, Robert F.
Bosse, James P.
Brandt, Barry J.
Branham, John E.
Bray, Michael E.
Breden, James D.
Brown, Willis L.
Browne, Keith H.
Bryant, David A.
Bryant, Richard O.
Buck, Richard L.
Burk, Earl D.
Burrows, Eugene H.
Butler, Carol J.

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Butler, James R.
Calton, Lynn B.
Carl, Daniel E.
Carter, John B.
Chang, William C.
Chapman, Richard G.
Chasten, Dennis L.
Cheek, Michael R.
Chen, Yeou-San
Chiang, James H-H
Chiang, Pai-Chun
Colombo, Raphael C.
Conger, Glenn J.
Corbett, Timothy P.



1970 Continued

Corwine, John W.
Couture, Daniel G.
Crandall, George R.
Crossley, Derek E.
Cunningham, James R.
Davidson, Don
Davis, Jimmy L.
DeBolt, Donald G.
Degen, Gerald D. Jr.
Denlow, Israel
Denney, Kenneth L.
Dennis, Robert A.
Dexter, James R.
Dietrich, Randall G.
Doering, Frank J.
Dolata, Edward W.
Edwards, Harry K.
Edwards, W. Daniel
Engineer, Roy
Enke, Daryl D.
Feurer, John A.
Finkelstein, Michael A.
Finnegan, Jerrey D.
Ford, James A.
Poster, Charles W.
Freeman, Richard L.
Frieese, Michael M.
Glassel, Clifford
Glynn, Michael G.
Gullic, Robert C.
Habegger, Ronald L.
Hager, Harold W.
Hankins, David R.
Hardwick, J. Robert
Hardy, Gerald D.
Harris, Michael D.
Havens, Phillip G.
Henson, Phillip L.
Hinshaw, James S.
Hirner, Herman R.
Hoekelman, Leslie
Hohenberger, Frederick J.
Holliday, James A.
Homyk, Terrance J.
Huebner, Charles E.
Huey, Danny D.
Huneke, Leonard A.
Jaggi, Dennis F.
Jensen, R. Gene
Jussyp, Juri
Kaplan, Mark S.
Kelley, Franklin T.
Kemp, Linda L.
Kemp, Russell W.
Kemp, Wayne R.
Ketter, Richard P.
Killgore, Ross D.
Knapp, Larry J.
Ko, Kenneth C.
Koederitz, Leonard F.
Kone, Franklin W.
Korth, Michael V.
Kramer, John L.J.
Kreder, Kermit R.
Kuebler, Kenneth L.
Kuenz, James M.
Kuhar, William F. Jr.
Kunz, Charles O.
Kwiatkowski, James A.
Kwiecinski, Timothy J.
LaBoube, Roger A.
Lan, Shing-Shong
Landreth, Edward W.
Landreth, R. Kathleen
Lane, Ronald L.
Larsen, Glen A. Jr.
Lee, Chin-Ming
Lewellen, L. Frank
Liang, Tze-Lien
Liao, Cheng S.
Lin, Chin-Tsai
Lindquist, Craig A.
Litteken, Kenneth W.
Lueddecke, Donald E.
Mahanna, Simon A.
Mahlandt, Joseph N.
Marchiando, Anthony F.
Masters, Robert S.
Matoesian, David H.

1970 Continued

Mathews, Jerry L.
Mc Farland, Gene A.
Mc Kelvey, James B.
Mc Williams, Lyle W.
Metz, Kenneth L. Jr.
Midden, Leo W.
Mikkelsen, Clark D.
Miller, Charles C.
Mirly, Kenneth A.
Mitchell, Ronald D.
Mohtashemi, Ali A.
Monsees, Robert L.
Moore, Ben L.
Morgan, Mark D.
Morris, James L.
Morris, James R.
Moss, Edward A.
Mouser, Gerald F.
Mundviller, John L.
Murray, Charles J.
Muzumdar, Aravind S.

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Naylor, Theodore W.
Nebel, Thomas C.
Neumeyer, Donald G.
Niesen, Richard E.
Nolte, Curtis E.
Oliver, Larry J.
Olusanya, Olusegun O.
O'Neal, William F.
Onstott, Larry L.
Oppenheim, Morry
Parr, Richard A.
Parsons, Jerry D.
Peacock, David N.
Pierce, James R.
Pierson, Ossean E.
Pietrzak, Paul E.
Plank, Danny E.
Pollack, Leslie A.
Portnoff, Neil S.
Poztmann, Clark A.
Praznik, Gregory E.
Ramey, Roy R.
Rauls, Gary L.
Ray, Billy T.
Ray, James A.
Rechner, James J.
Reed, Michael L.
Reese, Bartley L.
Reynolds, Joseph C.
Ricono, Marion P.
Riley, Richard K.
Rodehush, James R.
Roman, Ronald J.
Rosenkoetter, Arthur I.

1970 Continued

Ross, Lenard H.
Rowan, James M.
Roy, Ranjit K.
Schamel, Walter S. III
Schellman, Leon H. (Max)
Schiffner, Larry L.
Schiller, Frederic
Schmelzel, Randolph W.
Schmidt, Michael G.
Schnake, Alvin E.
Schwager, John L.
Selden, Thomas A.
Sha, Yung-Chau
Shaffer, Alan D.
Shea, Dennis P.
Shepherd, Charles A.
Shinn, William K.
Shockley, Gilbert R.
Siegel, Robert J.
Sievert, O. Morris
Simone, Angelo
Sizemore, Lamar T. Jr.
Smith, Beverly D.
Smith, Brian W.
Snow, Martin R.
Soong, Philip J.J.
Soult, John P.
Spielloch, Richard B.
Stephenson, Michael W.
Sterett, William K.
Steury, Janet A.
Steury, Thomas D.
Strong, William P.

1971 Continued

Beeson, James J.
Bender, Victor W.
Bennett, Billy E.
Benoy, Leslie D.
Bentzinger, Robert
Berkbigler, Larry W.
Bertrand, Paul M.
Beshore, David G.
Blankenship, William J.
Bondi, James O.
Bondurant, David W.
Boulson, Charles E.
Bowers, Donald R.
Braaf, John H.
Bradley, Milton F.
Browne, Keith H.
Bryan, David O.
Buckwalter, John R.
Buechler, Thomas J. Jr.
Burkemper, Ronald W.
Butler, James A.
Cambier, James L.
Campbell, Larry W.
Carter, Hal E.
Chao, Richard Y.
Chouarain, Michael L.
Choura, Ronald G.
Clapper, Michael B.
Clark, Bruce B.
Clark, Robert E.
Conner, Danny R.
Cook, Michael M.
Cooper, Charles J.

1971 Continued

Hinkle, Lloyd A. Jr.
Huber, Richard A.
Ibarra, Cheryl A.
Intag, Carl E.
Irvin, Larry C.
Israel, John I.
Jacks, Robert W. Jr.
Johnson, Eric A.
Johnson, Robert J.
Jones, James H.
Kelley, James E.
Kelly, Michael G.
Kennedy, Brenda S.
Klotz, James A.
Korth, Michael V.
Laderoute, Charles D.
Lammi, Alan W.
LaPresta, Samuel J.
Lehman, A. Richard Jr.
Luth, William L.
Mason, John T. III
Mc Carron, Robert L. Jr.
Mc Cormick, Larry L.
Mc Cormick, Robert S.
Mc Grath, James B.
Meier, David L.
Meng, James C.
Merwin, James R.
Meyer, Robert W.
Mitchell, Floyd L.
Mohalley, Robert P.
Moline, Daniel D.
Montgomery, J. Dale Jr.
Moore, Ronald T.
Mouser, Gerald F.
Nelson, Nicola A.
Neubert, Ralph L.
Nevens, Marvin E. Jr.
Nolan, Lawrence E.
Olusanya, Olusegun O.
Osseck, Patrick M.
Overturf, Richard D.
Parkes, Roger D.
Pearce, Paul E. Jr.
Pittman, Larry P.
Polich, Victor J. Jr.
Pottinger, Jan M.
Potucek, Martin
Powell, Richard F.
Price, John B. Jr.
Price, Mark H.
Faithel, James F.
Ray, Robert L.
Redington, Stephen L.
Reuling, Donald O.
Robinson, Gordon D.
Roe, Liras A.
Roth, John L.
Sandella, Michael S.
Scherrer, Paul K.
Schmidt, E. Robert Jr.
Schneider, James R.
Schramm, William W.
Schulze, Roy E.
Seabaugh, Allen W.
Shanes, Charles W.
Sherwood, Robert E.
Simmons, Michael P.
Simon, David M.
Sleboza, David S.
Smith, G. Dan
Smith, Gregory P.
Smith, Wayne D.
Spence, Hugh F.
Stanfield, Dennis E.
Steffee, Richard E.
Stephens, James W.
Strong, William P.
Strother, Gregory L.

1971 Continued

Struckhoff, Robert M. Jr.
Stucker, John R.
Talbert, Keith E.
Taylor, Charles H.
Theilmann, John M.
Ulrich, James G.
VonKaenel, Frederick W.
Ward, Robert L.
Warner, John R.
Webb, Johnny S.
Wedge, W. Keith
Welsch, Paul L.
White, Charles A. III
Whitford, Jerald L.
Widner, Gary W.
Williams, Raymond R.
Wilreker, Victor F. Jr.
Wise, Louis F.
Wussler, Alfred J.
Yancey, Roger L.
Yeh, Shen K.
Zlatic, Milton T.

1972 Continued

Harms, Barry A.
Harris, George L.
Hart, James F. Jr.
Heiser, Frederick W.
Herman, Thomas J.
Heseman, Calvin R.
Hill, Lyle W.
Hilton, Robert J.
Hitchings, Roger L.
Holliday, Robert L.
Holt, Michael L.
Houdeshell, Dale L.
Hunding, Carl W. III
Hunsel, Charles M.
Ibarra, Santiago (Jim) Jr.
Isbell, Clarence A. Jr.
Jones, Alan W.
Jong, Bing-Wen
Kaplan, Alard
Kmeczek, Glenn M.
Kohlberg, Arthur A.
Kreilich, James L.
Kriegshauser, Paul C. Jr.
Krysa, Mitchel S.
Laderoute, Charles D.
Lambe, Clinton R.
LaPlante, Allan H.
LaPlante, Richard T.
Lauth, John A.
Leavitt, Dallas R.
Loiseau, Paul B. Jr.
Lyon, James S.
Marshaus, Kurt K.
Matthes, Alfred W. II
McCormack, Howard F. Jr.
Meldi, Ronald L.
Merwin, James R.
Miesner, Stephen H.
Minden, Francis J.
Mintner, David C.
Mirly, Kenneth A.
Moody, Robert A.
Morris, James R.
Mueller, Roy E.
Mugar, John W.
Mulligan, James A. III
Myers, Kenneth R.
Nash, William R.
Nelson, Steven F.
North, Michael A.
Oliver, Daniel L.
Olson, Charles E.
Orella, Gary J.
Park, Dean A.
Parsons, Clyde T. Jr.
Partridge, Ralph M.
Peatross, Robert F.
Phillips, Robert M.
Phipps, John O.
Pitt, Dale M.

1972

Ackmann, David A.
Allen, Kim S.
Alspaugh, David H.
Amayo, Jorge R.
Anderson, John R.
Bachmann, David E.
Bafford, R. Dean
Bartnett, Thomas R.
Bartoli, Ernest C.
Behring, Allen G.
Benton, James R.
Berry, Robert T.
Binder, Elmer W.
Binesh, Bizhan
Black, William M.
Blair, Norman D.
Blizewski, Brent
Bondi, James O.
Bontz, Daniel L.
Boyd, Stephen J.
Brannan, Randall J.
Brose, Robert L.
Brown, Phillip L.
Buback, Craig S.
Buhmester, Earl K.
Burke, Teriel E.
Butts, James D.
Carmichael, Dwight E.
Carson, Alan W.
Chien, John F.
Cole, Hugh E.
Collings, James R.
Commerford, James J.
Conger, Glenn J.
Cretin, Paul F.



Struessel, David A.
Stuckemeyer, Randy L.
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1977

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 Robbins, Amy L.
 Robbins, Steven W.
 Rockwell, Lawrence A.
 Roy, Daniel Clyde
 Russell, Carol A.
 Sallas, William M.
 Sarchet, Dawne E.
 Schafer, Robert P.

Castillo, Pedro Ramon
 Castor, Lawrence W.
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 Chavanich, Anchalee
 Chronister, Donald J.
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 Coffman, Terry R.
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 Couch, G. Robert
 Crane, Russell Jay
 Cummings, Ramona K.
 Cummings, Ted M.
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 Deloach, Charles Leon
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 Edwards, W. Daniel
 Egbert, Robert I.
 Elgin, Richard L.
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 Naeger, Robert J.
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 Newby, Arnold Scott
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 Nicks, James A. Jr.
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 Speck, Donald R.
 Springer, Kent Steven
 Stiltz, Michael D.
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 Stutsman, John Vance
 Sudholt, Terry Alan
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 Tonkel, Dennis George
 Toomey, John B.
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 Brune, Charles D.
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 Cain, Scott B.
 Carney, W. Dale
 Cerny, Timothy M.
 Chapman, Robert R. Jr.
 Christian, Elaine A.
 De Laeber, Nicholas S.
 Fleischman, Robert F.
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 Hepler, Thomas E.
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 Hughes, Steven C.
 Janke, Stephen R.
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 Liescheidt, Brenda E.
 Martin, Daniel L.
 Mees, David R.
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Byrd, Herman C. '50	Haffner, Harold J. '35	McCracken, Mary H.	Schoeneberg, Kenneth W. '44	Wiethop, Russell H. '32
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Cochran, Russell V. Jr. '59	Hegler, Burns E.	McNutt, Mrs V.H. '67	Seipel, John R. Jr. '53	Wolf, Robert V. '51
Cole, Richard E. '47	Heim, Carl J. '25	Mears, A. Dale '61	Senne, Joseph H. '51	Worley, Morris T. '61
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Cornett, Roy C. '38	Herman, Theodore '28	Michelotti, Joseph E. '52	Sharp, Everett W. '40	Zimmerman, Donald G. '50
Cottrell, Ricky H. '76	Herrell, R.R. '27	Miller, Edwin L. Jr. '21	Shaw, Nancy H. '65	Zinke, Robert '51
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 W. P. & Margaret Eyberg
 Mr. & Mrs. Frank A. Gerig, Jr.
 Burns & Kay Hegler
 Mr. & Mrs. William S. Jenks, Jr.
 Mr. & Mrs. Paul E. Null
 Elizabeth L. Pence
 Mr. & Mrs. H. D. Thomas

DONORS TO THE MUSIC DEPARTMENT
 Shirley & Dick Bauer

DONORS TO THE BAND
 E. Jefferson Crum
 Fred M. Springer

NOTICE

Mail returned because of incorrect addresses now costs the Alumni Association 25¢ per piece. Please notify the Alumni Office, Harris Hall, University of Missouri-Rolla, Rolla, MO 65401 as soon as you have an address change. All changes are made on the day of receipt. The computerized record system allows the alumni office to maintain alumni lists for various campus organizations, so a change in your basic record will probably accomplish the change for your fraternity, honorary or special interest organization.
 Thank You

Lifetime Memberships

When the Alumni Association was young, life memberships were solicited to finance the organization. The following alumni hold paid-up life memberships:

Bowers, Carlos Gehert '24	Miller, John Charles '16
Brown, John Stafford '17	Neal, Kenneth Robeson '30
Crawford, E. A. '29	Potter, Charles Jackson '29
DeCousser, Kurt Herman '22	Reilly, John Henderson Gay '17
DeValve, Albert Steihler '43	Smith, Hueston Merriam '38
Forgotson, James Morris '22	Swift, Roy Erwin '34
Frame, Wayne Shannon '23	Wanenmacher, Joseph M. '23
Gibson, Doddridge Graham '23	Wheeler, Ernest Sterling '22
Grimm, C. James '30	Wheeler, Jennie Lenox '22
Halasey, Francis Richard '22	Each has a permanent place on the honor roll of donors. Thank you all.
Kemper, Claude Lester '24	

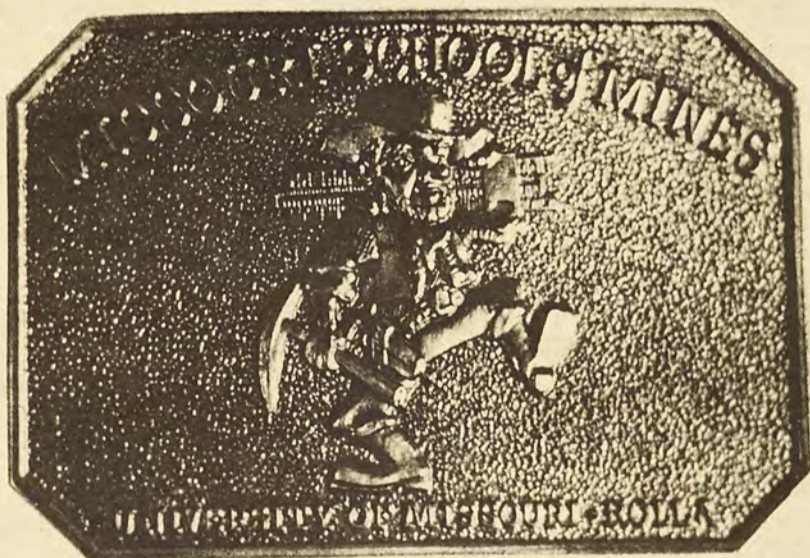
Athletic Department Donors

J. Lewis Andrews	Alex Grosberg	Larry J. Oliver
Richard H. Bauer	Kenneth Jinkerson	Allen Paschke
John H. Bender	Charles W. Johnson	Lloyd C. Prickett
William D. Busch	Robert D. Jost	John H. Roam
Jerrold I. Chervitz	Richard A. Kahl	Frank B. Rogers
Charles L. Clayton	Charles L. Kitchen	John J. Sakonyi
Herbert F. Crecelius	Harold A. Krueger	L. R. Scheurer
Donald L. Dean	Gerald J. LaBouff	W. T. Schrenk
Gordon L. Erickson	Carl W. Littner	James B. Schroer
Jack E. Fleischli	W. Wan-Cheng Liu	D. C. Shay
Harold H. Fukubayashi	O. I. Lumaghi	Fred M. Springer
Shiu Yin Fung	Roy J. Mattes	James W. Stephens
John H. Fuqua	Henry D. Monsch	Armin J. Tucker
James Hardy Garrett	Hong S. Moy	James A. Unnerstall
Clifford L. Glassel	M. E. Nevins	Donald R. Wolf
	R. H. Okenfuss	

Necrology

These members have been reported as deceased to the Alumni office from December 16, 1977 through December 31, 1978.

Anderson, Hector G., '09	Long, A. E. (Albert), '22
Bailey, Conrad James, '60	Long, Charles A., '57
Ballman, Edward Albert Jr., '66	Lynton, Edward Dale, '12
Barrett, Edward Phillip, '09	McBrian, Ray, '24
Bertram, Richard Allen, '32	Mitchell, George Alan, '54
Beveridge, Thomas Robinson, '42	Mitchell, Richard Kenworthy, '47
Billard, James William, '48	Moore, Barbour Hamilton, '23
Brackett, Richard Conant, '43	Nagel, Lawrence John, '50
Bruening, George Henry, '36	Nelson, Donald Eugene, '50
Bruzewski, Robert Francis, '47	Neustaedter, Harold Arthur, '16
Bunge, Fred Henry, '46	Nicks, Dale Keith, '65
Burford, Carroll Preston, '21	Pigott, Phillip Gordon, '51
Burkhart, Edgar Carl Moritz, '18	Powell, Jephtha Thomas, '29
Clark, John William Jr., '51	Riden, Marty, '49
Cody, Benjamin Horace, '11	Rixleben, Bruno, '23
Doisy, Richard Joseph, '46	Schamburg, Wilbert E., '48
Fink, Clyde H., '52	Schramm, Herbert Oscar, '25
Ford, Harold Percy, '12	Scruby, Horace Dwight, '22
Gibbons, Kelly E.	Seifert, Harold Wesley, '65
Goff, Ira Nathan, '26	Sheppard, Joe D., '44
Gross, Howard Halcomb, '28	Stevens, John Vivian, '06
Haddock, Howard Bridell, '35	Stewart, Robert Marion, '39
Healey, Michael Vincent, '23	Stuesse, James F., '57
Hibbits, Lowell Atwood, '33	Terrell, J. B., '32
Hoey, William T., '23	Topper, Robert Leonard, '41
Huffman, Daniel Elijah Jr., '22	Uthoff, Frederick William, '20
Hunt, Oliver Parks, '32	Werner, Walter August, '23
Kilpatrick, Harold Robert, '28	Williamson, Joe Jr., '29
Kuhlmann, Henry William Jr., '38	Wilson, Curtis L., '63
Lamers, Clarence William, '33	Zaiser, Frederick J. Jr., '73
Lloyd Samuel Harry III, '47	



The UMR Student Chapter of the Society of Mining Engineers is offering for sale to alumni our belt buckle pictured above.

Proceeds from the buckle sales will enable SME to participate in a variety of activities including field trips, honor banquets, special projects & our bi-annual outing. We want to thank all of our patrons for their generosity.

Orders and checks for five dollars made payable to the Society of Mining Engineers should be mailed to Randy Tomic, 125 Mining Bldg.-UMR, Rolla, MO 65401.

Please ship _____ buckles at \$5.00 each. Enclosed find a check for \$_____

Name _____

Address _____



University of Missouri-Rolla Chancellor Joseph M. Marchello (left) says "thank you" and discusses the use of a \$10,000 grant received by UMR from Westinghouse Electric Corporation's Education Foundation with representatives from the company. They are: (second from left to right) J. S. Wyble, L. G. Howard and David H. Griffin. Wyble is vice president, Southwestern Region, Dallas, Texas. Howard is sales engineer, power systems, and Griffin is manager, administration and communications, power systems, in Westinghouse's St. Louis office. The grant is the first payment of a three-year commitment of \$30,000 by the Westinghouse Education Foundation. The money will be divided between UMR's electrical engineering power program and the minority engineering program.

Class of 1943 Gift

Joseph T. Adams	W. D. Kent
William R. Anderson	Matthew J. Kerper
Waldemar M. Dressel	O. L. Meyer
H. W. Flood	James A. Neustaedter
Edward S. Fris	Ira L. Perkins
Raymond O. Kasten	Lloyd C. Schumann
Edward T. Kendall, Jr.	Victor H. Zoller

Matching Corporate Gifts

Over 756 companies have matching gift programs designed to encourage employees to support higher education. Gifts to the MSM-UMR Alumni Association and University of Missouri-Rolla normally qualify for matching. Some employers now match alumni gifts with two and even three dollars for each dollar from the individual. In 1978, matching gifts accounted for \$15,877.15 of our gift income.

Abex Corp	Ingersoll-Rand
Alcoa	ITT Blackburn
AMAX-Climax Molybdenum Co	Jos E Seagram-TX Pacific Oil
AMAX-U S Metals Refining Co	Kennecott
American Motors	Kerr-McGee
American Standard	Layne Western Co
Amoco	Marathon Oil Co
Arco Inc	Marathon-Frontier Resources
Armco	Marley Co
Asarco	Monsanto
Ashland Chem Inc	Monsanto-Fisher Controls
Ashland Oil Inc	Nalco Chem Co
AT&T-Western Electric	NCR Co-Data Pathing Inc
B F Goodrich	NL Industries
Bendix	Northern Natr Gas
Boeing	Occidental Petr Corp-Hooker
Carrier Corp	Olin Corp
Clark Equipment Co	Owens-Corning Fiberglas
Cleveland-Cliffs Iron Co	Owens-Illinois
Collins Radio	Parker-Hannifin Corp
Columbia Gas Sys	Pfizer Inc
Combustion Engineering	Philip Morris-Miller Browing
Combustion Engineering-Lummus	Philip Morris, USA
Continental Group Inc	PPG Industries
Cooper Indust-Cooper Energy	PPG Industries-Houston Chem
Corning Glass	Ralston Purina
CPC International	Rochester & Pittsburgh Coal
Digital Equip Corp	Rockwell Intl
Dow Chem Co	Rockwell Intl-Atomics Int Div
Dow Corning	Rohm & Haas Co
Dresser Industries	SCM Corp-Glidden-Durkee
Duke Power Co	Shell Oil
ESB Inc	Sherwin-Williams
Ethyl Corp	Sohio-Old Ben Coal
Exxon	St Joe Minerals Corp
Factory Mutual	Sullair Corp
Fluor Corp	Sun Co
FMC Corp	Sun Energy Dev Corp
Ford Aerospace & Comm Corp	Sybron Corp-Pfaudler
Ford Motor Co	Syntex Labs
Getty Oil Co	Teledyne
GTE-Automatic Electric	Trunkline Gas Co
Gulf & Western Engr Co	TX Eastern Trans Corp
Gulf & Western-NJ Zinc	U S Gypsum
Halliburton-Brown & Root	U S Gypsum-A P Green Refrac
Hartford Steam Boiler Insp	Union Electric
Hewlett-Packard	Vertac Inc
IBM	Watwood & Heavener, Inc
IL Tool Works	Whirlpool Corp

Administrative Reorganization for UMR

UMR Chancellor Joseph M. Marchello announced his administrative reorganization for UMR on January 16. The major objectives of the reorganization are two-fold: to provide better service to both faculty and students; and to provide an organization that is better able to deal with the challenges and the opportunities in higher education during the coming decade.

The plan reduces the campus administrative units from ten to six in the following fashion:

NEW

1. Office of the Chancellor
2. Office of the Provost
3. Administrative Services
4. School of Mines and Metallurgy
5. School of Engineering
6. College of Arts and Sciences

CURRENT

1. Office of the Chancellor
2. External Affairs
3. Provost and Dean of Faculties
4. Graduate School
5. Extension and Continuing Education
6. Student Affairs
7. Business Office
8. School of Mines and Metallurgy
9. School of Engineering
10. College of Arts and Sciences

Changes from this administrative streamlining include:

Responsibility for the operation of continuing education, extension and public service will be shifted to the academic units with the Provost's office providing coordination.

The Provost's office will also have the coordination responsibility for the graduate school although the major responsibilities are transferred back to the academic departments, schools and college.

UMR Introduces Bookstore Manager

Walter D. Klingenberg, director of the Harper College Bookstore at William Rainey Harper College, Palatine, Ill., has been named the first manager of the University of Missouri-Rolla's new bookstore, effective March 1. The announcement was made by Jess Zink, director of auxiliary enterprises at UMR.

The new bookstore will be housed in the northwest corner of the University Center West. Renovation of the area has been underway since the end of the fall semester. The facility is scheduled to open for a trial period in June, and full operation will begin at the start of the 1979-80 academic year in August.

Klingenberg, 41, received a B.S. degree in mathematics in 1960 from Ohio University, Athens, Ohio. He worked in that University's bookstore for some 13 years, advancing from clerk to assistant manager. In 1967 he moved to his present position where he supervises a staff of 11 permanent, 15 Student and 22 temporary and/or seasonal employees.

Klingenberg is a member of the National Association of College Stores and served as president of the Illinois Association of College Stores in 1973-74. He is married, and he and his wife, Marilyn, have three children—Kathy, 19; Dan, 15; Vicky, 6.

Several campus-wide and external activities are integrated into the chancellor's office. These include affirmative action, alumni-development, institutional analysis and planning, and university relations.

Most student affairs functions will be delegated to the provost's office.

The business office will be changed to Administrative Services with some internal restructuring.

The Provost's office will administer student recruitment with the involvement of alumni-development, university relations, and summer programs.

Personnel reassignments include: Frank Mackaman, director of Alumni Activities becomes director, Alumni-Development as well as executive vice-president of the Alumni Association; Dr. Theodore Planje will continue as dean of School of Mines and Metallurgy, and will also serve quarter-

time as assistant to the chancellor for research; Joseph Wollard's title has been changed from business officer to executive director of Administrative Services; Dudley Cress, director of the Office of Public Information becomes director of University Relations, which includes public information, publications, public broadcasting and public events; Dr. Edwin Lorey continues as dean of Extension and Continuing Education and will serve quarter-time in the School of Mines and Metallurgy; Dr. Robert McFarland, dean of the Graduate School will serve as director of Institutional Analysis and Planning and quarter time teaching and research; Paul Ponder, dean of Student Affairs has been reassigned to serve as registrar; Neil Smith, director of Institutional Studies will be director of Business Services; Catherine Jenks, instructor of psychology, will become assistant to the Chancellor for Affirmative Action and Public Functions; Professor Bernard

Sarchet, director of External Affairs and chairman of Engineering Management will serve full-time as chairman of Engineering Management.

These changes create vacancies in the dean of the graduate school and dean of students positions. The chancellor announced that he will begin immediately with procedures to fill these vacancies.

Dr. Marchello announced his plans to make some changes in the administrative structure of UMR last October. For the past few months he has received advice from individual faculty and administrators, from the Academic Council, students, alumni and other groups.

Most of the changes are effective immediately, although some will be phased in over the next few months. In addition, changes in academic units, advisory councils or committees or other units may be later. In any case, reorganization is expected to be completed by the fall '79 semester.

Remington Appointed to CO-OP Post

Charles R. Remington, professor of mechanical engineering at the University of Missouri-Rolla, has been appointed associate director of UMR's Cooperative Program effective Jan. 1.

The Co-op Program gives students the opportunity to earn money and gain experience by alternating periods of study with periods of work in industry.

Dr. Jim C. Pogue, provost, says that in his new position Professor Remington will work with Professor G. E. Vaughn, director of the program and will continue teaching on a quarter-time basis, quarter-time basis.

Professor Remington joined the UMR faculty as an instructor in mechanical engineering in September, 1950, and was promoted to full professor in 1961. He has directed 12 summer science training programs for high school students and has been involved in the freshman preregistration and orientation programs for many years. He is the primary freshman adviser in the mechanical and aerospace engineering department. He is a registered professional engineer and a member of a number of professional and honorary societies.

"Professor Remington's rapport with students, his direct experience with co-op students in mechanical engineering, and his close ties with industry make him uniquely qualified for this position," Dr. Pogue says.



Almost 350 students are enrolled in the program with about 165 industries, including 50 in the St. Louis area. A student may begin the cooperative work program after his freshman year at UMR, and, with proper financial management may finance the remainder of his education, according to Dr. Pogue.

"This program is increasingly popular

with both industry and students," Dr. Pogue reports. "There are always more positions available than there are students to fill them. However, with inflation and the increasing cost of higher education, the program, which provides work experience plus funds, is very attractive to students. Most co-op students take about an extra year to earn their degrees."

Tucker Retires After 30 Years at UMR

Thirty years ago last October 27, Shirley Tucker's first job at the University of Missouri-Rolla was to help construct the brick fire wall in a so-called temporary building—today it's the O.P.I. "I was told there might be three week's work for me," Tucker reminisces.

Tucker's original three weeks stretched into months and years, and he retired as superintendent of maintenance and custodial services in December, 1978. And, according to Bob Marlow, '58, director of the physical plant, he will be sorely missed. "Probably the most outstanding characteristic about Shirley Tucker," Marlow says, "is his desire to know everything about any machine,

system, or piece of equipment he is responsible for. He reads, studies, experiments, and talks with others about these things until he thoroughly understands them. He's probably earned enough knowledge on his own for several degrees."

An extremely modest man, Tucker doesn't say much about his work except that he has found it very interesting. "The best thing about it is that there is something new every day," he says.

Asked if he had any comments about dealing with people (he had the general supervision of about 100 employees and knows most of them) he said that, as a whole, he doesn't have many problems.

"I don't know if I tolerate them or they tolerate me. We generally manage to get along." Mutual respect probably has a great deal to do with it.

Tucker and his wife, Ethel, live at 1005 W. 14th St. in Rolla—just a few blocks from both the main campus and the General Services Building. Beyond a little work around the house and a bit of travel, his only retirement plans are to spend more time with his family and grandchildren. He figures he will still be fairly active as a consultant on maintenance matters. "I may even be back on campus for a little bit the day after I retire," he smiles. He was.

My Alma Mater*

by Joseph M. Wilson, '21

When I got ready to go to college, the most important consideration was the expense. My brother, Malcom E. Wilson, was working for "Chief" H.A. Buehler at the Missouri State Geological Survey in Rolla. He and his wife, Louise, volunteered to let me live with them if I wanted to go to the School of Mines so the choice was made for me. It was the best choice I could have made if I had had every college in the country to choose from.

The big Union Station in St. Louis was a little frightening for a green country boy from Iowa but Malcom met me there and put me on a Frisco train to Rolla where Louise met me. After that everything was exciting. This was in September, 1917, when the total enrollment of the school was 299 students.



JOSEPH M. WILSON, '21

When the United States declared war on Germany in 1917, a Students' Army Training Corps was established at Rolla for the purpose of selecting and training officer material. I was inducted into the service on October 14 and discharged on December 14, 1918, after serving only two months. During this period the members of the corps lived in Mechanical Hall on the campus and took meals in Jackling Gym, but otherwise classes proceeded as usual. Lieutenant James T. Shuttleworth was in command of the S.A.T.C. and our training consisted of executing squads right and left and bayonet drill with unwieldy rifles for which we had no ammunition or bayonets.

After the war things reverted to normal fast. I had joined Sigma Nu Fraternity during my first year at Rolla and it was a wonderful association. However, many of my close friends were not Sigma Nus or members of any fraternity, like Earl Guy, Bill Netzeband and Bill Nolte.

I didn't get to the campus of the School of Mines until the fall of 1917 so my knowledge of the fabulous 1914 football team is based on research and word of mouth—some fact and some rumor. Professor L. E. Garrett was Acting Director of M.S.M. (1913-15) and his hopes were for a winning football team to "put Rolla on the map." One of the coaches employed by the school had been around and he had a couple of players who followed him. They were said to quietly register as students in the fall and then drop out after the season was over.

The tallest man on the 1914 team was the center, Joe Wilson, whose father was chief of police in St. Louis. Whenever we were spoken of at the time, he was "Big Joe" and I was "Little Joe." At psychological opportunities during the game "Big Joe" would pull out a large plug of Horse Shoe chewing tobacco and take a big bite of it, thus conveying the feeling that it might be dangerous to get too close to him.

The 1914 team nearly set a national record when it ran up a total of 540 points to their opponents zero for the season. They played among others the University of Missouri at Columbia; the University of Arkansas at Fayetteville; and Washington University. This impressive record was not allowed to stand as official by the athletic authorities of the day because the team sneaked off and played a post season game which they won. However, the game had been forbidden by the faculty for reasons not quite clear. The players were suspended from school but were soon reinstated. There is nothing more specific to be said about this football team but the inference is that the team was disqualified from national competition because of ringers or professionals playing on it. But what a team!

Two Professors: Dake and Dean

Dr. Charles Lawrence Dake was head of the Geology Department of M.S.M. during the golden era of oil discovery in the Southwest when surface geology was so important. He spent his summers doing consulting field work in Oklahoma and Kansas, thus augmenting his modest salary. Once on a field trip near Rolla with the senior geology class, he found a rare turitella fossil shell called Archimedes and, holding it up for the class to see, he excitedly shouted, "Archimedes! Ar-'medes!" and was thereafter affectionately referred to by his students as "Archimedes" Dake.

He taught us how to map surface structure with plane table and Alidade,



DR. CHAS. L. DAKE

a very effective oil discovery technique, and the leading one until the advent of the reflection seismograph about 1930. But Dr. Dake developed another technique for locating oil, and co-authored a book about it called *Interpretation of Topographic and Geologic Maps with Special Reference to Determination of Structure*, published in 1925. Oil producing structures do sometimes express themselves on the surface as topographic features. An example is the spectacular ridge that runs in a north-south direction in Ward and Winkler counties, Texas and Lea County, New Mexico. This ridge has yielded continuous oil production on it for about 100 miles.

A knowledge of topographic expression was most valuable to a geologist during the 1920's for a quick appraisal of a prospect. This knowledge (to be able to read the topography), as taught by Dr. Dake, was the most valuable single piece of working technique I learned at Rolla.



GEORGE R. DEAN

Professor George R. Dean, fiery but lovable head of the Department of Mathematics until the middle 1930's, would write in chalk on the blackboard at the conclusion of a calculus problem "Q.E.D." This meant "Problem is

solved" in Latin but some students who had flunked the course claimed it meant "Queer Epileptic Dean." In some correspondence I had with Professor Dean, I once added at the conclusion of my letter the smart aleck sentence "Is the integrater still grating?" His reply was prompt and brief. It said, "You have misspelled the work integrator."

Some Vivid Personal Reflections

The St. Pat's parade, dance and general celebration in March in honor of St. Patrick, patron saint of all engineers ("for he surveyed the Golden Gate and made the path to Hell so straight") was always the big event of the year at the School of Mines. The fraternities and clubs had chaperoned House Parties when the boys moved out and turned their rooms over to their girls from out of town. Homer Hollingshead of Hannibal, MO, and I were best friends all through school and during our senior year in 1921 we roomed together in the Sigma Nu House. At our last St. Pat's celebration we both became involved with the same girl and after that scarcely spoke to one another. She married someone else.



After graduation in 1921, Bill Netzeband and I got jobs on the Illinois State Geological Survey at Urbana in coal mining work. There were six principal coal seams in southern Illinois and our job in a party of three (the third member was from the University of Chicago) was to go underground in various mines in the southern part of the state and cut samples of the coal seam to send to the headquarters at Urbana for B.T.U. heating evaluation. We worked in fifty mines that summer and had some pretty bad scares. The worst one was in a mine near Harrisburg in eastern Illinois where the coal mines are all pretty gassy. On entering a room in the mine to cut some samples, there was a sudden whoosh as gas, which had accumulated at the top of the room, caught fire from Bill Netzeband's carbide cap lamp. We all fell to the floor and covered our faces for it got pretty hot. I took a look up and saw long stringers of blue snakes writhing around like a bunch of snakes at the ceiling. But fortunately for us, they burned out. None of us were hurt but, needless to say, we had an awful scare.



The team and coaches. Left to right: Asst. Coach W. H. Saunders. Capt. R. L. Mountjoy (end), J. G. Wilson (c.), J. C. "Eggie" Miller (c.), C. F. Copley (t.), Earl Freeman (f.b.), W. H. Askew (g.), C. C. "Pitts" Bland (h.b.), W. O. Brandenberger (t.), E. H. Long (g.), J. L. Imlay (h.b.), W. W. Kiskaddon (g.b.), E. A. "Kelly" Miller (end), Coach Thos. Kelly. Homer Houston played "tackle" on the main team.

Frank Mackaman Honored

As years go, this has been a pretty good year for Frank Mackaman. His three boys are all through school—and working. The MSM-UMR Alumni Association presented him with a surprise award at Homecoming, his 93-year-old mother came to Rolla for a Christmas visit, the first grandchild is expected soon, and this January he was honored by his colleagues in the profession.

This last honor was bestowed at the Awards Banquet held at the annual conference of Mid-America District VI of the Council for the Advancement and Support of Education (CASE) which took place Jan. 7, in Sioux Falls, SD. Frank received the Distinguished Service Award in the field of alumni relations.

The CASE Mid-America district is composed of professionals in the fields of alumni relations, development and public information from 181 colleges and universities in Missouri, Iowa, Kansas, Colorado, Nebraska, Wyoming, North Dakota, and South Dakota. Frank has been a member of the group for the past 18 years and has served as program chairman and participant at many of the district meetings.



FRANK MACKAMAN

Frank Mackaman is a native of Des Moines, Iowa. He enrolled at Drake University in Des Moines, but his education was interrupted by a hitch in the Navy during World War II. He received his A. B. degree from Drake in 1947 and spent the next several years on the road for Procter and Gamble.

In 1960 he became director of alumni activities at his alma mater, and in 1968 he and Nancy moved the family south when Francis "Ike" Edwards persuaded him to join the MSM-UMR Alumni Association.

At UMR Frank began as field representative, became director of alumni activities and executive vice president of the Association, and early this year was named director of the alumni-development office in addition to his executive vice president title. (See reorganization story elsewhere in this issue.)

In his remarks of response at the awards banquet in Sioux Falls, Frank said, "I am extremely pleased to receive this award from my professional colleagues. If I have had any success in my

endeavors, it is due to the efforts of the volunteers who are active in the support programs of the University and the Association. I would be remiss if I did not recognize the further support of a non-volunteer, my wife of 31 years, Nancy."

It has been a big year. But, knowing Nancy and Frank, it is just the beginning of another year of hard work and accomplishments, a lot of travel, and friendly reminders to alumni and associates of the programs, goals and students at UMR.

Nominating Committee Solicits Suggestions

Bob Klorer, '44, requests suggestions of nominees be forwarded to the alumni office. A list of current officers and directors is carried on the back. Positions with a 1979 expiration date will require action. You are reminded that area directors must live in the area they represent and that officers must have served as directors for at least two years prior to nomination. All candidates for of-

ficer of director must have been contributors to the Alumni Association for at least two years immediately prior to nomination and must have an earned degree from MSM/UMR.

Mailing address is:
MSM-UMR Alumni Association
109 Harris Hall
University of Missouri-Rolla
Rolla, MO 65401

My Alma Mater

Continued on page 18

I wanted to be a newspaper cartoonist in high school and had illustrated the Rollamo while in college. This seemed like the time to find out whether I had the talent necessary, so I decided to leave the Survey and enroll at the Chicago Academy of Fine Arts during the fall of 1921. This was a wonderful experience, but at the close of the semester I decided I didn't want to spend my life over a drawing board and maybe wasn't good enough to make a success of it anyway. My brother, Malcolm, who was then an oil company official, got me a job in Ft. Worth, Texas, running the Aliade (a surveying instrument) for Robert S. Burg, a consulting geologist and M.S.M. graduate, Class of 1916. This outdoor adventuresome life had a great appeal.

After going to Texas on the above described job, it developed that the rest of my life, up to now, was to be spent doing geological work related to oil in Texas and adjoining states, and to finally wind up as a small independent operator. I married a Texas girl, Ruth Elizabeth Cockrell, a native of Dallas, and we have three children and ten grandchildren. We live in Dallas.

I often reflect on how fortunate I was in having graduated from the Missouri School of Mines and Metallurgy, where I learned how to do field geology and was thus able to have a satisfying career in the oil business. The associations I made at Rolla have stayed with me for life and helped so much to make it all thrilling and worthwhile.

*The author would like to thank Robert M. Brackbill, '42, Senior Vice-President of Texas Pacific Oil Co. in Dallas and a past president of the MSM-UMR Alumni Association for his helpful suggestions. My Alma Mater has been condensed somewhat because of space limitations. A section dealing with Karl Hasselmann, '25, will appear in a future issue of the MSM Alumnus.

January 26, 1979

Dear Alumnae and Alumni:

Elsewhere in the ALUMNUS is a report of the campus reorganization plan announced recently by Chancellor Joseph Marchello. Local release of the story prompted some questions about my status in the new organization, and on the off-chance someone reading this has those same questions, a word of explanation may be in order.

For some years now I have carried two titles, one conferred by the Board of the MSM-UMR Alumni Association and the other my official UMR title. In recent years my relationship to the Association has been reflected in the Executive Vice President designation, and to UMR, Director of Alumni Activities.

When the Chancellor discussed with me his plans for the areas with which I am most familiar, alumni and development, and tested my willingness to assume some additional responsibilities, we rapidly reached agreement on a point which was essential to the decision I subsequently made.

In the new organization my first assignment continues as Executive Vice President of the Association. My additional assignment, Director, Alumni-Development, will give me the opportunity to extend the relationships I have had with alumni to other individuals and groups interested in the University.

I am pleased the Chancellor has given me this opportunity and that the Association officers have endorsed my acceptance. Nancy and I view the future with confidence--confidence based in the wonderful cooperation and friendship we have shared with so many of you over these past ten years. We can ask for nothing better than more of the same, for surely that will allow successes in the future.

Sincerely,

Frank

Frank Mackaman

bkp

Frank Mackaman
Executive Vice President
MSM-UMR Alumni Association
109 Harris Hall
University of Missouri-Rolla
Rolla, Missouri 65401
314-341-4172

Engineering Management Trust Established by Ed Smith

Edward A. Smith, '24, of Tulsa, OK, has donated a \$250,000 trust to the UMR engineering management program for support of teaching & research, to assist student financial aid and as a contribution for a new building. Chancellor Joseph M. Marchello announced the gift at the UM Board of Curators meeting on January 19.

The perpetual charitable trust is entitled the UMR Engineering Management Trust and is established at the Fourth National Bank of Tulsa. It will be funded over three years. Of the total, \$150,000 is dedicated to capital construction, with UMR seeking additional private and state support to fund a \$1.5 million engineering management building.

"We are extremely grateful to Ed Smith for his generosity and support through this gift," Chancellor Marchello said. "Ed has been faithfully supporting his alma mater for years, and this represents but one more example of his strong faith in this nation, its educational and free enterprise systems." Professor Bernard R. Sarchet, engineering management chairman, explains, "Ed Smith's gift will be a major factor in the continued growth of the engineering management department. The faculty and future students will be grateful beneficiaries of his vision and generosity."

Smith, 83, is chairman of the board of the Service Drilling Co., of Tulsa and owner of EASCO, an oil producing



EDWARD A. SMITH, '24

company in Oklahoma. Born in Rich Fountain, MO, Ed grew up working his father's farm. After serving in the U.S. Army in World War I, he attended MSM until 1924. In 1972 Ed was awarded the professional degree of engineering manager by UMR, and he received the Alumni Association's Service Award in 1975.

Ed Smith has served MSM-UMR in many capacities, including the chairmanship of the UMR Development Council from 1973 through 1975 and is presently a member of that council's executive committee. He is also a founding member of UMR's major gift club, the Order of the Golden Shillelagh.



JUNIOR ACHIEVEMENT

Past President Honored

Paul T. Dowling, '40, past president of the MSM-UMR Alumni Association and chairman and chief executive officer of Nooter Corporation has been honored with the Hermann E. Spoehrer Award for his "dedicated service and untiring efforts in securing and influencing financial assistance for Junior Achievement which have contributed immeasurably to its growth and strength." He received the award from G. Duncan Bauman, president of Junior Achievement of Mississippi Valley at a fund kickoff breakfast January 15. Paul has been a member of the Junior Achievement board of Directors since 1976.

4,648 Enrolled at UMR For 1979 Spring Semester

A total of 4,648 students have enrolled at the University of Missouri-Rolla at the close of regular registration Tuesday, Jan. 9. This is an unofficial total since late registration is still under way.

The 4,648 total compares to an enrollment of 4,302 at the close of regular registration last year, a gain of 346 students.

According to Robert B. Lewis, director of admissions, weather conditions af-

fecting enrollment, to some extent, both years.

Not included in the count are students at the UMR Graduate Engineering Center in St. Louis, those enrolled in out-state credit courses and those students in the cooperative training program who are now in their work semester.

Spring semester classes began Thursday, Jan. 11.

UMR Receives NSF Grant For Ozark Region Study

The National Science Foundation (NSF) is supporting a study, in the amount of \$44,585, entitled "Continuing Education Needs for Engineers/Scientists in the Three State Ozark Region." The study will be made by three land grant institutions in the area—the University of Arkansas, Fayetteville; University of Missouri-Rolla, and Oklahoma State University, Stillwater.

Dr. John Amos, director of the Center for Applied Engineering Management at UMR will serve as principal investigator for the project. Co-directors are: Frank E. Burk, assistant professor of industrial engineering, University of Arkansas; Dr. Dan Babcock, professor of engineering management, UMR; Dr. James E. Shamblyn, director of the Center for Local Government Technology and Charles Maule, also of the center, at Oklahoma State University. Each of the co-directors will call upon other faculty in his institution and a team of graduate students to assist in implementation of the program.

"During the past century, an increasingly industrialized economy in the country has drawn population from the rural areas to manufacturing areas centered around large cities," Dr. Amos says. "This has been particularly true in the Ozark Region, an area not well suited to modern agricultural advancements.

"In the past decade or two, however, the trend has started to reverse. With modern transportation and communica-

tions, industry is finding it advantageous to move out of the large industrial areas into regions offering less expensive job markets and the aesthetic advantages found in smaller urban communities.

"Industry depends on key technical personnel," he continues, "such as plant and production engineers, quality control engineers, and/or research and development scientists. Some operations, such as mining and utilities, require a considerable number of technical personnel. Because technical knowledge changes so rapidly, these people who have moved to the more rural regions have a real problem in updating their training or knowledge, maintaining their professional competency and learning new skills."

The three land grant universities in the Ozark Region have the capacity to help these industries with the problem. The NSF study is designed to identify specific areas of need, and investigate the most practical methods available to provide means of fulfilling the needs for this particular segment of personnel.

Faculty and students from all three institutions will decide what specific information is needed. Then, through individual contact with a scientifically chosen sampling of the industries involved in each state, they will define the needs the propose methods of solving the continuing education problems.

Once the study is completed, each institution—separately or together—will make plans to implement the results.

Inserted in this tabloid issue of the MSM ALUMNUS is a gift-card-envelope for you to use to forward your gift to the 1979 Annual Alumni Fund.

Please include all information requested, as the 1979 card will be one of the source documents for the 1980 ALUMNI DIRECTORY

Honor Societies Initiate UMR Students

PHI KAPPA PHI

The UMR chapter of Phi Kappa Phi, national honor society, initiated a total of 25 new members at its annual fall initiation banquet in November. Phi Kappa Phi was founded in 1897 as the first honor society to recognize superior scholarship in all fields of study. Its members are selected on the basis of scholarship and character, regardless of academic discipline. Only those in the top ten percent of their class are eligible for membership. Regular initiates are juniors, seniors and graduate students. New members are: Richard John Lesser, Ballwin, MO, a graduate student in engineering management; Richard W. Griner, Belton, a junior in chemical engineering; Kirk R. Hastain, Bolivar, a graduate student in civil engineering; Douglas N. Monnig, Ferguson, a junior in engineering management; Randall Joseph White, Festus, a senior in chemistry; Michael Carpenter, Florissant, a junior in electrical engineering; Patricia R. Stout, Ft. Leonard Wood, a senior in history; Mark Dwain Carter, Gallatin, a senior in nuclear engineering; Mark F. Timmerman, Jefferson City, a senior in computer science; Deborah J. Carleton, Kansas City, a senior in mathematics; Dennis R. Webb, Manchester, a senior in electrical engineering; Cynthia L. Diedrich, Overland, a junior in geological engineering; Juan C. Marquez, Rolla, a senior in civil engineering; Diane S. Nau, Rolla, a junior in English; Michael Van Bredemann, St. Louis, a junior in electrical engineering; Richard C. Proehl, St. Louis, a junior in chemical engineering; Raymond D. Quimby, St. Louis, a senior in electrical engineering; Mark A. Kincy, Sikeston, a senior in mechanical engineering; Steve Westerhouse, Springfield, a junior in electrical engineering; Barbara Sue Feeney, Sullivan, MO, a junior in psychology; David Michael Davis, Leavenworth, KS, a graduate student in civil engineering; Bruce S. Bales, New London, NC, a senior in mechanical engineering; Michael D. Stump, Dayton, OH, a graduate student in engineering management; Timothy K. Ellison, Tulsa, OK, a senior in chemical engineering; and Karen S. Avery, Fairfax, VA, a senior in computer science.

AIChE Awards

The UMR student chapter of the American Institute of Chemical Engineers (AIChE) has been notified by the national organization that it has received its seventh annual Award of Excellence. The UMR chapter was chosen for the 1977-78 award from among the 130 student chapters in the country because of its participation, enthusiasm, professionalism, program quality, and involvement in the University and community.

Dr. Harvey H. Grice, professor emeritus of chemical engineering at UMR, has been selected to receive the Outstanding Counselor Award by AIChE. He is one of five honored in the country. Dr. Grice, who retired in May 1978, also received the award for the 1972-73 academic year.

The awards will be officially presented by a representative of the national AIChE organization at the annual chapter award meeting during second semester.

CHI EPSILON

Sixteen student members and one chapter honor member were recently initiated by the UMR chapter of Chi Epsilon, national civil engineering honor fraternity. Members are selected on the basis of scholarship, character, practicality and sociability. Maj. Gen. Wesley E. Peel, commanding general of the U.S. Army Training Center Engineer and Ft. Leonard Wood, was made chapter honor member, the highest honor awarded by a chapter. A 1958 MSM graduate, Peel was originally initiated by the MSM chapter as an undergraduate. Student initiates were: David Lewis, Farmington, MO, who receive the outstanding civil engineering senior award; Kirk R. Hastain, Bolivar; Keith Horton, Bridgeton; Kent Henson,

Cape Girardeau; Michael R. Schaefer, Florissant; Mark Krahenbuhl and Brian Snyder, Independence; James Westerman, Jefferson City; Kathy Phillips, Joplin; Kevin Eisenbeis and Jerry W. Shirley, Kansas City; Edward Englehart, Mehlville; Rick Louiselle, Springfield; Gregory Mertz, St. Charles, MO; Michael McEvelly, Newburg, NY; and George H. Miller, Rock Springs, WY.

PI TAU SIGMA

Initiation of 27 members has been announced by the UMR student chapter of Pi Tau Sigma, national mechanical engineering honor society. Members are chosen on the basis of scholarship. New members are: Anita J. Benschop, Charles Linck and Brian Carlson,

Ballwin, MO; Charles W. Leibbrandt, Cameron; Mark Runge, Catanissa; Johnie R. Trousdale, Charleston; Neal Shearer, Chillicothe; Harlen Duane Meyer, Creve Coeur; Kathy L. Schroer, Des Peres; Jimmie Dean Adkins, Dexter; David Hengel and Karl Yeager, Florissant; Robert J. Been, Hillsboro; Mark G. Lippe, Independence; Kenneth R. Schmid, Kansas City; J. Scott Jepsen, Kirkwood; Rick Lee Fry, Mountain Grove; Mark L. Felzien, Raytown; Lawrence W. Bell, Sedalia; Steven J. Hilpisch, St. Charles; James Towery, St. Clair; Brian Edwards and Susan H. Potthast, St. Louis, MO; Paula Ann Snyder, Red Bud, IL; David W. Stahl, Calvert City, KY; Steven Lightbody, Kingwood, TX; and Bahman Gharib, Tehran, Iran.

Alumni-Student-Faculty Conference

The annual Alumni-Student-Faculty conference will be held on the UMR campus Thursday and Friday, April 26th and 27th. This conference allows students, faculty, and alumni to meet together in a congenial setting to discuss various problems. The A-S-F conference, first held in 1972, is a learning experience for all concerned. The program features alumni who have returned to UMR at departmental invitation to share their knowledge. These alumni will be able to share their experiences with students and faculty while examining the attitudes of future engineers first-hand. In this way, classroom and "real world" can be brought closer together. The banquet on Thursday night will include the presentation of certificates to educational assistants and alumni scholarship recipients. Chancellor Joseph Marchello will be the featured speaker. The schedule below is

somewhat tentative for Friday since some departments may change the format to allow for the best use of alumni expertise. Last year there were 180 participants in the conference. Bill Flood

serves as Association chairman for the event. The campus coordinating committee is chaired by Ted Planje and includes Paul Munger and Frank Mackaman.

Tentative A-S-F Conference Schedule

Thursday, April 26

5:50—Social Hour—University Center Centennial Ballroom

6:30—Banquet

8:00—Presiding—Joseph Mooney, President MSM-UMR Alumni Association
Speaker—Joseph Marchello, Chancellor, UMR

Friday, April 27

9:00—Campus tour for Alumni (optional)

10:00—Coffee break in departments

10:30—Dept. Chairman's opening statement, followed by A-S-F panel discussion

12:00—Luncheon—Univ. Center, Centennial Ballroom, Remarks by Joseph Mooney

1:45—Open departmental discussion & selection of departmental representatives for terminal conference

3:30—Terminal conference with College and School Deans at the option of the deans and chairmen



CURTIS LAWS WILSON

Library Named For Late Dean

The UM system Board of Curators approved on Dec. 15 a request to name the library on the Rolla campus the Curtis Laws Wilson Library in honor of a former chief campus administrator who died last August.

Curtis Laws Wilson, whose academic background was in mining and metallurgical engineering, became director and later dean of the UM School of Mines and Metallurgy in 1941. Dean Wilson served as the institution's highest ranking administrator until the school became one of four UM campuses in 1963.

The UMR library, a four-story building with over 80,000 square feet, was completed in 1969. It houses more than 300,000 volumes, mostly technical, and 2,000 periodicals. It is the largest engineering library in the state.

Dedication of the Curtis Laws Wilson Library will take place during Founders' Day Activities on the UMR campus on March 3.

**MSM-UMR Alumnus
Welcomes
Pictures With
News Items**

SPORTS

BASKETBALL

The new year hasn't been too good to the Miner Basketball Team as they have compiled a record of two wins and six losses.

In the opening round of the MIAA Tournament, the cagers dropped a hard fought 81-68 decision to Northeast Missouri State, the second place finisher. Senior Dennis DeBondt scored 21 points and had 10 rebounds while Calvin Horhn chipped in 16. Northwest Missouri State provided the opposition for the second game as the Miners prevailed 88-86 in two overtimes. All MIAA Tournament selection Calvin Horhn put on an outstanding offensive show with 32 points. He was backed up by Gary Riechmann with 11. In the third game of the tournament, Southeast Missouri State defeated UMR by a score of 62-54 in a rather lackluster played basketball game. Derek Nesbitt and Jeff Kipp led the Miners with 13 and 12 points, respectively.

UMR returned home on January 8th to take on the William Penn Statesmen, battling to a 71-64 decision. The bench played an important role in this ball game as Gary Riechmann, Rick Fuerman and Joel Schreiner came in to score 15, 11 and 10 points to lead the Miner scoring.

On January 11th, the cagers traveled to Southeast Missouri State and played the tough Indians. They lost 78-61 despite 16 points by Calvin Horhn and 13 points by Dennis DeBondt.

Coming home to face the always tough Lincoln Blue Tigers (MIAA Tournament Champions) was a task the Miners were not up to and they dropped a 69-52 decision. Even in the loss, Derek Nesbitt showed signs of greatness by scoring 18 points. He was backed up by Dennis DeBondt's 11.

On January 19th UMR set sail for the north country to play Northwest and Northeast Missouri State. As had been the case in the last three basketball games with NWMS, this was another overtime. This time the Bearcats prevailed 84-83, winning with no time left on the clock. Phil Blount (NWMS) sank two free throws for the Bearcat win. This was an extremely hard loss to accept. Derek Nesbitt led all scorers with 28 points and 7 rebounds. Rick Fuerman added 12.

Traveling east across the state, the Miners tackled NEMS (MIAA leader) on Monday. Despite an outstanding performance by Derek Nesbitt, 26 points, the quick Bulldogs won 82-71.

To date, Dennis DeBondt leads the Miners in scoring with a 15.1 average game followed by Derek Nesbitt, 14.8, and Calvin Horhn, 11.3. DeBondt and Nesbitt share honors in the rebound department with 6.9 per game.

WOMEN'S BASKETBALL

The UMR Women's basketball team has reached the halfway point in their season posting a 6-3 record overall, and a 2-1 record in district play. Coach Caruso is pleased with the progress of her team, especially as it is "a very young team" comprised of 7 freshmen, 1 sophomore, 2 juniors and 1 senior.

Senior tri-captain Dallas Kirk leads the Miner Women in total scoring and rebounding, thus far this season, with 170 points and 139 rebounds. Not far behind is another of the tri-captains and the sparkplug of the team, Karen Peacock, who has poured in 112 points and pulled down 57 rebounds. Freshman stand-out Carmen Baker is the third highest scorer this season, with 105 total points and 64 rebounds. Karan Williamson, the team's other tri-captain and chief ballhandler, holds the highest percentage in free throw shots, hitting 65% from the free throw line.

Coach Caruso describes this year's team as "very flexible". She makes good use of this flexibility by giving the starting nod to several of her freshmen women, depending on the type of team the Miners are up against and the tempo Caruso wishes to set for a particular game. Becky Ommen gives the Miners a steady boost with her accurate shooting under pressure. Tina Walker, the shortest member of the Miner team, is nonetheless a valuable asset when the game plan calls for quick pressure defense. For an extra measure of rebounding power, Coach Caruso calls on Valerie Lewis.

Other members of the Miner team also have their individual contributions to make, giving the team the strength and spirit it needs. Freshman Diane Murry has been able to give Dallas Kirk a break at the center position in several games. Zhetta Thomas, now sidelined with an ankle injury, plays an important role in Caruso's defensive strategy, especially in fast moving games. Guards Pat Kelly, Marie Holmes and Chris Barkey have also been able to step in and give the Miner starters a breather this season, although they have seen rather limited action because of the abundance of guards on the team this year.

The Miner women begin the second half of their season with "high hopes for going to the State Tournament", an honor achieved by the top two teams in each of the 4 Districts in the state.

WRESTLING

Two seniors are providing the leadership for the Miner Wrestling Team this season. Larry Wetzel, 4th year letterman, 150 pounder, started slow but has come on to win 8 straight matches and the championship in the MacMurry Invitational Tournament held January 12-13 in Jacksonville, IL, as well as the championship in the Miner Classic held January 19-20 in Rolla. Larry's overall record now stands at 8 wins-3 losses, while leading the team in 5 of the 14 individual statistics kept by Coach Joe Keeton.

Joe Kinsella, the Miners' super strong heavyweight is the other pacesetter. He owns a 6 win-2 loss record and a second place finish at Jacksonville, and leads the team in 3 individual statistics. Joe, who doubles as a defensive tackle for the Miners on the gridiron, was injured and had to withdraw from the Miner Classic, costing him a sure medal in that competition.

The Miners as a team finished 8th out of 18 teams at the MacMurry Tournament, and fourth in their own classic.

SWIMMING

The Miner swimming season to date has been characterized by extreme highs and lows. The swimming team opened its 1978-79 season with a 5th place finish in our own Miner Relays. The top UMR team, composed of senior Dick Erickson, sophomore Steve Adams and freshman Scott Lampert, finished third in the backstroke event. The divers started the beginning of an excellent season with a 5th in 1 meter diving and a 4th in 3 meter. Overall winner of the meet was Southern Illinois University, a Division II powerhouse.

The next outing for the Miners was a very disappointing effort at the Big 8 Relays held in Norman, OK. The Miners were held to 5 points, all scored by divers John Dolan, senior, Ray Gill, freshman, and the backstroke relay of Erickson, Lampert and sophomore Bob Olson.

The highlight of the season came in a telephone meet against Eastern Illinois University just before final exams. Top Miner performer in the dual meet was Erickson who led off the 400 medley relay with a national qualifying time of 55.48 in the 100 meter backstroke, coming back to qualify in the 200 meter backstroke with a time of 200.04. Both times were UMR pool records. Two varsity records were also set in the meet: senior captain Matt Heinicke established a new standard in the 200 meter breaststroke with a time of 216.94 and sophomore Phil Dancer set another new

varsity record with a 22.54 in the 50 meter freestyle.

The up and down season continued into the second semester. The first meet of the semester with Central Missouri State was cancelled because of snow. The following weekend the Miners played host to Southeast Missouri State and St. Louis University in back to back dual meets. The weekend began with a 59-52 loss to Southeast, the first dual conference meet loss by UMR since 1973. The two bright spots in the loss were Ray Gill in 3 meter diving, as he established a new varsity record of 266.50 points, and freshman Paul Stricker who won the 1650, finished 3rd in the 400 individual medley and second in the 500 freestyle, all within a space of two hours. The following day the Miners rebounded against the St. Louis University squad with a convincing 74-37 win. Double winners for the Miners were Gill on both the 1 and 3 meter diving boards, Stricker in the 200 butterfly and 500 freestyle, and Erickson in the 200 individual medley and 200 backstroke.

The Miner swimmers are looking forward to finishing the season with improving times and are working diligently in quest of their 6th straight conference title to be contested at Northeast Missouri State the first weekend in March. Two weeks later the national qualifiers will compete for All American honors at Northern Michigan University in the NCAA Division II National Championships.

Army Briefing Team

Explains Weapons System

A three-man briefing team from the U.S. Army Training and Doctrine Command (TRADOC), Fort Monroe, Va., visited the University of Missouri-Rolla Dec. 5-8, to present informational programs about all phases of the army's weapons systems at several public and civic group meetings in the Rolla area.

Sponsored by the UMR ROTC unit, the team offered a multimedia presentation explaining TRADOC's "total management system" to UMR students, the Waynesville Kiwanis Club and Rolla Lions Club. The public was invited to attend.

The program explained the "total management concept" of army weapons systems, equipment, doctrine and training. TRADOC leaders maintain a constant review of changing technology, doctrine, and tactics of modern warfare.

Tests and evaluations of weapons systems are made and training materials, maintenance manuals, logistics systems and plans for effective use of the weapons are developed. Expanded training of personnel takes place, and further testing and evaluation is made in field units all over the world.

From Time To Time the Alumni Association is Approached by Companies Interested in Marketing Their Services to Alumni. Group Life Insurance and Sponsored Travel Tours are the Most Frequent Suggestions. So, Drop Us a Card, Let Us Know How You Feel About These Programs. If There Is Enough Interest, We Will Do Some In-Depth Investigating. Address: 109 Harris Hall, University of Missouri-Rolla, Rolla, Mo. 65401

Two UMR Seniors Hit Jackpot at Las Vegas

Two graduating seniors at the University of Missouri-Rolla sported brand-new suntans under their mortarboards at winter commencement Dec. 17.

They are Norman Haas, son of Mr. and Mrs. Albert Haas of Lecomma Star Route, Rolla, and John Stolwyk, son of Mrs. A. L. Stolwyk of 472 Pasadena, Webster Groves.

The two mining engineering seniors spent the week before commencement basking in the sun at Nassau in the Bahamas. The best thing about it, they say, is that it was all free. Haas and Stolwyk won the trip as high scorers for the week in a quiz show, "Mining for Dollars," at a recent American Mining Congress meeting in Las Vegas. Along the way, as game winners and high point winners for the day, they picked up such prizes as a blender, a radio, and \$200 each in cash (in lieu of a color television set they won jointly).

"Mining for Dollars" was part of an advertising program of Ingersoll-Rand. Contestants chose from six categories. They were given a clue to some piece of equipment manufactured by Ingersoll-Rand, and points were based on the difficulty of the question. In the two games they played, the UMR team missed only one question.

"We went for the high-point clue every time," Stolwyk says. Their strategy paid off. Their total score (740) was so high that it went off the scoreboard, which recorded only to 690.

There was one question that Haas says he didn't dare miss. The clue was "a partial or broken game of tennis." The correct answer was "split set," a special type of roof bolt used in underground mines. The bolt, which is manufactured by Ingersoll-Rand, was invented by a UMR faculty member, Dr. James J. Scott, adjunct professor of mining engineering.

The students base their success on having become familiar with mining equipment and procedures in class, in their summer work, and on a quick cram course looking over Ingersoll-Rand equipment displayed at the meeting—and a lot of luck.

Their professors say that it didn't hurt at all that they are both good students and able to handle themselves in front of an audience (both have been presidents of the UMR chapter of the Society of Mining Engineers and have held other offices in student organizations).

Besides winning all those prizes, the UMR team admits to a certain feeling of pride in having outscored students from



Senior John Stolwyk and Norman Haas hit the jackpot in Las Vegas. (Stolwyk & Haas are also pictured on the front cover)

at least two other schools of mining engineering who were eliminated in their first round of competition.

After the trip and graduation, the two will be settling down in their permanent

engineering jobs. Haas started work Jan. 9 with Rocky Mountain Energy Co., Denver, where he worked last summer. Stolwyk is in the process of choosing from several offers.

Physics Textbook Written By Father-and-Sons Team

When three members of a family are physics professors and they get together and compare notes, some lively discussions follow.

For the Fuller family of Rolla, Mo., these discussions resulted in a textbook. Nicknamed "Fuller Cubed," the father-and-sons team are authors of "Physics Including Human Applications" published by Harper & Row in August.

The cube roots of "Fuller Cubed" are: father, Dr. Harold Q Fuller, dean and physics professor emeritus at the University of Missouri-Rolla where he was physics department chairman for 23 years; and sons, Dr. Richard Fuller, chairman of the department of physics at Gustavus Adolphus College, St. Peter, Minn., and Dr. Robert Fuller, '57, professor of physics at the University of Nebraska, Lincoln.

The book came about because all three of the physics professors were teaching similar courses—for the general physics student who had not taken calculus—and they discovered a need for the textbook especially suited to the premed and life science student. Work started in 1973 and continued whenever and wherever the three could get together, "from the cornfields of Iowa to the Chinese restaurants of San Francisco," says Robert, and by telephone and mail.

"At the beginning we assigned ourselves modules according to topic," H.Q. says. "These later became chapters, but we all advised and modified until there isn't a chapter that doesn't represent input from all three."

He adds, "We originally thought in terms of a textbook, but when we talked to a publisher, they asked for additional manuals."

The resulting instructional package includes an 812-page textbook, a 136-page laboratory manual, a 249-page instructor's manual, and a 290-page student study guide. The lab manual was

written largely by Richard, and it and some of the book have been in use at Gustavus Adolphus and the University of Nebraska for several years. The recently published text is being used this year at UMR and in several other colleges and universities in the United States and Canada.

"Fuller Cubed" will be honored at a publisher's party at the annual meeting of the American Association of Physics Teachers and the American Physical Society in New York City in January. And the senior Dr. Fuller, who has been honored many times by his profession, will receive an honorary doctorate from his alma mater, Wabash College, in May.

With the textbook out of the way, what do the three Fuller physicists talk about when they get together?

Physics, of course. When, as Richard puts it, "Physics is viewed as an exciting human activity by all of us," it's natural.

Is another textbook in the making?

Dr. H.Q. admits that they have some ideas, but adds, "Maybe Bob and Dick will write it this time, and I'll just consult."

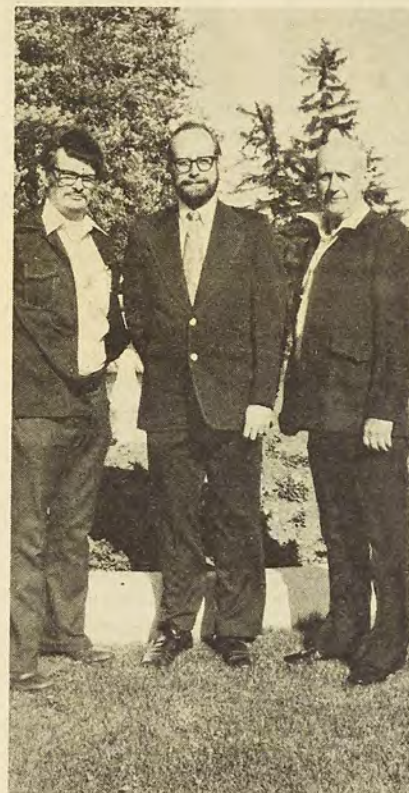
But the "Fuller Squared" members of "Fuller Cubed" don't see it that way.

UMR's Dr. Lee J. Bain

Author of Book

Dr. Lee J. Bain, professor of mathematics at the University of Missouri-Rolla, is author of a book published in November by Marcel Dekker, Inc., New York City.

Entitled "Statistical Analysis of Reliability and Life-Testing Models," it is designed as a reference book to enable scientists with a minimum of statistical training to carry out data analysis. The book includes exercises and is also



RICHARD, ROBERT, H.Q.

"We have 80 years of combined teaching experience and we certainly aren't going to ignore half of it," they say.

designed as a textbook for courses on methods, inference, and reliability in statistics departments or for courses in applied departments such as industrial engineering or engineering management.

Dr. Bain received his undergraduate and graduate degrees from Oklahoma State University. He has been a member of the UMR faculty since 1963.

Rolla Graduate Center In St. Louis Picking Up Steam

Rolla graduates living or working in the St. Louis area have an edge over their fellow alumni in many other locations in the nation. Rolla has established a Graduate Engineering Center on the UMSL Campus to provide evening engineering courses at a convenient time so that studies can be continued toward a Master's Degree, a Professional Development Degree, or merely for continuing education on a credit or audit basis.

The UMR Graduate Engineering Center in St. Louis is the largest such operation in the midwest and approximately 30 engineering courses are offered each semester with a total enrollment of about 450.

Admission to these graduate level programs are identical with those at Rolla and, in fact, all the requirements are the same, including simultaneous comprehensive examinations and commencement exercises. Approximately 98% of the companies employing the UMR engineering students in St. Louis pay all or part of their educational expenses.

Classes are held from 6:45 to 9:30 p.m. on a one-night-a-week basis. Over 900 students have received Master's Degrees and a smaller number have received the Professional Development Degree, an additional graduate degree available from the University of Missouri-Rolla.

Approximately ten different graduate programs are currently being offered. These are aeronautical engineering, civil engineering, environmental engineering, electrical engineering, engineering management, engineering mechanics, mechanical engineering, metallurgical engineering, and computer science. Persons interested in obtaining literature and application blanks may write to the UMR Graduate Engineering Center, 8001 Natural Bridge Road, St. Louis, MO 63121, or phone (314) 453-5431.

Section News

Cape Girardeau

A Miner basketball game provided a reason for an alumni gathering in Cape Girardeau on January 11. Bob Patterson ably handled the local arrangements, but horrible weather and a worse forecast made for a light turnout. After watching a disappointing loss to the Cape Indians, the group returned to the Howard Johnson's to drown their sorrows. In attendance were Leo & Shirley Hindman, '52, Cape Girardeau; David Hilt, '77, Cape Girardeau; Frank & Nancy Conci, '54, Golconda, IL;

Roger Wagner, '65, Cape Girardeau; Glenn Staley, '44, Carbondale, IL; Mike and Tonya Watkins, '76, Carbondale, IL; Jack Rickart, Cape Girardeau; Carney C. Fesler, '46, Cape Girardeau; Rex Lee Medlock, '71, Kennett, MO; Jan & C. P. "Punch" Bennett, '54, Sikeston, MO; W. C. Hawn, '76, St. Louis, MO; Bob and Martha Patterson, '54, Sikeston, MO; and Nancy and Frank Mackaman and John Theilmann, '71, from Rolla.



24/MSM-UMR Alumnus



Meeting Data

EVENT/SITE	DATE
AIME.....	February 20, 1979
Beef Eaters Restaurant, Phoenix	
ARIZONA.....	March 10, 1979
Phoenix	
HOUSTON-ST. PAT'S.....	March 16, 1979
Busch Gardens	
TULSA.....	March 31, 1979
Summit Club	
ALUMNI-STUDENT-FACULTY CONFERENCE.....	April 26-27, 1979
Rolla	
SEMI-ANNUAL BOARD MEETING.....	April 28, 1979
Rolla	
REUNION—CLASS OF '29.....	May 11-12-13, 1979
Rolla	
AMERICAN MINING CONGRESS.....	May 22, 1979
St. Louis MAC	
HOMECOMING 1979.....	October 12-13
Rolla	
ROCKY MOUNTAIN LUNCH.....	First Tuesday
Denver Petroleum Club	
BARTLESVILLE LUNCH.....	Third Friday
Cafeteria Conference Room, Adams Building	

ATTENTION: Please notify Alumni Office of your meeting arrangements.



**More Scenes From
Cape Meeting**



**Inserted in this tabloid issue of the
MSM ALUMNUS is a gift-card-envelope for
you to use to forward your gift to the
1979 Annual Alumni Fund.**

**Please include all information requested, as the
1979 card will be one of the source documents
for the 1980 ALUMNI DIRECTORY**

Attention Alumni

Buy your GREEN! Yes folks, it's that time again. A time of craziness and wildness that formed some of your best memories of dear old Rolla, MO. Help renew these memories by purchasing your 1979 St. Pat's Green.

If you're staying at home this year, wear your 1979 Green to the local Irish pub, and show the patrons how St. Pat's ought to be celebrated. If you are coming down to Rolla, you will want to buy your Green so that you won't be the only person without a 1979 sweatshirt at the Parade and at the Knighting Ceremony.

This year, we will be selling the usual sweatshirts, buttons, garters and bumper stickers. In addition, we have added St. Pat's baseball caps, green derbies, and a 32 oz. metal mug with a special design on it. A price list is shown below. Any questions or orders can be sent to the Historian at the following address:

St. Pat's Board
University of Missouri-Rolla
c/o Student Center
Rolla, MO 65401
Attn. Historian.

Remember, whether you will be making the long trip back to Rolla or even staying at home this St. Pat's, you won't want to miss the Green for 1979. As you know, it is "THE IN THING THIS SPRING!"

Sweatshirts \$5.50
Garters75
Baseball Caps 3.50
Bumper Stickers 25
Mugs 3.50
Buttons50
Derbies 4.00

Job Opportunities

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

- | | |
|---|--|
| 2091 BSCE, street superintendant, mid-west. | 2115 engineering sales oil equip. |
| 2092 Outdated | 2116 BSChemE/Chem/EE, midwest. |
| 2093 BSChemE/ME upper midwest. | 2117 Outdated. |
| 2094 BSMinE, exper. in rock mech., south. | 2118 BSME/EMan, upper midwest. |
| 2095 BSME, exper. agency listing. | 2119 PhDChem/Cer, California. |
| 2096 BSME, northeast. | 2120 MSGeoE/MinE, California. |
| 2097 MSME, stress analysis, agency listing. | 2121 MSMinE, exper. coal mining & admin., midwest. |
| 2098 BS/MS various degrees, multi-openings, west. | 2122 BSGeo/GeoE, hardrock geo., west. |
| 2099 BSME/EE/MinE/Chem/Physics, multi-openings, west. | 2123 BS multi-degrees, multi-openings, west. |
| 2100 BSME, south | 2124 BSME/ChemE, St. Louis. |
| 2101 BSME, mold design, west. | 2125 BSME/Chem/EE, exper., Houston |
| 2102 multi-openings, multi-degrees, ceramics exper., south. | 2126 BSCE/EE/ME, multi-openings, Kansas City. |
| 2103 BSEE/Physics, midwest. | 2127 BS/MSCSc. |
| 2104 BSMinE, coal mining, west. | 2128 BSCE, city water & sewer, west. |
| 2105 BSME/EE multi-openings, mid-west. | 2129 BSME, midwest. |
| 2106 BSME/CE/ChemE/MetE, multi-openings, midwest. | 2130 BS/MS EE, design/development. |
| 2107 BSEE/ChemE, southeast, agency listing. | 2131 BSME, northeast. |
| 2108 BSChemE/ME, agency listing. | 2132 BSEE, exper., agency listing. |
| 2109 BSME, admin. exper., MO | 2133 BSME, machine design, Kansas City. |
| 2110 Outdated. | 2134 BSCE, city engineer, Mo. |
| 2111 BSPetE/EE/MS/PhDChem, multi-openings, Texas. | 2135 BSEMan, personnel, Florida. |
| 2112 BSME | 2136 BSEMan/ME, upper midwest. |
| 2113 BSChemE, midwest. | 2137 BSPetE, west. |
| 2114 BSME/EE, upper midwest. | 2138 BSEE/CE/ME, multi-openings, Mo. |
| | 2139 BSME, non-ferrous, upper midwest. |
| | 2140 multi-degrees, multi-openings, midwest. |

Like to Have the
Alumnus Every
Other Month?

Use the inserted envelope to
forward your gift to the
1979 Annual Alumni Fund

Alumni Personals

1916

Mrs. Hanne Dowd of 5323 Keepport Dr., Apt. 62, Pittsburgh, PA 15236, has notified us of the death of her husband, - James Joseph Dowd, on November 12, 1978. Mr. Dowd was employed as a mining engineer by the U.S. Bureau of Mines and served as Research Director for the Coal Mining Research Center until his retirement in 1962.

1923

John Pemberton Gordon, Jr., of 3454 Hobbs Lane, Jefferson City, MO 65101, died Dec. 31, 1978. He is survived by one daughter, three grandsons and one great granddaughter.



BRUNO RIXLEBEN

Bruno Rixleben of Ada, OK died December 12, 1978. Rix was an independent geologist and a specialist in the Ada area. He is survived by a son, daughter and grandchildren. Originally with the class of 1922, he did the summer stint with Duke, with his degree awarded in '23.

1926

Jule H. Walker is a self-employed consulting geologist and says "Thanks to the Heavenly Father, I am 76 years old and still breathing." Jule and Helen live at 3330 Casa Blanca, Corpus Christi, TX 78411.

1928 and Before

Reunion At Homecoming Class Coordinators:

Wayne S. Frame
R. R. 3
Eldon, MO 65026

Elmer Gammeter
118 Duncan Cir-Windermere
Beaver, PA 15009

William E. H. Knight
1173 Grand
Carthage, MO 64836

Edwin G. Machin
P. O. Box 175
Nashville, IL 62263

1929

Thomas O. English
605 Bergstrom Pl.
Marshall, TX 75670

The Class of 1929
Will Have Their
50-YEAR
REUNION
At Commencement
May 11, 12, 13

The Alumni Office has been notified that Jephtha T. Powell of Iberia, MO, died December 27, 1978.

1930

Verne Alexander has retired as regional engineer, National Weather Service after 41 years of service. He and Mary Hazel celebrated their 50th wedding anniversary last Sept. while on a trip to Hawaii.

Marguerite Charles Gregory is a retired school teacher living at 5895 Argentine Rd., Howell, MI 48843.

1932

Stuart L. Davis is retired but he keeps active with the real estate business. He and Lorraine live at 332 Kent Dr., Cocoa Beach, FL 32931.

1933

William Koopmann, Jr., is enjoying his retirement from DuPont. He and Virginia just returned from a cruise to Bermuda and he is playing a lot of golf. Home is 2412 Heather Road, West, Wilmington, DE 19803.

1934

Reunion At Homecoming Class Coordinators:

Durward E. Fagan
Box 139
Palos Hts., IL 60463

Robert C. Weigel
120 Emerald Dr.
Danville, CA 94526

Walter and Helen Bruening of 613 Erie, Shreveport, LA 71106, have been retired for two years. They have a camp on the lake and spend a lot of time there relaxing and fishing.

1935

R. C. Solomon retired from National Steel Corp. on Dec. 31, 1978, after 44 years in the Steel Industry. He and his wife will continue to reside in Edwardsville, IL (409 Sunset Dr., 62025); and he will do some ad hoc guest lecturing at several local universities while continuing as a consultant for National Steel Corp.

Donnell W. Dutton retired June 30, 1978, after a 40 year association with Georgia Institute of Technology. First as a graduate student in AE, and then as a member of the faculty. He and Ruth live at 41 Burdett Rd., NW, Atlanta, GA 30327.

Gill Montgomery is an instructor in mining technology at Southeastern Illinois College and continues to act as a private consultant in mining geology. He and Janet live at 2300 Illinois Ave., Eldorado, IL 62930.

Although Warren B. Danforth has retired, he is still busy. He and Katherine have traveled to India, Iran, Morocco, Central and South America, and Europe. Home is 816 7th St., Oakmont, PA 15139.

Alumni Personals

1936

Edward C. Fiss is now senior staff consultant with Duke Power Co. He and Bernice make their home at 5436 Topping Pl., Charlotte, NC 28209.

John W. Ruwwe continues to be active as an independent oil producer and petroleum geologist. He and Dell reside at 1705 Douglas St., Midland, TX 79701.

1939

Reunion At Homecoming Class Coordinators:

Hubert S. Barger
Barger Engineering
P. O. Box 2507
Evansville, IN 47714

Frederick W. Heiser
16 Viking Dr., Cherry Hill
Englewood, CO 80110

Joseph W. Mooney
7383 Westmoreland
St. Louis, MO 63130

John P. Soult
37 Frontenac Estates
St. Louis, MO 63131

1940

Armin J. Tucker of 6464 Overlook Drive, Alexandria, VA 22332, a retired Pan Am Jet Captain, made a trip around the world via Pan Am in October. The highlight of the trip, according to Big Tuck, was attending the christening ceremony of the Reading & Bates off-shore drilling rig, The Ron Tappmeyer ('47), in Singapore on October 22, 1978.

R. E. Burns is a sales manager with Alcoa, but plans to retire March 1, 1979, after 38 plus years service. He and Martha live at 2 Old Timber Trail, Pittsburgh, PA 15238, and are looking forward to retirement in the Pittsburgh area.

Raymond P. Helling retired from McDonnell Douglas on May 30, 1978, and he and Virginia moved to 303 Colony Dr., N., Ellenton, FL 33532.

1941

Karl E. Krill has retired and he and Florence have moved to 45-180 Mahalani Place No. 22, Kaneohe, HI 96744.

Daniel R. Stewart has retired from Gold Fields Mining Corp. after 34 years. He is now a consulting mining geologist. His address is Route 1, Box 158, Joplin, MO 64801.

D. H. Falkingham retired 12/1/78 from Oceanwide Construction Ltd. He and Mary Margaret will take a trip in the spring and when they return home (7135 S. Evanston Ave., Tulsa, OK 74136). Don plans to enter the consulting business.

The Class of 1929 will celebrate their Fifty-Year Reunion May 11-12-13.

Jerome P. and LaHoma Dreeste live at 56 Oakland Ave., West Hempstead, NY 11552. Jerome is a senior engineer for American Telephone and Telegraph Co. in New York.

Clinton V. and Mary W. Newman live at 266 Lanyon Dr., Cheshire, CT 06410. Clint is a metallurgical manager for Miller Company-Mill Division in Meridan.

1942



GILBERT R. SHOCKLEY

Gilbert R. Shockley, general director, operations services, Mill Products Division, Reynolds Metals Company, has been reappointed chairman of the Aluminum Association's Technical Committee. The Aluminum Association is the primary source for statistics, standards and information on aluminum and the aluminum industry. Mr. Shockley's home address is 207 Nottingham Rd., Richmond, VA 23221.

Robert A. and Norma Doris Pohl live at 1720 Greening Ln., Kirkwood, MO 63122. Bob is a manager in manufacturing for Monsanto Co. in St. Louis. Doris received her Ph.D. in Music from Washington University this fall.

1943

R. Kent and Marilyn Comann have moved to 2990 S. Parker Ct., Aurora, CO 80014. Kent is a mine project manager for Johns-Manville in Denver.

1944

Reunion At Homecoming Class Coordinators:

Robert W. Klorer
Klorer Co.
7500 Natural Bridge
St. Louis, MO 63121

Hans E. Schmoldt
Schmoldt Engr. Services, Co.
526 S. Seminole
Bartlesville, OK 74003

Ernst A. Weinel
1502 W. 50th
O'Fallon, IL 62269

Charles E. Brockmeyer died March 21, 1978. He is survived by his wife, Jan, two sons, Grant and Scott, a daughter, and one grandson.

Farrell and Edith Tucker have moved to 1802 Pennylane, SE, Decatur, AL 35601. Farrell is senior loan examiner with Central Bancshares of South, Inc.

1946

Raymond B. Jones has been promoted to manager, electronic material with Ferro Corp. He and Roberta live at 26907 Lake Rd., Bay Village, OH 44140.

1947

Fred and Shirley Andersen have a new home at 43 Ledgewood Dr., Claremont, NH 03743. Fred is vice president, sales, with Tanner Systems, Inc.

Robert L. Ray of 6045 Estates Drive, Oakland, CA 94611, is a consulting metallurgical engineer and has been installed as a Fellow of the American Society for Metals. We had Mr. Ray confused with Robert L. Ray, '71, and incorrectly reported his address and occupation in the Dec. ALUMNUS. Please accept our apology, Mr. Ray, and thank you for the opportunity to set the records straight.

1948

William F. Ellis of 5203 Verdant Way, Houston, TX 77069, has accepted a position as Division Production Manager with Cotton Petroleum Corp.

William C. McMillan retired as a colonel from the U.S. Army in 1973, after 31 years service. He and Dora live at 6632 Paseo Redondo Ave., El Paso, TX 79912, where he is employed with the Texas Highway Dept. as a senior design engineer.

1949

Reunion At Homecoming Class Coordinators:

Robert D. Bay
222 Magna Carta Dr.
St. Louis, MO 63141

Donald G. Debolt
9122 Raeford Dr.
Dallas, TX 75243

William H. Gammon
158 Deering Ct.
Russell, KY 41169

Nick Holloway, Jr.
149 Pipers Hill Rd.
Wilton, CT 06897

Richard M. Otto
R. M. Otto Co. Inc.
4318 Whittier
Indianapolis, IN 46226

Leonard L. Schuler, Jr.
12580 Markaire Dr.
St. Louis, MO 63141

Joe N. Strubert
2300 Divot Dr.
St. Louis, MO 63131

Harvey and Julia Ross have moved to 200 Ranchitos Del Sol, Aptos, CA 95003.

James D. and Mary Blankenship are living at 3116 Cutchin Dr., Charlotte, NC 28210. James has a new position as laboratory director with IBM Corp.

Robert J. Yochum is the southwestern regional mgr. with Bay State Div. of Dresser Industries. He and Marian reside at 14307 Kellywood Lane, Houston, TX 77079.

Robert B. Ellenson is the manager of product development for Logetronics. Home is 6375 Buffie Ct., Burke, VA 22015.

Herman Bockstruck of 3404 Gary Ave., Alton, IL 62024, is the author of "An expert's view of the latest laboratory results with Steel Shot", which was published in the January 1979 issue of AMERICAN RIFLEMAN. He is a senior engineering associate, Product Development Engineering, Ammunition Operations Winchester-Western. He has been engaged in ammunition research for Winchester-Western for 26 years.

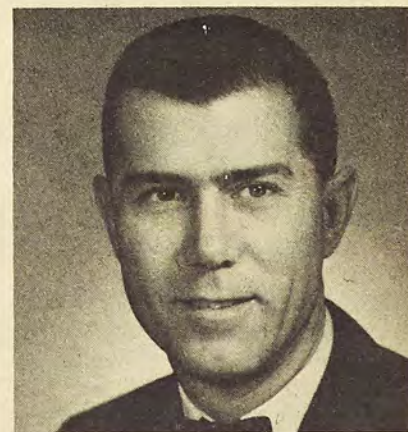
Robert A. Perko is director of purchasing at Intertherm, Inc. He and Marion live at 70 Berry Road Park, Glendale, MO 63122, and they send us the following news about their son, Lt. (j.g.) Steve Perko, '75. "Steve completed a Mediterranean cruise on U.S.S. Forrestal in Oct. 1978, and is now based at Norfolk. He enjoys flying with Navy as flight officer, radar intercept operator on two man Phantom F-4. Steve's new address is 756 Tan Oak Court, Virginia Beach, VA 23462."

1950

Dale E. Sims is now general manager of the Grand River Dam Authority. His address is Rt. 3, Box 115, Afton, OK 74331.

Ernie and Shirley Mason of 896 Atlanta Ct., Claremont, CA 91711, said, "Hello!" Ernie is program manager at General Dynamics in Pomona.

Donald A. Wunnenberg has been promoted to account manager for Allis Chalmers/Stephens Adams. His new assignment includes sales of crushing and screening equipment, in addition to other bulk material handling equipment in West PA, WV, East KY, and SE OH, covering industrial, mining and aggregate accounts. Don and Betty live at 507 Glengary Dr., Pittsburgh, PA 15215.



J. KENT ROBERTS

J. Kent Roberts, assistant dean and professor of civil engineering at UMR spoke on what future engineers could be studying to a group of high school students at the Jefferson City chapter meeting of the MSPE in November.

Alumni Personals

1950 Continued

Vernon G. and Joyce M. Berkey have moved to 834 West Ln., Lebanon, OH 45036. Vern is vice president of Resource Operations for Armco, Inc. in Middleton.

Carl E. Etz, Jr., has moved to 412 Hermosa Ave., Apt. 8, Hermosa Beach, CA 90254. He is a lead engineer at McDonnell Douglas.

Donald P. Dampf of 5686 Bayou Glen, Houston, TX 77056, has been promoted to director of the Purchasing and Transportation Department of Tennessee Gas Transmission Company.

Everett W. Springer is the expansion coordinator with Memorial Hospital in Belleville, IL. Home is 427 East Dr., East Alton, IL 62024.

Stuart S. Brown has been promoted by Consolidation Coal Co. to insurance manager. He and his wife live at 1292 Arrowwood Dr., Pittsburgh, PA 15243.

Murel L. Payne of 3008 N. Barnes, Springfield, MO 75903 has retired due to a stroke.

Ray Ruenheck, of Chelmsford, MA, attended the Annual Board Meeting in October, but his name was not included in the list of attendees. We apologize to Ray and to you. Our Board Members are interested and active in the affairs of the Association and the University and deserve our gratitude and recognition.

1951

Robert W. and Beverly Shields live at 5466 Lariat Dr., Cincinnati, OH 45238. Bob works for Allis Chalmers in Cincinnati.

Neal B. Dowling has been promoted to Midwest Regional Sales Manager at Centralab Electronics Division of Globe-Union, Inc. He and Betty Jane live at 121 W. Highland Dr., Grafton, WI 53024.



JACK E. LANGENBACH

Jack E. Langenbach has been promoted to product manager for rectangular IDC connectors at ITT Cannon Electric. He will coordinate engineering and marketing efforts for key product lines, many of which were his design. Jack holds 12 patent awards. He resides at 3011 Cliff Dr., Newport Beach, CA 92660, with his wife Louise and their son, Eric.

Edward J. Milligan has been promoted to development engineer with Western Electric.

28/MSM-UMR Alumnus

Robert L. Winchester is regional sales engineer with the Dowell Div. of Dow Chemical. He and Jean live at 622 N. Silver, Olney, IL 62450.

Robert E. Vansant has been named a partner at Black & Veatch, Consulting Engineers. A member of the firm since 1953, he is a project manager in its civil-environmental division and also serves as the senior staff attorney. Home is 435 E. 55th St., Kansas City, MO 64110.

1952

Wayne D. Jackson and his wife Lila switched homes in early December. Their new address is 6710 Van Gordon St., Arvada, CO 80004. Wayne is a mining engineer with Amax Exploration Inc.

Henry and Betty Honigfort have moved to 1653 Little Meadow Rd., Pittsburgh, PA 15241. Henry is now working as a senior engineer with McGraw Edison.

1953

Henry R. and Ruth Willis have moved to 7170 South Highpt. Circle, Littleton, CO 80122. Henry is the Regional Operations Manager for Grace Petroleum Corp.

James L. Knearem is now project manager, PFW/Gums: Hercules Inc. He and Mary Louise reside at 1108 Independence Dr., West Chester, PA 19380.

Eugene and Norma Strohbeck have moved to 15202 Pebble Bend, Houston, TX 77068. He is a staff civil engineer with Shell Oil.

1954

Reunion At Homecoming Class Coordinators:
Frank B. Conci
P. O. Box M
Galconda, IL 62938

J. Robert Patterson
Show-Me, Inc.
P. O. Box 573
Sikeston, MO 63801

Gene H. Haertling, a senior member of IEEE, has been elevated to the grade of Fellow by the Board of Directors of IEEE for contributions to ferroelectric and electrooptic ceramic materials and devices. Home is 3624 Colorado Ct., NE, Albuquerque, NM 87120.

Richard C. Runvik has been promoted to manager, Geological Services, U.S. Gypsum. He and JoAnn live at 80 Esther St., Crystal Lake, IL 60014.

1955

G. C. Friederich and wife Bee have moved to 9801 Meadowfern Dr., St. Louis, MO 63126.

M. Jordan Zimmerman is now president of EFC Transportation Co., Inc. He and Diane live at 4040 S. Dahlia, Englewood, CO 80110.

1956

Frederick E. and Theresa Meyer have moved to 325 Via La Paz, Greenbrae, CA 94904, where Fred is a principal engineer with Betchel Corp.

Don E. Williams is a group leader-minerals management with the U.S. Forest Service. Home is 553 Miles Ct., Springfield, VA 22151.

Allen H. Rudolph has been promoted to plant engineering supervisor in the power production dept. of Central IL Public Service Co. He is in charge of the maintenance and operating activities of the company's five power stations.

1957

Wayne Custead has accepted the position of president of ARCO Medical Products Co., a subsidiary of Atlantic Richfield. Home is 2140 Walnut St., Allentown, PA 18104.

Robert G. Landers is the director, LNG Projects with Natural Gas Pipeline Co. He and Jo Ann reside at Oak Hill Rd., Downers Grove, IL 60515.

1958

Jerry R. Ennis has accepted a position as chief state & federal programs section with the Office of Surface Mining. He and his wife reside at 812 Knollwood Dr., Greenland, IN 46142.

1959

Reunion At Homecoming Class Coordinators:

Jerry R. Bayless
UMR
108 Civil Engr.
Rolla, MO 65401

Lucien M. Bolon, Jr.
5648 Kirkham Ct.
Springfield, VA 22151

Edward E. Hornsey
UMR
103 Old Met
Rolla, MO 65401

Ronald A. Kibler
1006 Shellbark
Muncie, IN 47304

Gerald L. Stevenson
515 Rob Roy
Lakeland, FL 33803

Philip R. Johnson is a plant engineer with H. Kramer & Co. in Chicago. He and Susan live at 7422 N. Olcott, Chicago, IL 60648.

J. Gerald Hofer has been promoted to district superintendent with Laclede Gas Co. Home is 1420 Blackhurst Dr., St. Louis, MO 63137.

James L. and Wilma Shoemaker live at RR3, Box 340A, Centralia, IL 62801. Jim is president of General Contractors, Inc. in Centralia.

Arthur Kincaid has accepted a position with McQuay-Norris, Inc., as a plant engineer. He and Dorothy live at 236 Holtgrewe Rd., Washington, MO 63090.

E. Kenneth and Nancy Siroky have moved to 215 Honey Lane Dr., Xenia, OH 45385. Ken is a vice president (sales & management) with Elano Corp.

Milton and Kathy Overall are now receiving their mail at P.O. Box 434, Crystal Bay, NV 89402.

Robert T. Stelloh is vice president, Interactive Systems with International Computing Co. He and Denise live at 10317 Holbrook Dr., Potomac, MD 20854.



NEWTON L. WELLS

Newton L. and Marilyn Wells live at 9818 Knoboak Dr., Houston, TX 77080. Newton was promoted to general manager of Norriseal Controls Plant for Dover Corp., Norris Division on October 30, 1978.

Russ Cochran was chairman of the Drake physics depart. for several years after graduation, but has been away from physics for several years and loves it. In 1975 Russ decided to return to his home town to publish comic art and books for collectors. He and Shirley have three children: Vance, 14; Jack, 13; and Sylvia, 8. His home and business address is 202 South Main, West Plains, MO 65775.

Herbert and Susan Goldin of 5518 Ferndale St., Springfield, VA 22151, have a new son. Michael Scott was born Sept. 12, 1978, and weighed 8 lbs. 3 oz., and was 21 inches long. Herb is a structural engineer with Naval Facilities Engineering Command.

1960

William F. Priesmeyer, Jr. and his wife, Delores, have moved to 3434 Eastridge Ln., St. Ann, MO 63074. Bill is a plant manager for Green Foundry, Division of Banner Iron in St. Louis.

Bill and Susan O'Neal live at 5952 New England Woods Dr., Burke, VA 22015. Bill is deputy commander, Davison Army Airfield in Ft. Belvoir.

Walter and Patricia Steinmann have moved to 1803 Burkewood Dr., St. Louis, MO 63141. Walt has accepted a position with Sullair Corp. as a general manager.

Col. Charlie L. Blalock, Mobile district engineer (P.O. Box 2288, Mobile, AL 36628), received the Secretary of the Army's award for outstanding achievement in equal employment opportunity as a result of contributions which enhanced the EEO program throughout the Army. The award was presented as part of the Secretary of the Army's annual incentive awards ceremony at the Pentagon on October 13, 1978.

Anthony Del Prete is now chairman of the dept. of earth sciences at SUNY Oswego. He and Kathleen live at 16 Battery Terr., Baldwinsville, NY 17027.

John C. Anderson has resigned his position as city engineer/public works director for O'Fallon, MO and is now regional engineer for Cast Iron Pipe Research Association.

George E. Stourton of 4330 Honey Oaks, Seabrook, TX 77586, is president of the Stourton Companies.

Alumni Personals

1960 Continued



JAMES D. COFFMAN

James D. Coffman has been appointed Southwestern Bell's assistant vice president-residence marketing. In his new position he will head market management activities for residence products and services. He and his wife Nancy have one daughter. They live at 569 Hickory View Lane, Ballwin, MO 63011.

1961

Ramesh C. and Kokila Shah have moved to 220 Prospect Ave., Woodbridge, NJ 07095.

Robert B. and Carol Pettibon have moved to 3907 Hillview Ct. NW, Olympia, WA 98502. Bob is a project engineer for Morrison-Knudsen in Elma.

W. Wayne Siesennop is practicing law with the firm of Petrie, Stocking, Meixner and Zeising, S.C. He and Joanne live at 4344 N. Wildwood Ave., Milwaukee, WI 53211.

Donald E. and Jackie Waldecker have moved to 3306 Arrowhead Circle, Round Rock, TX 78664, where Donald is a senior engineer/manager with IBM.

R. B. Smith is now a general engineer with the U.S. Navy, OICC Trident. He and Cynthia have moved to 13360 Ridge Lane Dr., NW, Silverdale, WA 98383.

Jimmy Lemon III is now president of Lemon Construction Co. He and Billie receive their mail at P.O. Box 473, Cary, NC 27511.

John L. Hodges has been promoted to area manufacturing manager by Owens-Illinois. He and Ellen moved to 3999 School Rd., Temperance, MI 48182.

Donald E. and Jackie Waldecker have moved to 3306 Arrowhead Circle, Round Rock, TX 78664. Don is a senior engineer/manager for IBM in Austin.

In December 1978 **Anthony and Grace Jacob** moved to their "special" land to build a home. Their address is Route 1, Ste. Genevieve, MO 63670.

Gerald and Mary Mismar now live at 33 Skyview Dr. East, Peoria, IL 61611. Gerald is the asst. mgr., National Service Div. of Caterpillar Tractor.

C. R. Featherston has been promoted to operations manager, eastern division, with Houston Oil & Minerals Corp.

1962

Bob Pulley is now a development engineer with IBM in Austin, TX. Home is 13210 Mansfield Dr., Austin, TX 78732.

Donald Marsinkavage is now the manager, range systems dept. with Ford Aerospace in Palo Alto. His address is 2210 Rock St. No. 22, Mountain View, CA 94093.

Robert W. Hecht is the new owner of Little Mfg. Co. His address is Star Route, Altenburg, MO 63732.

Kenneth D. and Phyllis Murdock moved to 1342 Wyntercreek Ln., Dunwoody, GA 30338 last March. Ken is director of marketing for Orkin, Inc. in Atlanta. Orkin is a division of Rollins, Inc.

Donald N. Overall has moved to Media Station Apts., Apt. B02, Media, PA 19063, and has accepted a position with The Franklin Mint as supervisor, Process Metallurgy Research.

Robert A. Steinkamp has a new position as manager-high performance plastics technology with Exxon Chemical Co. His mailing address is in care of Exxon, P.O. Box 4255, Baytown, TX 77250.

Piyush S. Parikh is a senior staff engineer with Warner Cable Inc. in New York. He and Suvarna's address is Rd. 1, Ridge View Terrace, Goshen, NY 10924.

George and Mary Ellen Eggeman live at 3032 Montana Ct., Manhattan, KS 66502. George is an assistant professor at Kansas State Univ.

1963

Terry D. Wiegand and his bride Lori live at 4933 Woodland Ave., Davenport, IA 52807. Terry is a sales engineer with Westinghouse.

John and Flora Clements and their children, Andy, 8, and Cindy, 6, moved to 3935 E. Yucca, Phoenix, AZ 85028. John is a member of GTE's technical staff assigned to their new lab with responsibility for designing the GTD-5, a new pulse code modulation telephone switching system. His family is enjoying all there is to see and do in the area.

Lonnie J. Shalton has moved to 4816 Westwood Rd., Kansas City, MO 64112. Lonnie is a member of the Law Firm Polsinelli, White, and Schulte in Kansas City.

Georgina More lives at 2565 Crum Creek Rd., Berwyn, PA 19312. Georgina is supervisor for Foote Mineral Co. in Exton.

Ed and Candie Benn live at 2900 Armstrong, Lake Orion, MI 48035. Ed is a research physicist for Energy Conversion Devices in Troy. Ed and Candie are expecting their second child this spring.

Han and Shu Chung have a new home at 3421 S. 122nd St., West Allis, WI 53227. Han is a project engineer with Kearney & Trecker Corp.

John H. Anderson is "still looking for other Miners in the Bay area." John is a customer service representative for Transamerica Title. He and Mary live at 368 School Road, Novato, CA 94947.

Charles and Christina McPheeters have moved to 30 W. 433 Blvd. DeJohn, Plainfield, IL 60544. Charles is a chemical engineer with the Argonne National Laboratory.

Dennis Trautman has been promoted to sales manager with Wyoming Machinery Co. He and Brenda live at 3651 Valley Rd., Casper, WY 82601.

William and Suzanne Ligon have moved to 1224 Walden Lane, Deerfield, IL 60015 where Bill is general manager of the Deerfield plant of Fiat-Allis.

Rudy and Bluetta Phillips have moved to Buckspen Lane, Ridgefield, CT 06877. Rudy is now vice president, general manager, flavor & food systems of PFW, Inc.

1964

Reunion At Homecoming Class Coordinators:

Alfred J. Buescher
2640 Quail Ln.
Northbrook, IL 60062

Harry K. Edwards
1453 Huntley Dr.
Flint, MI 48507

C. Stuart Ferrell
219 Timothy Lane
Carterville, IL 62918

Frank W. King, III
2017 Baffin Bay
Plano, TX 75075

David J. Michel
4421 Rolling Brooke Ct.
Alexandria, VA 22306

Larry L. Parkinson
2127 Post Rd.
Clarksville, TN 37040

John and Sharon Gebhards reside at Rua-General Urquiza 44/901, Rio de Janeiro, R. J. Brazil.

Donald W. and Paz Cecilia Beegle live at 1275 Parrott Dr., San Mateo, CA 94402. Don is a project engineer for Arthur G. McKee and Co. in San Mateo.

Frank W. King III is now reservoir engineer, rsvr. simulation with Sun Production Co. in Richardson, TX. He and Ruth live at 2017 Baffin Bay Dr., Plano, TX 75075.

Steve Ombalski is presently running a consulting engineering office in Somerville and Milford. They are specializing in residential development and sanitary and waste engineering. He and Nita and their three children, Katrini, 12; Gregory, 10; and Daniel, 7, live at RD 2, Rick Road, Milford, NJ 08848.

James D. Philpott has accepted a position as manager, Plant Engineering, C & R Div., PPG Industries. He and Linda live at 4245 Old New England Dr., Allison Park, PA 15101.

Clancy Ellebracht is a staff manager-Equipment Selection, Southwestern Bell. He and Sharron have two daughters, Dawn, who will graduate from 8th grade this year, and Beth, who will graduate from high school. The family lives at 2477 Waterman, Granite City, IL 62040.

James M. McDuff has recently become the district manager I/R with Southwestern Bell Telephone Co. in Hays, KS. Home is 205 Skyline Ct., Hays, KS 67601.

Don R. Freese was on special assignment in Oct., Nov. & Dec., '78, with the United Engineers Consulting Division of U.S. Steel. He was stationed in Volta Redonda, Brazil, which is 65 miles from Rio de Janeiro, and did consulting work for the cast shop of Campanhia Siderurgica Nacional, a Brazilian steel company. Don and Ellen live at 1004 Blouin Dr., Dolton, IL 60419.

Joseph S. Wood, Jr. retired from the U.S. Army in December. Col. Wood is now a construction manager and liaison officer to the Saudia Arabian Defense Ministry for Russell & Axon. His address is Box 1306, USMTM, APO, NY 09038.

Jayant and Nuru Soni have moved to 18331 Running Vine Lane, Spring, TX 77379. Jayant is vice president for A&S Engineers & Contractors.

Keith E. Bailey of 4337 E. 74th Place, S., Tulsa, OK 74136, has been named executive vice president of Williams Pipe Line Co. He will be responsible for the day-to-day activities of the company.

William G. Davidson has accepted a position with Laclede Steel as plant engineer. He and Barbara live at 1395 St. Francois, Florissant, MO 63033.

Hansraj J. Patel is now president of Patel/Walter/Church Associates, Inc. He and Kashmira live at 621 Castile, El Paso, TX 79912.

1965

Frederick Schmidt has moved to 7242 Floyd, Overland Park, KS 66204.

James R. Cunningham has been appointed asst. vice president-production for Blank & Wesselink & Associates, Engineers-Consultants.

Jack Goodman has a new job as a staff scientist with Science Applications, Inc. Home is now 145 Shelter Lagoon Dr., Santa Cruz, CA 95060.

Alfred J. Thiede is now an engineer inspector general at Ft. Belvoir. He and Dorothy live at 35 Belvoir Dr., Ft. Belvoir, VA 22080.

Grover D. Morgan, Jr. is a unit chief, design, with McDonnell Douglas involved in fusion energy studies. Dave and Jaclyn reside at 734 Muir View Dr., Ballwin, MO 63011.

David E. Bergt is now a sales development manager with Schlumberger Well Services in Houston. His address is Box 2175, Houston, TX 77001.

1965 Continued

Robert L. and Sharon Otto live at 4018 Briar Hollow, San Antonio, TX 78247. Bob is a project engineer for Voss International in Houston.

James D. Compton lives at Rt. 3, Cedar Ridge Airport Rd., Griffin, GA 30223. Jim is a pilot for Delta Airlines in Atlanta.

Robert C. and Janet Peirson have moved to 4504 Dell Ct., Murrysville, PA 15668. Bob is a staff engineer for Aluminum Co. of America in Alcoa Center.

Paul D. and Jean H. Griffin have moved to 460 Highway 332, Apt. 219, Lake Jackson, TX 77566. Paul is head chemist for Gulf Chemical and Metallurgical Co. in Freeport.

Karl and Barbara Schmitt and their two children, Kenneth, 12; and Diana, 5, have a new home on 48 acres of hills, valleys and forests. Their mailing address is Rt. 5, Box 371, Glade Chapel Road, Hillsboro, MO 63050. Karl is chief development engineer with Nooter.

Kenneth and Vicki Robb have moved to 709 Stuyvesant Pl., Mt. Laurel, NJ 08059. Ken is a terminal manager with Cities Service Co. in Pennsauken.

Marvin and Claudia Byington have a new home at 7193 SW 184th Place, Aloha, OR 97005. Marv is a construction manager for the Port of Portland.

Kent G. and Donna Horner have moved to 13000 Silver Crest Rd., Chester, VA 23831, where Kent is a sr. engineer with E. I. DuPont.

1966

Gary and Eulonda Dreher have moved to 12610 Campos, Houston, TX 77065. Gary recently accepted a position as research scientist with Geo Chem Research, Inc.

John T. Solook has a new job developing consulting services for industrial clients in occupational health and safety and environmental health and control. He is manager of industrial hygiene at American Optical, Safety Products Division. He and Gail also have a new home at 25 Park Ave., Southbridge, MA 01550.

Roy A. Wilkens of 2917 E. 77th Place, Tulsa, OK 74136, has been named vice president of operations at Williams Pipe Line Co.

F. Arthur Simmons of 1720 Brookwood Dr., Flossmoor, IL 60422, was recently appointed to the position of vice president and general manager of LaSalle Steel Company's Marketing and Distribution Division.

Dale E. and Phyllis Brady live at 1248 Neelys Bend, Madison, TN 37115. Dale is a Data Processing Security Officer for the State of TN in Nashville.

David P. and Barbara Wehmeyer live at 805 Norwich Dr., St. Charles, MO 63301. Dave is vice president of Ingram-Kiethline-Wehmeyer, Inc. in St. Charles.

Leslie D. Stewart, Jr. and his wife, Linda, live at 6020 Wedgewood Way, Indianapolis, IN 46254. Les is chief materials engineer for FMC Corp.-Chain Div. in Indianapolis and has been elected Chairman of the Indianapolis Chapter of American Society for Metals for the 1978-79 chapter year.

Joseph V. and Judith Hopkins have moved to 15803 SE 25th St., Bellevue, WA 98008. Joe is a specialist engineer for Boeing Computer Services in Seattle.

Robert W. Hogue, Jr. and his wife, Cathy, have moved to 410 Hackberry Dr., Decatur, IL 62521. Bob is city engineer for the City of Decatur.

Billy Joe Woolery has moved to 110 Freudenberg Lane, Chattanooga, TN 37415. He is an electrical engineer with the TVA.

James and Michele Higbee have moved to 7105 Dye Dr., Dallas, TX 75241, and Jim has a new position as unit manager and principal with J. Frank Holt & Co.

Gary B. and Carole Hallock are living at Rt. 1 Box 144J3, Sidney, MT 59270, where Gary is a district geologist with Hunt Energy Corp.

Richard L. and DeAnne Howard have moved to 1236 Armstrong Court, Derby, KS 67037, where Richard is a data center manager with Boeing Computer Services.

Robert G. Segasture, manager quality assurance, with Bodine Aluminum, now resides at 1505 Cargill, St. Louis, MO 63136.

George H. Cooper is now buyer of direct materials with Caterpillar Tractor. He and JoAnn have moved to 1200 Ann, Pontiac, IL 61764.

Darryl S. and Judy Webb have moved to 30 Whispering Oaks Dr., RR 4, Metamora, IL 61548. Darryl is area manager of Mining Sales for WABCO in Peoria.

1967

Richard L. Baker is employed by Willard Given & Associates in Springfield, MO. His address is P.O. Box 38, Willard, MO 65781.

William E. Anderson is now the owner of Ozark Environmental Labs at 1306 Bishop Ave., Rolla, MO 65401. Bill has also been appointed chairman of the Young Engineers Committee of the MSPE.

Michael Browne reports that his wife, Billie, who was Ike Edwards' secretary from 1965 to 1967, received a B.S. in Art Education from Wright State University in December, 1978. Home is 7150 Keeneland, Dayton, OH 45414.

Gail D. Kettenbrink has joined NRM Petroleum Corp. as a geologist in Midland, TX. She and Ed ('67) live at 3605 Sinclair Ave., Midland, TX 79703.

John B. Shireman, Jr. is presently manager of energy conservation with Kansas City Power & Light. He and Janice reside at 5521 Sterling, Raytown, MO 64135.

James L. and Pat Newcombe have moved to 2266 Lydia Ln., Howell, MI 48843. Jim is an automotive development specialist for Exxon Chemical Co., U.S.A. in Southfield.

John and Sandra Gass have moved to 1034 Willow Ave., Burlington, IA 52601. John is a design engineer with J. I. Case.

David M. Gossett has opened his own business, Coeur D'Alene Avionics. He and Janet have moved to 3612 Hillcrest Circle, Coeur D'Alene, ID 83824.

Niranjan V. Shah has been promoted to project engineer at Goodyear Tire & Rubber. He and Shirley live at 1923 Kingsdale Dr., Stow, OH 44224.

Wesley E. Myers has accepted a position as engineer with Grace Petroleum, and he and Barbara have moved to 2204 Brookwood Dr., Edmond, OK 73034.

Michael D. and Jeanne Wagner are living at 5710 Wildbrook Dr., St. Louis, MO 63129. Michael is an accounting manager for Southwestern Bell Telephone.

Howard W. Myers is now president of H. Wm. Myers, process controls/data processing/computer systems consultants. He and Sharon live at 393 Warwick Lane, Crystal Lake, IL 60014.

Michael and Chan Hallett live at 108 Neff Place, Pearce, AZ 85625. Mike is a resident engineer with Burns & McDonnell.

Larry G. Harmon was recently promoted to project manager with McClelland Engineers, Inc. of Houston, TX. He is completing his second year of assignment with McClelland-Suhaim, Ltd. in Saudi Arabia as manager, Materials Div. He and Vicki receive their mail at P.O. Box 2165, Dammam, Saudi Arabia.

Dave and Mary Lou Harrison are in Wetzell, Germany until March, 1979.

1968

Richard W. Schenk has been promoted to the position of project control engineer with the Tennessee Valley Authority. His address is Rt. 1, Box 2067 Meadowlark, Rockford, TN 37853.

George D. Leaming has been promoted to the rank of major in the U.S.M.C. He and Trela reside at 201 Country Club Blvd., Jacksonville, NC 28540.

Herbert D. Leigh III and his wife, Glenda, have moved to 240 Wentz St., Tiffin, OH 44883. Herb is head scientist for Basic, Inc. in Bettsville.

Mark A. and Marilyn Martin have moved to 200 Burlington Beach Rd., Valparaiso, IN 46383. Mark is a technical sales representative for Kaiser Aluminum and Chemical Sales in Bridgeview.

Mel and Sandra Downs have moved to 595 Big Sky Ct., Colorado Springs, CO 80919. Mel is a sales engineer for Hewlett Packard in Colorado Springs.

Jerry W. T. Brouwer has been appointed assistant general manager of Rolla Municipal Utilities. His address is Rt. 4, Box 118, Rolla, MO 65401. Welcome back to Rolla.

Edgar and Linda Quick of 457 Scarsborough Rd., Valparaiso, IN 46383, are happy to announce the birth of their son, Steven Lance Quick, on 11/30/78. Ed was recently promoted to regional manager of the Chicago Region, Riverside Clay Co.

Charles E. and Mary Burke have moved to 609 Grady St., Scottsboro, AL 35768, where Charles is a chemical engineer with the TVA.

Terry R. Jespersen, a senior engineer/programmer with Bendix Corp. has moved to 3300 E. 107 Terr., Kansas City, MO 64137.

Lynn E. Zoellner is the shipping superintendent with PPG Industries, Inc. Home is 1195 Monterrey Dr., Beaumont, TX 77706.

Carl A. Schopfer is a newly employed assistant project engineer with Garrett Corp. He and Joyce now reside at 5832 E. Corrinne Dr., Scottsdale, AZ 85254.

James and Linda Danley have moved to 1529 East Vincent, Springfield, MO 65807. Jim is an engineer-contracts with City Utilities of Springfield.

Stephen S. Tricamo has accepted a position as a staff applications engineer with Honeywell Corp. in Denver. He and Mary have a new address: P.O. Box 1251, Littleton, CO 80160.

Stephen S. Johnson joined DeWitt & Associates as a project manager for heavy and building projects in Jan. 78. He and Linda Kay live at 1217 W. LaSalle, Springfield, MO 65807.

1969

Reunion At Homecoming Class Coordinators:

Don M. Ascoli
1404 E. Dunbar
Tempe, AZ 85282

Robert S. Bruce
15 Carrswold
St. Louis, MO 63105

Don M. and Anne Ascoli, Sr. are enjoying the Arizona sun. They extend an invitation to classmates of 1969 to visit them at 1404 E. Dunbar, Tempe, AZ 85282.

Robert J. Steele is now plant supt. of energy center for Empire District Electric. His address is RR1, Wentworth, MO 64893.

Richard E. Franke is now sr. proj. engr., tires & suspension with USATARAD-COM. Home is 15585 Stockton Dr., Mt. Clemons, MI 48044.

Nicola B. Tannous is now a senior engineer with Brown & Root, Inc. in Houston. Nicola and Jane have moved to 16113 Seattle, Houston, TX 77040.

Alumni Personals

1969 Continued

Richard and Brenda Breitenbach live at 213 Dawns Way, Trussville, AL 35173. Dick is a Flight Test Navigator-KC-135 for the U.S. Air Force working with Hayes International in Birmingham.

Mike Slater has accepted a position as a drilling engineer with Mesa Petroleum. Mike and Sandy live at 11943 Summerdale, Houston, TX 77077.

John W. Marsh has a new position as an operations research specialist with ITT in Shelton, WA.

Ronald S. Ziegler is presently a project engineer with Consoliation Coal Co. in New Mexico. He and Pamela live at 3811 Crestridge Dr., Farmington, NM 87401.

F. Clifton Steed, Jr. has joined the Rolm Corp. in Santa Clara, CA. He and Patricia now live at 6074 Elmbridge Dr., San Jose, CA 95129.

William B. Olsen has found a new career as the publisher (owner) of TV FACTS MAGAZINE. Bill and Trudie reside at 2201 Vogel Rd., Evansville, IN 47711.

Thomas L. and Judith Zenge live at 1117 Denbigh, Iowa City, IA 52240. Tom is a resident engineer for Procter and Gamble in Iowa City.

Thomas V. and Cathy Sauer live at No. 5 Gleneen Pk., Altnagelvin, Londonderry, Northern Ireland. Tom is a division engineer for E. I. Dupont of Wilmington, DE. Tom and Cathy have 3 children, all girls, ages 2, 4, and 9.

David L. and Sherry Mueller have moved to 2663 Ashworth Circle, Snellville, GA 30270. David is a financial analyst with Lithonia Lighting.

James L. Wurtz has become an associate attorney with the firm of Strasburger & Price. His home address is 9014 Guildhall, Dallas, TX 75638.

Myron and Martha Walker have a new home at Star Route, Box 56, Dexter, MO 63841. Myron is a project engineer with Arvid Automotive.

Fred and Nancy Jones are living at 3750 Burning Tree Dr., Bloomfield Hills, MI 48013. Fred is vice president-leasing at CMI Inc.

Dennis and Peggy Gaffke's new mailing address is P.O. Box 903, Copperhill, TN 37317. Dennis has accepted a position with Cities Service Company as associate manager-Human Resources.

1970

LaMar T. Sizemore, Jr. and his wife, Victoria Sue, have moved to 79 Highland Ave., Massena, NY 13662. LaMar is executive assistant for St. Lawrence Seaway Development Corp., in Massena.

Ronald A. and Rebecca S. Karger have moved to 417 N. Ohio Ave., Morton, IL 61550. Ron is an electrical operating engineer-Powerton Generating Station for Commonwealth Edison Co. in Pekin.

Ken Metz has moved to 637 N. Alexander, Apt. 65G, Duncanville, TX 75116. Ken is a project metallurgical engineer for Dresser Industries-Security Division in Dallas.

Richard K. and Peggy Ann Thompson have moved to 1924 Yuma Ln., Mt. Prospect, IL 60056. Dick is a patent attorney for Illinois Tool Works in Chicago.

James E. and Sally Stewart have moved to 1901 Barberry Cir., Champaign, IL 61820. Jim is manager of cost and schedule controls for Fruin Colnon in St. Louis, MO.

Kenneth W. and Betty Liescheidt live at 159 Gemini, Hannibal, MO 63401. Ken is a general materials inspector for the MO State Highway Dept. in Hannibal.

Neil S. and Susan Portnoff live at 33032 Fraser, Fraser, MI 48026. Neil is a senior engineer for General Electric/Carboly Systems Department in Detroit.

Peter Wagner has accepted a position with Stainless, Inc. as a structural engineer. He and Mary Ellen live at 1919 S. Broad St., Lansdale, PA 19446.

William and Teresa Hiatt have moved to 18½ Ave., SW, Minot, ND 58701. Bill is now the electric operations manager with Northern States Power Co.

Edwin J. Garrison's new address is P.O. Box 246, Moab, UT 84532.

Barry and Janice Brandt have moved to 14 W. Liberty Ln., Danville, IL 61832.

Michael V. Korth is construction services mgr.-geotechnical engr. with Southwestern Labs. He and Linda reside at 6509 Onyx Dr., Little Rock, AR 72209.

Kit M. Oglesby, a research technician with Monsanto, now lives at 184 Sierra, St. Peters, MO 63376.

Franklin T. Kelley is a quality and mfg. engr. consultant corp. staff member with Xidex in Sunnyvale, CA. Home is Unit 134D, 1479 De Rose Way, San Jose, CA 95126.

Eric Aschinger has a new son, Alexander, and a new title, executive vice president and general manager of Aschinger Electric Co. He and Arlene live at 33 Raintree Ct., Fenton, MO 63026.

Thomas A. Selden has a new position with Firestone Steel Products Div. as a marketing analyst.

Simon A. and Debra Ann Mahanna live at 1849 Rockmoor Dr., Chesterfield, MO 63017. Simon is President of Professional Development and Management Services in St. Louis. Simon and Debra have a new daughter, Rachele Christine, born Sept. 26, 1978. Rachele weighed 7 lb. 11 oz. and was 22 in. long.

Edward W. and Kathleen Landreth have moved to 725-11 Tramway Vista Dr. NE, Albuquerque, NM 87122. Ed has been promoted to construction engineer of the Star Lake Railroad. Kathy is an associate psychologist.

John Robert Hardwick's wife Cheryl started work as a senior programmer with Lake Land College in fall 1978. Home is 701 Ealy, Effingham, IL 62401.

Jim L. Davis has been promoted to superintendent of the Taylorville district of the Central Illinois Public Service Co. Jim's home address is 3511 Cynthia Court, Taylorville, IL 62568.

1970

Billy and Edith Shanks have moved to 217 Remington Dr., Columbia, SC 29204. Bill is a facilities engineer with the Department of the Army.

Michael and Mary McGath have moved to 37124 San Bruno, Barstow, CA 92311. Mike is a manager with N. L. Industries, Inc.

Virgil A. and Donna Deshazer have moved to Rt. 2 Box 85, Chouteau, OK 74337. Virgil is an assistant plant engineer with Georgia-Pacific.

Ralph E. and Celeste Prinz, Jr., have moved to 2220 W. 31st Street, Davenport, Iowa 52804. Ralph is a sales engineer with Emerson Electric Motor Division.

Randy and Susan Stuckemeyer of 1813 S. Lowell, Springfield, IL 62704, announce the birth of their first child, Katherine Louise, born 12/11/78. Randy was promoted to fuel procurement supervisor for Central Illinois Public Service Co. on 1/1/79.

Darrel E. Wortman has accepted a position as manager-Industrial Engineering, with Louis Marx & Co., Inc., and has moved to 48 Virginia Park Rd., Wheeling, WV 26003.

Larry Onstott has been promoted to district D & F engineer with Continental Telephone in Russellville, AR. Larry is responsible for all outside plant engineering for Continental Telephone of Arkansas. His address is 1104 W. 17th Terr., Russellville, AR 72801.

David and Sharon Hardwick have moved to 2412 St. Andrews Dr., Troy, OH 45373. David is a senior project engineer with Ledex, Inc.

Michael R. Ruhland has moved to 3902 Potomac, Apt. 2E, St. Louis, MO 63116. He is a lab technician with Sunnen Products Co.

James S. Hinshaw has been promoted to district sales manager of the Arizona sales district of Trane Co. Jim, May and Jonathan have moved to 4059 W. Mission Lane, Phoenix, AZ 85021. They love the country and the climate.

Gary and Patricia Keller have moved to 15742 Ryan Dr., Holland, MI 49423. Gary has been promoted to maintenance superintendent by Consumers Power Co.

Tom Selden, an avid golfer, has recently been elected to the board of Trustees of the Firestone Country Club in Akron, OH. Tom works for the Steel Products Division of Firestone, and his address is 538 LaJoy, Akron, OH 44319.

Marion and Patty Ricono of 1201 NE 82nd, Kansas City, MO 64118, announce the birth of their son, Joseph Paul, on Dec. 26, 1978. Marion is roll service supervisor at Armco.

James and Carolyn Dexter have moved to 98-861B Iho Place, Aiea, HI 96701. Jim is a civil engr. with the U.S. Corps of Engrs.

Mark D. Morgan's new mailing address is P.O. Box 664, Mt. Vernon, IL 62864. Mark is senior electrical engineer with Inland Steel Coal Co.

David A. Butterfield is now a pilot for Pacific Southwest Airlines. He and Geri have moved to 3162 Via Alicante, Apt. E, LaJolla, CA 92037.

James A. Ponciroli has accepted a position with NL Industries as their Altoona, PA, plant manager. He and Karen's new address is Box 4A Cedar St., Sylvan Hills, Hollidaysburg, PA 16648.

William and Cynthia Strong of 829 Danica Dr., Rockford, IL 61111, would like to announce the birth of their first child, Heather Joy. She arrived at 10:16 p.m. on 11/27/78 and weighed 6 lbs. 15 oz. William is a systems analyst at National Lock Hardware.

Leon (Max) Schellman has been promoted to Employee-Employer Relations Specialist with Procter & Gamble. He and Jeanne have moved to 7472 Fence Row, West Chester, OH 45069.

1971

Dale Gunter is a project engineer with Blaylock, Threet & Associates, Inc. Home is 619 Brookside Dr., Apt. 31, Little Rock, AK 72205.

James M. Chapman has accepted a position with TVA as a system engineer, and he and Nancy have moved to 142 Hale Ave., Gallatin, TN 37066.

Navy Lieutenant **Lindel G. Rutherford** recently participated in exercise "Varsity Lance" off the Southern California coast. He is legal officer of Fighter Squadron 111 (VF-111), homeported in San Diego. Rutherford and his wife Marsha live at 13108 Trail Dust Ave., San Diego, CA 92129.

Thomas L. Greene was recently promoted to senior development engineer, C3 Auto Trans, at Ford Motor. He and Sally and Jeff and Brian live at 30500 Avon Place, Westzand, MI 48185.

Thomas G. Durham has been promoted to assistant superintendent, Delta Mine, by Amax Coal. He and Cynthia live at 1207 Laura Lane, Marion, IL 62959.

Richard Steffee of 2427 Country Place Dr., St. Louis, MO 63043, is now employed by Arthur G. McKee.

Gary and Mary (Brunkhorst) Alexander are back in Michigan after 3 sunny years in Southern California. They are both employed by Logical Design Corp., a computer consulting firm headquartered in Southfield, MI. Their home address is 26347 Greythorne Trail, Farmington Hills, MI 48018.

Alumni Personals

1971 Continued

Norman D. and Theresa Dennis live at RR 1, Box 114, Bevier, MO 63532. Norm is a resident engineer for the U.S. Army Corps of Engineers.

Robert G. and Sharon Butchko have moved to 2261 Cowbridge Ct., St. Louis, MO 63129. Bob is a project engineer for Fox and Cole Engineer and Surveying in St. Louis.

Daniel D. and Nancy S. Moline have moved to 2807 Straford Dr., Chandler, AZ 85224. Dan is a staff engineer for Motorola Semi-conductor Group in Phoenix.

Arthur J. Goldman, Jr. and his wife, Dianne, have moved to 2715 W. Nopal, Mesa, AZ 85202. Art is an engineer for Hexiel in Casa Grande.

Harold D. Ream is presently an administrative assistant with Shelby Electric Cooperative in Shelbyville, IL. Home is 1301 Lafayette, Apt. 8, Mattoon, IL 61938.

Robert L. Gold is a hydrologist with the U.G. Geological Survey. Home is 4521 Candletree Cir. No. 3, Indianapolis, IN 46254.

Vincent John Budd and his wife Tina and their two daughters, Rebecca, 5, and Julia, 2, have moved to 58 Wallkill Ave., Middletown, NY 10940. Budd is chief of system operations at Orange & Rockland Utilities, Inc.

William J. and Barbara Wafer have moved to 16322 Lakeview Dr., Houston, TX 77040. Bill is an engineer specialist with Bechtel Power Corp.

Michael D. Glascock is living at 301 Tiger Lane, Apt. 216, Columbia, MO 65201, where he is a sr. research scientist at the University of Missouri-Columbia.

Richard W. So is a civil engineer IV with the city-county of Honolulu. He and **Josephine**, '72, live at 1621 Dole St., No. 102, Honolulu, HI 96822.

Gary W. and Donna Wicke live at 11901 Westwood Dr., Carmel, IN 46032. Gary is a senior business systems consultant for Amax Coal Company in Indianapolis.

Capt. **John R. Buckwalter** has returned to UMR to work on a master's in C.E. He and Amy live at 15 McFarland Dr., Rolla, MO 65401.

J. H. Braaf is now production supervisor with Mobil Chemical in Jacksonville, IL. He and Linda live at 1517 S. West, Jacksonville, IL.

Gary R. Bartlett has been promoted to superintendent-systems design with Natural Gas Pipeline Co. Home is 620 Bruce Ave., Flossmoor, IL 60422.

Richard Overturf is an engineer technician with Finley Engineering. Home is 904 Westrott No. 162, Houston, TX 77007.

Liezers and Melody Wang have moved to 30 Roxgy Ave., Edison, NJ 08817. He is a designer "B" with American Electric & Power.

Bruce P. Johnson has been promoted to Lt. with the U.S. Army Element Defense Nuclear Agency. Home is 2430 A 24th Loop, Kirtland AFB, NM 87116.

Gordon D. Robinson has accepted a position as data processing manager with Chas. S. Lewis, Inc. in St. Louis. Home is 6141 Columbia Ave., St. Louis, MO 63137.

Robert B. Reeser, Jr. is an attorney with Wesnen, Turley, and Reeser in Sedalia, MO.

James M. Mills, a dept. project engr.-elec. with J. E. Serrine Co., has moved to 8801 Weathersfield Court, Raleigh, NC 27612.

Claude and Georgianna Craver have moved to 5265 Belton, Abilene, TX 79605.

1972

James J. and Clare S. Commerford of 1001 Mistletoe Rd., Benbrook, TX 76126, are thrilled with the birth of their daughter, Ellen Marie, who weighed in at 8 lbs. 4 oz. She was born December 15, 1978, and joins brother James Patrick, 19 mos. Jim works for Texas Instruments.

Stephen E. and Michelle Wilson have moved to 1802 Greenridge, Carrollton, TX 75006. Steve is a salesman for Applied Digital Data Systems in Dallas.

Lawrence V. and Katherine Bumbicka have moved to 3639 Cinnamon Tree Ln., St. Louis, MO 63129. Larry is a Supervisor of Utilities for Monsanto Co. in Sauget, IL.

Kenneth L. Busch lives at 9911 Heritage Dr., Apt. B, St. Louis, MO 63123. Ken is a structural engineer for Horner and Shifrin Consulting Engineers in St. Louis.

John and Marsha Tenfelder have moved to 12801 Tampa Ave., Northridge, CA 91326. John is resident reservoir engineer for Southern California Gas Co. in Northridge.

Ralph and Linda Tate have moved to 2619 North Clayton, Springfield, MO 65803. Ralph is an engineer with Hood-Rich Architect and Construction Engineers.

Richard and Jeanna Bartlet now reside at 501 S. Ravine, Fulton, MO 65251.

Frank R. Ellis II has accepted a position with Mobil Oil Corp. as a civil engineer. He and Linda have a new home at 12307 Dorrance, Stafford, TX 77477.

William A. and Pamela Hillebrandt have moved to 548 Whisper Wood Dr., Longwood FL 32750, where William is a sr. engineer with Stromberg Carlson.

DeAnn C. Iwan has accepted a position as research associate with NASA and has moved to I. F. Parkway, Greenbelt, MD 20770.

Douglas Dumm is a business analyst with Xerox in Rochester, NY. His address is RD 2, 8658 Rt. 5, Holcomb, NY 14469.

W. George and Nancy P. Cain live at 45 Walden Glen, Ballston Lake, NY 12019. George is a project engineer for Mechanical Technologies, Inc. in Ballston, Spa.

David F. and Sally Larcker have moved to 336 Isabella, Wilmette, IL 60091. David is an assistant professor of accounting at the Grad. School of Management, Northwestern University.

Orrin J. Dieckmeyer, Jr. has moved to 10433 Briarbend Dr. No. 2, Creve Coeur, MO 63141. Orrin is an electrical/instrument engineer with Monsanto Company.

David D. Prigel has been promoted to senior engineer with Bendix. He and Cathy reside at 6700 E. 123 Terr., Grandview, MO 64030.

Derrill Rothermich attended AN/TSQ-73 course Apr.-Sept. 78 to learn maintenance of new army fire control computer. He is now in Germany for two years field testing the system.

Donald M. Jacques has moved to 1796 Regents Park Bd., East, Crofton, MD 21114.

Teriel and Deborah Burke have a son, Charles Robert, born June 23, 1978. Teriel is now doing traffic engineering for the Sagamon County Highway Dept.

Stephen W. Corzine's new address is: 479 Bloomingdale Dr., Mehlville, MO 63125. He is presently a computer analyst with Ralston Purina.

Robert L. Burnett is presently a district representative with Allis Chalmers. He and Marsha reside at 2200 Stoneybrook Rd., Pekin, IL 61554.

R. Dean and Lynn Bafford have a new son, Brian Carl. Their address is 308 Park Lane, Herrin, IL 62948.

Richard and Sue Riegel are proud to announce the birth of their son, Kevin Michael. He was born Aug. 23, 1978, Sue's birthday, and was 21" long. He weighed 9 lbs., 4 oz. The Riegels have moved to 5524 Hedges, Raytown, MO 64133.

Daryll and Nancy Chenoweth have moved to 115 W. Pennsylvania Ave., Urbana, IL 61801. Daryll is a project engineer with Clark, Dietz Engineers, Inc.

William and Gail Clifton have moved to 16635 Ticonderoga, Baton Rouge, LA 70816. Bill is a construction engineer with Burns & Roe.

Lawrence W. Baygents has moved to 48601 Denton Rd., Belleville, MI 48111. He is a senior engineer with Monsanto.

James D. Gantt of 5986 Dana Dr., Norcross, GA 30093, received the Specialist in Education Degree in Educational Management from Ball State University on May 19, 1979. He is an operations research analyst in the U.S. Army.

Charles and Joyce Hunsel have moved to 329 Fulton, Moberly, MO 65270. Charles is now working as an electrical engineer for Missouri Power & Light.

1973

Richard D. Harmening has accepted a position as senior engineer with Ford and he and Donna have moved to 1313 Terrell Ct., Canton, MI 48187.

Jerry and Hazel Willmore have moved to 4793 Hunters Glen, S. Memphis, TN 38128. Jerry is an R & D engineer with DuPont.

George and Sandy Gulley have moved again—this time to 722 Evergreen Dr., Mt. Vernon, IN 47620. George is a field engineer with Crawford & Russell, Inc.

After working on the Trans-Alaska Pipeline System with a consulting firm, **J. Scott Patterson, Jr.**, is now working with the Public Works Department of the City of San Rafael, CA. His new home address is 45 Tamal Vista Blvd., Apt. 533, Corte Madera, CA 94925.

George A. Schindler recently became an engineer with Union Electric. He and Catherine live at 545 Lemonwood Dr., Baldwin, MO 63011.

Richard B. Drane, Jr., and his wife Martha have moved to 10013 Commonwealth Blvd., Fairfax, VA 22032. Richard is in the U.S. Air Force and stationed at the Pentagon.

Sal J. Pagano recently moved from Houston to Midland to accept a new position as district reservoir engineer with Texas Oil & Gas Corp. He and Lesley live at 4305 Boulder, Midland, TX 79703, and would love to hear from old UMR friends.

Larry Lamano has accepted a position with Ramtek as design engineer and has moved to 450 N. Mathilda, Apt. U-103, Sunnyvale, CA 94086.

Robert J. Scanlon has been promoted by Caterpillar Tractor to assist buyer. He and Janet live at R.R. 4, Whispering Oaks, Metamora, IL 61548.

John G. Ladner, P. O. Box 22742, Ft. Worth, TX 76122, received a Master of Divinity Degree from Southwest Baptist Theological Seminary at their commencement exercise on Dec. 15, 1978.

George H. and Sandra K. Gulley have moved to 722 Evergreen Dr., Mt. Vernon, IN 47620. George is a field engineer for Crawford and Russell, Inc. in Stamford, CT.

Phillip R. and Roselyn Hagedorn have moved to 4297 Weather St. NE, Salem, OR 97301.

David and Margaret Barry have moved to 69 Brittany Dr., Fairfield, OH 45014. Dave is a product technical engineer with Procter & Gamble.

Wesley S. Watkins is a division engineer with Williams Pipe Line Co. He and Patricia Ann live at 12825 W. 78th Terrace, Lenexa, KS 66216.

FOUNDERS DAY

Saturday, March 3, 1979

Program includes dedication of
Curtis Laws Wilson
Library

Alumni Personals

1973 Continued

Michael A. and Mary E. (Beth) Walz of 13811 S. 11th St., Grandview, MO 64030, would like to report the birth of Shane Michael last Jan. 4. He joins 6 year old Carol to round out the family. Mike is still at Black & Veatch and is currently in the mechanical department.

Joseph and Mary Denise Whitener have moved to 502 Poplar St., Bonne Terre, MO 63623, where Joe works as an engineer with Union Electric.

Phyllis L. and Joe Thomas have moved to Rt. 1, Brushear, MO 63533.

Norman and Eileen Bade, 32 James Dr., St. Charles, MO 63301, announce the birth of a baby boy into their family. He was born May 30, 1977 and has a sister, Lyndell, who is 4. Norm works for McDonnell Douglas as an engineer in electronics.

Carl Tosi has left the U.S. Army, and he and the family have relocated to East Lyme, CT where he is a senior partner with Welco Homes.

James R. Fortune is now maintenance supervisor with E. I. DuPont. He and Cynthia reside at 72 Bethel Pl., Rt. 2 Washington, WV 26181.

Alen and Linda Davidson have moved to 5003 Country Valley, Imperial, MO 63052. Alen is now a process engr. with the Edwin Copper Div. of Ethyl Corp.

Charles E. B. Tothill, Jr. is a sr. engineer with Welx. Home is Del Norte No. 44, Alice, TX 78332.

Michael R. McAllister is now project engineer with IBM in Boulder. Home is 1240 Ithaca, Boulder, CO 80303.

James M. Eck is an equipment engr. I with Stearns Roger in Denver. Home is 1717 Paris Apt. No. 6, Aurora, CO 80010.

Thomas S. Brown III is now a senior structures engineer with Celanese Research Co. Home is 5 Arrowhead Rd., Whitehouse Sta., NJ 08889.

1974

Reunion At Homecoming Class Coordinators:

Karen L. Aldridge
2824 Lucena Way
Antioch, CA 94509

Ruth L. Anderson
170 Elaine Dr.
Roswell, GA 30075

Marvin E. Borgmeyer
1010 Rossmore Ave.
Baton Rouge, LA 70810

Michael O. Chase
803 Lilac Ave.
St. Louis, MO 63119

Mark A. Herzog
2908 Red Gum Gap
Longview, TX 75605

David and Mary Catherine Suiter have moved to 2030 Siesta, Spanish Lakes, MO 63138.

Marty Mattlage lives at 840 Glenwood Dr., Crestwood, MO 63126, and has been a project engineer in the corporate engineering department of Ralston Purina since Feb. 1977. "And," he wrote, "believe it or not, I will be getting married July 13, 1979."

Thomas W. Tanner's new address is 533 Ambergate Dr., Webster Groves, MO 63119. Tom is a systems engineer with Four-Phase Systems, Inc.

Captain **Raymond A. Barbeau** is the commander, 14th Chemical Detachment of the 82nd Airborne Division. Home is 742 Appalachen Dr., Fayetteville, NC 28301.

Donald L. Jackson has accepted a position as a supervisor with GTE and has moved to 3745 E. Sunnyside, Phoenix, AZ 85028.

Harry L. Ammons is an associate process engineer with Phillips Petroleum. He and Elizabeth live at 4731 State Street, Bartlesville, OK 74003.

David and Cathy Harsell have a new home at 3106 Cheyenne, Woodward, OK 73801. David has been promoted to area engineer by Union Oil Co. of Calif.

Jesse L. Yow, Jr., has accepted a position with Southern Company Services, Inc., as hydro engineer. He and Dorcas have moved to 2156 Roslyn Dr., Birmingham, AL 35216.

Jeffrey Lee Ivers is a systems analyst with the Missouri Supreme Court. Home is R.R. 5, Jefferson City, MO 65101.

Bruce and Marcia Bonczyk have moved to 1707 West Freeman, Carbondale, IL 62901.

Jerry Matthews has been promoted to assistant mine superintendent with Amax Coal Co.'s Belle Ayr mine. Jerry, Emily, and Kacey have moved to 2090 Wolff Rd., Gillette, WY 82716.

Robert J. Duenckel has been promoted to district reservoir engr.-west oper. GCOD with Marathon Oil Co.

Charles E. Barker is now a senior design engineer with Motorola, Inc. in Austin, TX. He and Barbara reside at 2800 Carmel Dr., Round Rock, TX 78664.

Lynda and Donald Short have moved to 1405 Old Frankfort Pike, Lexington, KY 40504.

Maurice E. Vandenberg is now a field sales engineer with Carborundum Corp. He and his wife, Elaine, have moved to 4953 Fulmar Dr., Birmingham, AL 35210.

Sharon Pfister has a new address, 7820 Sutter Ln., Apt. 102, Annandale, VA 22003, and a new job as a technical support representative with Johnson Systems, Inc. She hopes to buy a VA townhouse soon.

Michael and Janice Whelan have moved to 938 Meadowview Lane, Columbia, IL 62236. Michael is now a maintenance supervisor with Monsanto Chemical.

Roger Perriguet and Tom Barkalow, '74 are doing research for a possible publication on the history of practical jokes and pranks at MSM-UMR. They request that alumni who have stories to share, write to Roger at 1370 Missouri Ave., St. Clair, MO 63077.

Douglas and Harriet Warden have moved to 2860 Janet, Pocatello, ID 83201. Doug is a facility engineer for Westinghouse Electric Corp. in Idaho Falls.

David A. and Lynn C. Rice live at 11630 Corona Ln., Houston, TX 77072. Dave is a senior petroleum engineer.

Salil K. Banerjee has moved to 3333 Cummins, No. 162, Houston, TX 77027. He is a senior research engineer with Exxon Production Research Co.

Anthony L. Mei became a P.E. (Civil) recently and is currently the program coordinator for all EPA environmental programs administered by the Territory of Guam. Tony and Pat have a one-year-old son, Peter. Their address is 1225 Ridgeview Ct., Novato, CA 94947.

Robert and Carol Brockmeier have moved to 908 S. Owens Ct., Lakewood, CO 80226. Bob has a new position as design engineer with Adolph Coors Co.

Richard W. Mussmon has been promoted to Major in the U.S. Army. He and Debra live at 28 Dragoon Dr., Ft. Leavenworth, KS 66027.

David and Sylvia Hughes have moved to 248A Foxglen Rd., Birmingham, AL 35215, where Dave has accepted a position as metallurgist with Dixie Bronze Co.

John R. Gohring has moved to 5821 West 4th Ave., Lakewood, CO 80219, where he works for National Farmers Union as a programmer/analyst.

Richard Payne has moved to 16 Sherwood Ct., Champaign, IL 61820. He is a project engineer with Clark, Dietz & Assoc. Engrs., Inc.

Dennis and Sandy Marbut have moved to 530 Primrose Lane, Republic, MO 65738. Dennis is a mechanical engineer with DAYCO.

David A. and Virginia Mittler have moved to 1842 Christo Ct., St. Louis, MO 63138, where David is in sales with LaBarge, Inc., Tubular Division.

Charles Meyer has moved to 203 Monroe, Bethlehem, PA 18017. He is an engineer with Bethlehem Steel.

Gilbert E. and Marion Elliott have moved to 11881 Archerton Dr., Bridgeton, MO 63044, where Gilbert is a supervising engineer with Union Electric Co.

Bruce L. Johnson has moved to 832 W. Willow, Louisville, CO 80027, where he is a project engineer with Boulder County Public Works.

Jerry L. H. Anderson has moved to 7595 W. Bruno, St. Louis, MO 63117. Jerry is working in the Buyer-Purchasing Dept. of Union Electric.

1975

Dennis D. Kile has accepted a position as a staff engineer with Burns & McDonnell. He and his wife live at 9411 Manchester, Kansas City, MO 64138.

David Heideman is an engineer with L. E. Heideman Co. He and Nancy reside at 291 Burning Leaf, St. Charles, MO 63301.

William F. Lueckenhoff has accepted a position as a civil engineer with the Missouri Dept. of Conservation. Home is 1415A W. Main St., Jefferson City, MO 65101.

Allen B. Agnew recently received a U.S. Dept. of Interior Appreciation Award for work he has done on the Federal Coal Leasing program. Allen and Joyce ('76) have purchased a new townhouse. Their new address is 2054 Headlands Circle, Reston, VA 22091.

Robert C. and Shirley Hill have moved to 622 Clear Creek Ct., Ballwin, MO 63011.

Billy K. Winters, Jr. is a paint chemist with Cargill. He and Kathryn reside at 17900 Excelsior Blvd., Minnetonka, MN 55343.

Cleve and Judy Kurz's new address is 9210 Kirkmont, Houston, TX 77089. Cleve is an engineer with Monsanto.

Robert W. Parsons is now the manager, coal supply and acquisition with United Energy Resources in Houston. He and Lynda reside at 15718 Winding Moss, Houston, TX 77068.

Kenneth J. Courtney is now a stress analyst-energy consultant with Beech Aircraft Corp. He and Joyce have moved to 202 N. Rock Rd., Apt. 410, Wichita, KS 67206.

Dennis B. Wehmeyer's new address is 3835 Penbrook, No. 101, Odessa, TX 79762. Dennis is a petroleum engineer with Getty Oil Co.

David and Barbara Prudic have moved to 19 Rigi Ct., Selkirk, NY 12158. Dave is a hydrologist with the USGS.

Tommy Noel has moved to Apt. J-7, 101 N. Five Points Rd., West Chester, PA 19380. He is a sales representative for Siemens-Allis.

John D. and M. Kathleen Unks have moved to 18334 E. Arkansas Ave., Aurora, CO 80013. John is a staff development geologist for Petro-Lewis Corp. in Denver.

Donald L. Uher has moved to 201 SE Avondale, Apt. 14, Bartlesville, OK 74003. Don is a systems programmer for Phillips Petroleum in Bartlesville.

Tzyy-Cheng and Ye-Lion Liu Wang have moved to 3390 Andy St., No. 2, Long Beach, CA 90805. Tzyy-Cheng is an engineering scientist specialist for McDonnell Douglas Aircraft Co. in Long Beach.

MSM-UMR Alumnus Welcomes Pictures With News Items

Alumni Personals

1975 Continued

Fred Storck recently returned from Saudi Arabia where he served as a field staff engineer for Black & Veatch Arabia, Ltd., for the past 18 mos. After his return, he married Karen Jo Stroker of Vandalia, Mo. Karen just completed her B.S. in accounting at NMSU. Fred and Karen reside at 12820 15th St., Apt. 140, Grandview, MO 64030.

John M. and Nancy Kaufman have moved to 3052 S. Fairplay St., Aurora, CO 80014. John is an environmental specialist for Rocky Mountain Energy Co. in Denver.

Rick W. Katterhenry has accepted a position as project engineer with Williams Pipeline. He and Susan have moved to 307 Sherlyn Lane, Sapula, OK 74066.

Gregory A. Hellwig of 4221 3rd Ave., Apt. A, Chattanooga, TN 37416, bought 3 apartments and is now playing landlord. He is working on his MBA at the University of Tennessee-Chattanooga nights and is 2/3 through. Greg also works as a mechanical engineer with TVA. His responsibilities there include purchasing light vehicles, researching electric vehicles and Gasohol programs. Oh, yes, he is still single.

William F. and Mun Wilson have moved to 7501 Vernon Square Dr., Apt. 302, Alexandria, VA 22306. Bill is a Major in the U.S. Army Corps of Engineers at Fort Belvoir.

Steve and Amy (Dueker) Robbins have moved to 8416 S. 77th E. Place, Tulsa, OK 74133. Steve is a research geophysicist for Amoco's Houston office. Amy is now working in the seismic programming department at Seismograph Services Corp. Both are enjoying the Tulsa area and welcome visitors anytime.

Bernard C. and Kathy Lucas, Jr., are living at 2504 Cimmaron, Midland, TX 79701. Bernard is a reservoir engineer with Northern Natural Gas.

Richard and Ok Soon Kayfetz have a new address: USA Engineering Division, Europe, APO New York, NY 09757. Richard is a construction manager in the US Army.

Michael S. and Bonnie Beuke are living at 1010 Paris Road, Mayfield, KY 42066, where Michael is a product manager with Ingersoll-Rand Co.

Michael F. Dorlac's address is 4459 Nellie St., Riverside, CA 92503. Mike is an electronics engineer with the Fleet Analysis Center in Corona, CA.

Ronald G. Simon has moved to 1001 36th St., Apt. 79, W. Palm Beach, FL 33407, where he is a materials engineer with Pratt & Whitney Aircraft.

Martin K. Reynolds has moved to 5517 A. Golf Ridge, St. Louis, MO 63128. Martin is a staff manager of special services with Southwestern Bell.

Frank D. and Christina Gac have moved to 1111 NE 165th St., Seattle, WA 98155. Frank is a research engineer with the University of Washington.

Donald E. and Carol Simpson have moved to 420 Winterset, Columbus, MS 39701. He is a civil engineer with the U.S. Army Corps of Engineers.

Mark E. and Joan Henneberry have moved to 3814 Grant St., Reading, PA 19606. Mark is a process engineer with Kaweeki Berylco Industries.

1976

R. Kevin Oberdick is now receiving his mail at P.O. Box 212, Independence, KS 67301. He is an associate engineer with ARCO Pipe Line.

David R. Bradley has moved to 317 College, Gallatin, TN 37066. He is a quality assurance engineer with TVA.

Barry G. Garvin is a district engineer with Continental Pipeline. He and Gail live at 2404 W. Canton Place, Broken Arrow, OK 74012.

Robin A. Murphy lives at 20100 M 78 Highway, Independence, MO 64057, and is working as an engineer with Western Electric.

Lt. William K. Mieke, USAF has been awarded the Air Force Commendation Medal for his "innovative and imaginative engineering solutions to corrosion problems experienced by Air Force aircraft." His address is PSC Box 55352, Mather AFB, CA 95655.

Gary W. Rhodes is a staff engineer with Law Engineering Testing Co. He and Diane have moved to 2512 Drew Valley Rd., Atlanta, GA 30345.

Peter N. Gruendler, Jr. and his wife, Sequel Lynn, live at 4311 Maxwell Ave., Evansville, IN 47715. Pete is a sales engineer for Si; Smith-Gruner in Evansville.

Dennis G. and Elizabeth Barclay live at 8047 Grow Ln., Apt. 246, Houston, TX 77040. Dennis is a sales engineer for Hydradyne Hydraulics in Houston.

Danny L. and Virginia Harris have moved to 33 Wendy, St. Peters, MO 63376. Danny is a plant engineer for McDonnell Aircraft Co. in St. Louis.

Patrick A. Tibbits lives at 745 International Blvd., E132, Houston, TX 77024. Patrick is a product development engineer for Cameron Iron Works in Houston.

Randall L. Hughes is a works standards engineer with G.M.A.D. in Kansas City. Home is 4030 Clark, Apt. 2, Kansas City, MO 64111.

Timothy G. and Sharon Ann O'Neill have moved to 2107 7th Ave., Apt. 23, Bell Fourche, SD 57717. Tim is a mining engineer at N. L. Industries Wyoming Bentonite Operations.

Donald J. Chronister has accepted a position in the materials and processes development department of McDonnell Douglas. Don and Nancy live at 1022 Briarton Dr., Crestwood, MO 63126.

Gregory and Cathryn Haug have a new address: Rt. 3 Box 344C, Hannibal, MO 63401.

John D. and Deanna Carter have moved to Park Lane Village No. 20, Wheatlane, WY 82201. John is a resident engineer with Burns and McDonnell.

Bruce W. Haigh has been promoted to Chief, Facilities Engineer Div., with the U.S. Army. He and JoAnne live at 203 Westover Drive, TOAD, Tobyhanna, PA 18466.

Pamelia R. Edwards, nee Clarke, married Johnnie Edwards, Jr. in 1978 and they have a son Scott Clarke Edwards, born Christmas day. Pam wants to hear from her old computer science friends. Home is 2053 S. Ridgewood, Wichita, KS 67218.

Bill and Sharon Ahal have moved to 2565 Grayland Walk, St. Louis, MO 63129.

Tom and Brenda Moyes and son Shelby have moved to 3404 S. 148th East Ave., Tulsa, OK 74134. Tom is a senior design engr. with the pump div. of Byron-Jackson.

Tom Edelman has a new job as a civil engineer with Pizza Hut, Inc. He and his wife have moved to 928 S. Mission, Wichita, KS 67207.

Donald Repp is now an engineering planning district with Southwestern Bell. He and Barbara live at 1123 S. Paula, Springfield, MO 65804.

William and Lynne ('73) now reside at 606 Jasmin, Kirkwood, MO 63122. Bill is an adjuster with Factory Mutual Engineering Assoc., and Lynne is a hydraulic engineer with the Corps of Engineers.

Barry W. Krasner is a computer programmer with PBL Associates. Home is 1053 Bush St., Apt. 9, San Francisco, CA 94109.

James M. Eye is now an engineer with Du Pont at the Savannah River Plant. Home is 709 Bismark Circle, North Augusta, SC 29841.

Joyce and Allen ('75) Agnew announce that they have bought a house and that their new address is 2054 Headlands Circle, Reston, VA 22091.

Marion J. Hoormann is now the plant manager of Victor Foods, Inc. in St. Charles, MO. He and Linda have moved to 934 Silverstone, St. Charles, MO 63301.

1977

Ricky R. Vogel has moved to 9655 SW North Dakota St., Apt. 34, Tigard, OR 97223. Ricky is an engineer with Morvue Electronics Systems.

Mark and Roxann Ryan have a new home at 2023 W. 48th St., Shawnee Mission, KS 66205. Mark is working for Panhandle Eastern Pipe Line Co.

Bruce H. Allen of 1311 Aetna, Apt. 3C, Burlington, IA 52601, was recently promoted to Maine Maintenance Engr. by U. S. Gypsum.

Judith E. Mulvany a geologist with Mack Oil Co., now resides at 415 W. Chestnut St., Duncan, OK 73533.

John W. Renner has accepted a position with Garver & Garver Engrs., as a design engineer, and he and Cinthia have moved to 5813 Baseline No. 105, Little Rock, AR 72209.

Brent Barton now works for Watlow Electric Mfg. Co. in St. Louis as an application engineer. Brent and his wife Debbie live at 639 W. Rose Hill, Kirkwood, MO 63122.

Michael W. Jones has accepted a position with Whitaker Cable as an engineer and has moved to 834 NE 68th St., Gladstone, MO 64118.

Fakhri and Mahmoud Davarpanah live at 2619 Fox Harbour Den, Indianapolis, IN 46227. Fakhri is a processor for Stewart Warner, Southwind Division in Indianapolis.

Randall W. and Lynda Beth Sherer have moved to 540 N. Third, Villa Park, IL 60181. Randy is a systems application engineer for Allen-Bradley Co. in Chicago.

John R. Walker has moved to 105 E. 52nd St., Apt. 105B, Austin, TX 78723. John is an assistant instructor at the University of Texas, Economics Dept. in Austin.

Kurt S. Nielsen's new address is c/o American Can Co., P.O. Box 3748, Modesto, CA 95352. Kurt is an I.E. project engineer for American Can Co. in Modesto.

Edmund and Rae Ann Kobylinski live at 1084 Carlton Ct., Apt. 1 D, Frederick, MD 21701. Ed is an environmental science officer with the U.S. Army at Fort Detrick.

Steven P. Bischof has moved to 9001 Town Park Dr., No. 48, Houston, TX 77036. He is an engineer with Brown & Root.

Sean Eugene Price is now a reservoir engineer with Midland Oil Co. His new address is 2439 Whitmire, 56-F, Midland, TX 79701.

Paul E. Wonderly is now a project engineer with Continental Oil Co. in Ponca City, OK.

Bruce Schaller of 600 W. Kentucky, Effingham, IL 62401, is currently working for Central Illinois Public Service Co. as a construction engineer.

1978

Stephen R. and Peg Brown live at 714 E. 23rd, Apt. 2W, Casper, WY 82601. Steve is a mining engineer for Cleveland Cliffs Iron Co. in Casper.

William J. Cissell, Jr. has moved to 10411 W. 70th Terr., No. 104, Shawnee, KS 66203.

Rosa L. Heman has moved to 2580 Norcross-Tucker, Apt. 8-153, Norcross, GA 30093. Rosa is an engineer for E. I. DuPont in Tucker.

Kevin J. and Marilyn Merrill have moved to 18C Colonial Dr., Rocky Hill, CT 06067. Kevin is an analytical engineer for Pratt and Whitney Aircraft in East Hartford.

1978 Continued

Daniel B. Smith lives at 136 Woodside Apts., Utica, NY 13501. Dan is an engineer for General Electric in Utica.

Nathan C. Myers has accepted a position with John B. Gustavson as a field geologist and moved to 21 Windsor, Rolla, MO 65401.

Kevin C. Bodenhamer has moved to 3269 Riverside Dr., Apt. 241, Tulsa, OK 74105. He is a project engineer with Cities Services Co. in Tulsa.

Elaine A. Christian has accepted a position as voltmeter service engineer with Hewlett-Packard, and is making her home at 715 SW 16th St., Apt. 5, Loveland, CO 80537.

Bahram Daneshgar is now a product evaluation engineer with Sperry Univac in Roseville, MN.

Samuel W. France is a group engineer with the U.S. Army Corp. of Engrs. He and Deborah receive their mail at Box 2618 HHB 10th ADAGP, APO New York, NY 09175.

James E. Klutho is living at 424 N. Baccard, Pampa, TX 79068, where he is an engineer with Gulf Oil.

Kevin B. Adkinson has moved to 1801 Railroad Ave. No. 33, Rifle, CO 81650. He is working as a field engineer with Gilbert Corp. of Delaware, Inc.

Gerard T. Bast has moved to 4258A Jane, St. Ann, MO 63074. He is an associate engineer at McDonnell Douglas.

John and Rita Heller have moved to 120 E. George, Apt. 420, Bensenville, IL 60106. John has a new position with GTE Automatic Electric as an engineer.

Darryl and Robin Brinkman's new address is 1725 Moundford Ct., Decatur, IL 62526.

Robert K. Chapman, Jr. is a loss prevention representative with Liberty Mutual Insurance. Home is 6942 Berkridge Ct., Hazelwood, MO 63042.

Charles and Beverly Brune have moved to 8233-B Normandy Trace Ct., St. Louis, MO 63121. Charles is a programmer with CSI.

Kent Richardson has accepted the position of environmental control engr. with the Illinois Dept. of Public Health.

Kenneth R. Sewell is an associate analyst/operations research div. with Continental Oil Co. He and Cathy reside at 10070 Westpark, Apt. 101, Houston, TX 77042.

James M. Roberts is a field engineer with Peabody Coal Co. Home is 205 E. Lincoln St., Harrisburg, IL 62946.

Reyhanolla Masnavi lives at 1900 Cedar St., Apt. 2, Rolla, MO 65401.

Martin D. Hoffman, a December graduate, has received the A. E. Marshall Award of the AIChE for his solution of AIChE's 1978 Student Contest Problem. Martin is working toward a M.S. in chemical engineering at UMR; his address is 600 E. 7th, E Apt., Rolla, MO 65401.

MSM-UMR Alumni Association

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

OFFICERS

			Term Expires
President	Joseph W. Mooney '39	7383 Westmoreland University City, MO 63130	1980
President Elect	Robert D. Bay '49	222 Magna Carta Lane St. Louis, MO 63141	1980
Vice President	Frank C. Appleyard '37	808 Solar Glenview, IL 60025	1980
Vice President	Arthur G. Baebler '55	20 Fox Meadows Sunset Hills, MO 63127	1980
Vice President	Alfred J. Buescher '64	2640 Quail Lane Northbrook, IL 60062	1980
Vice President	James B. McGrath '49	Fru-Con 1706 Olive St., St. Louis, MO 63103	1980
Secretary	Robert V. Wolf '51	Dept. of Metallurgical & Nuclear Engr. UMR, Rolla, MO 65401	1980
Treasurer	Vernon T. Loesing '42	Dept. of Civil Engr. UMR, Rolla, MO 65401	1980

DIRECTORS AT LARGE

		Term Expires
Allan H. LaPlante '63	Continental Oil Co., P.O. Box 2197, Houston, TX 77001	1980
Belding H. McCurdy '38	7400 Sun Island Dr., South, Suite 711, South Pasadena, FL 33707	1981
E. L. "Roy" Perry '40	8150 Leesburg Pike, Suite 600; Vienna, VA 22180	1980
Walter C. Mulyca '65	203 Hillcrest, Marshall, TX 75670	1981
Lawrence A. Spanier '50	5 Pettit Dr., Dix Hills, NY 11746	1979
John O. Wilms '43	17700 South Avalon, Space 59, Carson, CA 90745	1979

Area Zip

Code Numbers	AREA DIRECTORS	Term Expires
00-14	Raymond T. Ruenheck '50	7 Montevue, Chelmsford, MA 01824
15-21	J. D. Patterson '61	1660 Ashlawn Dr., Pittsburgh, PA 15241
22-33	Bill L. Atchley '57	1266 Crestwood, Morgantown, WV 26505
35-45	William D. Busch '42	20001 Idlewood Trail, Cleveland, OH 44136
46-59	George Baumgartner '56	2120 Syracuse, Dearborn, MI 48127
60-61	Allen G. Behring '66	447 S. Euclid, Villa Park, IL 60181
62-62	Ernst Weinel '44	1502 West 50, O'Fallon, IL 62629
63-65	Matteo A. Coco '66	7115 Aliceton Ave., St. Louis, MO 63123
63-65	Martha Gerig '69	801 Fairground Road, Rolla, MO 65401
63-65	Leonard C. Kirberg '66	331 Carmel Wood Dr., Ellisville, MO 63011
63-65	Robert W. Klorer '44	7500 Natural Bridge Rd., St. Louis, MO 63123
63-65	Harold A. Krueger '42	Ozark Lead Co., Rural Branch, Sweetwater, MO 63680
63-65	J. Robert Patterson '54	Show-Me, Inc.; P.O. Box 573, Sikeston, MO 63801
63-65	George R. Schillinger '63	7598 John Ave., Oakville, MO 63129
63-65	Paul R. Munger '58	Director, Institute of River Studies, UMR, Rolla, MO 65401
63-65	C. M. Wattenbarger '41	205 W. First St., Terrace, Lamar, MO 64759
63-65	Edwin J. Werner '49	102 N. 12th St., Blue Springs, MO 64015
66-74	Herman Fritschen '51	5249 S. 68th East Place, Tulsa, OK 74145
75-79	Rex Alford '40	5743 Jason, Houston, TX 77035
80-89 & 96-99	Victor J. Hoffmann '60	31057 E. Lake Morton Dr., SE. Kent, WA 98031
90-95	E. Murray Schmidt '49	c/o E.F. Fahey, 220 Mar Vista Drive No. 91, Aptos, CA 95003

COMMITTEE CHAIRMEN DIRECTORS

H. W. Flood '43	183 Main St., Acton, MA 01720
Joel F. Loveridge '39	739 Country Manor Lane, Creve Coeur, MO 63141
Hans E. Schmoltd '44	Schmoltd Engineering Services Co., Inc., 526 S. Seminole, Bartlesville, OK 74003

EXECUTIVE COMMITTEE

		Term Expires
Richard H. Bauer '52	Missouri Electrochem, Inc., 8013 Dale St., Richmond Heights, MO 63117	1984
Robert M. Brackbill '42	Texas Pacific Oil Co. 1700 One Main Place, Dallas, TX 75250	1982
Peter F. Mattei '37	9954 Holliston Court St. Louis, MO 63124	1980

EX-OFFICIO DIRECTORS

Paul T. Dowling '40	10144 Winding Ridge Rd., St. Louis, MO 63124
R.O. Kasten '43	901 West 114th Terrace, Kansas City, MO 64114
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Kris Curtin	Records Coordinator, MSM-UMR Alumni Association & Computer Terminal Operator, Alumni Activities, University of Missouri-Rolla

MSM-UMR Alumni Association, Harris Hall, UMR, Rolla, MO 65401

Founders Day
March 3

Alumni-Student-Faculty
Conference
April 26-27

Semi-Annual Board Meeting
April 28

Class of 1929 Reunion
May 11, 12, 13

Homecoming
October 12 & 13

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