



Missouri S&T Magazine, February 1982

Miner Alumni Association

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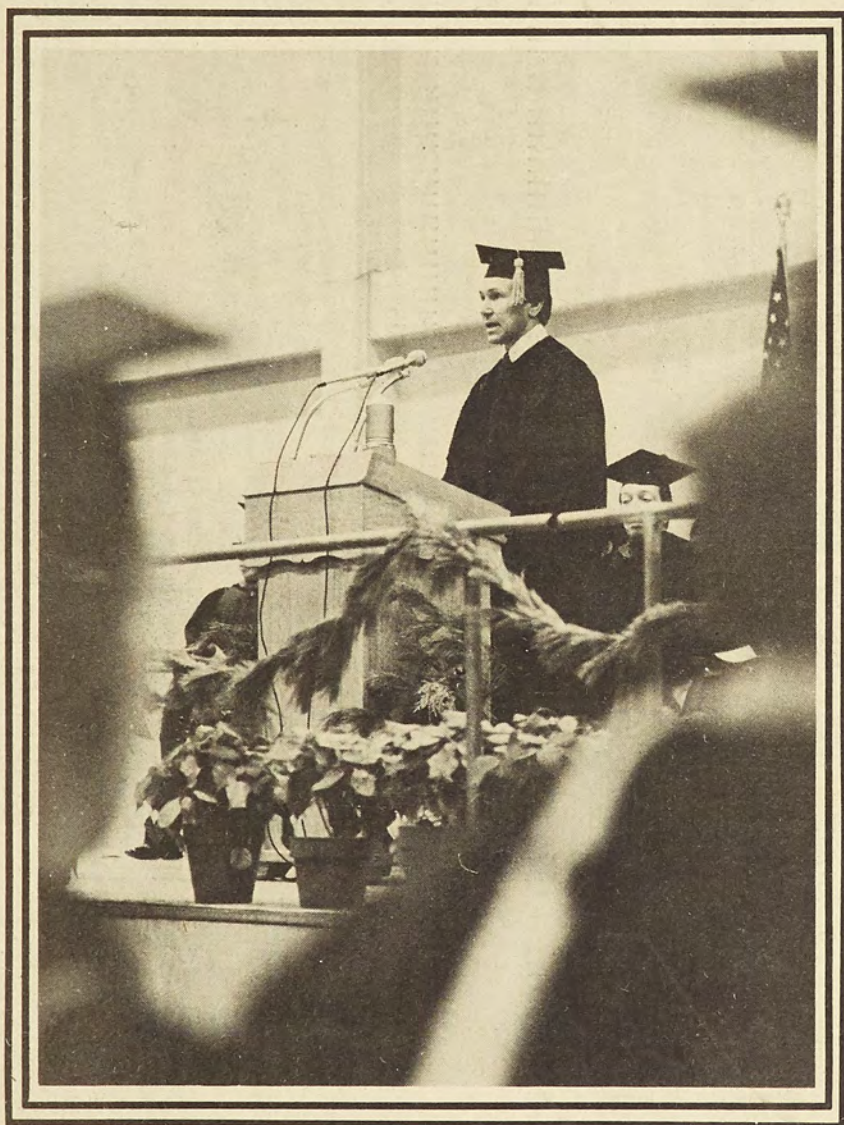
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m s m

Alumnus

University of Missouri-Rolla



Honor Roll Issue

February, 1982



UMR Chancellor Joseph Marchello, center, examines a copy of the "hot off the press" electrical engineering textbook written by Gabe Skitek, right, and Stan Marshall.

A Textbook For Students

Gabe and Stan wrote it, but UMR students tested it, critiqued it, illustrated it, proofed it, and will ultimately use some of the royalties.

The book is "Electromagnetic Concepts and Applications" published by Prentice Hall (copyright 1982) and it costs \$27.95. It is a book to be used for a two-semester course in electrical engineering at the junior level.

The authors are G. G. Skitek, '43, professor emeritus of electrical engineering, and Stanley V. Marshall, associate professor of electrical engineering. Gabe was on the UMR faculty for 38 and a half years before his retirement in 1981, and Stan has been in the EE department at UMR for 15 years.

The book was started by Gabe in 1978. Stan came on board as coauthor after Gabe's heart surgery in 1979. The original idea was to write a textbook to embody the teaching and presentation techniques used successfully in this particular

course for many years.

In the process of putting the book together, the two authors included the students in a number of ways. For three years the students used copies of the original manuscript as their textbook (it was up-dated each semester). In each class the students were encouraged to comment on the material, question the content, and if they found errors—either in content or typographical—they were given points which they could use to improve their grades (one student went from a B to an A on typos alone).

Some drawings done by the students were used to illustrate the text, which is almost a self-study manual. Solutions to problems, as worked by the students, have been included in the solutions manual which is available for instructors using the book.

The textbook will, of course, be used for the course at UMR. It has been approved for use on the Columbia campus, also, and is under consideration by the Kansas City campus. As the distribution becomes more widespread, other engineering campuses in other states may choose to use the text.

Students will have a share in the royalties due the authors, also. Gabe Skitek's royalties for sales on UM campuses will be designated as a donation to the campus chapters of Eta Kappa Nu, electrical engineering honorary. Eta Kappa Nu uses the money it receives or raises for freshmen scholarships. Gabe has a particular fondness for Eta Kappa Nu because he was one of the founders of the Rolla chapter and served as adviser for the group a number of times. Incidentally, his son, David G. Skitek, '67, a member of the faculty on the Kansas City campus, is a founder and adviser to the Eta Kappa Nu chapter there.

Stan Marshall's share of these same royalties will be assigned to the electrical engineering department development fund. These funds are used for a variety of purposes such as faculty development, purchase of equipment, or travel funds for students and faculty who wish to attend professional meetings.

This is one textbook which has been specifically geared to students. Professors Skitek and Marshall even dedicated the book to those in their 1979, 1980 and 1981 classes. The dedication reads,

"To our students, who tolerated the use of our manuscript in its many stages of iteration and assisted in finding errors and making constructive comments."

On The Cover

Lloyd Reuss, '57, vice president of General Motors Corp. and general manager, Buick Division, delivers the address at Winter Commencement exercises in December. Reuss (story on page 20) was also awarded a Doctor of Engineering degree (Honoris Causa).

MSM ALUMNUS (USPS-323-500)

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Annual Alumni Fund

Once again UMR alumni have generously provided increasing support for the campus and their association.

The Annual Alumni Fund supports homecoming, commencement and class reunion activities; the annual Alumni-Student-Faculty Conference; libraries; faculty awards; alumni awards; special projects; the MSM ALUMNUS and Alumni Directory; newsletters, and grants-in-aid to the Wilson Library, the music program and the athletic program.

One of the most important facets of the Annual Alumni Fund is the direct support it provides for more than 100 students each year through the Alumni Educational Assistants Program (employment for undergraduates as research assistants or in academic or support departments) and scholarship awards (some as high as \$1,500 per year).

Another vital activity supported by the fund is the maintenance of current information on approximately 32,000 alumni and their friends.

MSM-UMR Alumni Association Income Statement

	Calendar 1980	Calendar 1981	
Alumni Gifts			
Unrestricted	\$119,010.29	\$150,816.00*	
Designated	37,564.95	39,316.43	
	\$156,584.24		\$190,132.43
Matching Gifts			
Unrestricted	36,600.48	36,732.00	
Designated	3,525.00	7,365.00	
	40,125.48		44,097.00
Totals	\$196,709.72		\$234,229.43
Earned interest included:	\$9,106.12		\$17,139.81

*Included are alumni gifts of stock totaling \$15,424.24 being held for investment or later sale.

1903

Hauenstein Frederick

1912

Grosberg Alexander

1914

Simrall Riley M.

1916

Adams Bernard W.
Mc Cartney William H.
Vogel Herman H.

1918

Doennecke Henry W.
Weiser Hanley H.

1919

Scott J. Walter

1920

Barnard Charles R.
Bash David A.
Forqotson James M.
Homer St Clair
Hopcock Harland H.
Nolte William J.
Terry Mark L.

1921

Needham Albert B.



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1922

Ackers Albert L.
Case Walker E.
Christner Glen J.
Machin Edwin G.
Wheeler Ernest S.

1923

Campbell E. Taylor
Choneau Henri
Dorris Milburn L.
Flesh David J.
Ford Ragan
Frane Wayne S.
Frey Muir L.
Gatts William P.
Gregg James L.
Pesout Edward
Remmers Walter E.
Wanenmacher Joseph M.
Whitworth Virgil L.
Wilkerson Augustus B.
Zimmermann Dee

1924

Andrews J. Lewis
Beardmore Harold R.
Blake Philip L.
Casey Walter E.
Jett James E.
Kemper Claude L.
Kentnor, Charles B. Jr.
Kessler Harry H.
Love Perry R.
Lovett Israel H.
Wright Wilford S.

1925

Atkinson, Marion L. Jr.
Baker Donald R.
Berry Hugh R.
Pagan Thomas E.
Gaines George D.
Godwin William
* Hauck William P.
Heim Carl J.
Heitmann Albert L.
Kuchler Adolph H.
Kutlack Fred P.
Pasley James L.
Schneeberger Fred C.
Valerius Claude W.
Ward Ronald D.

1926

Birchard Harry C.
Gammeter Elmer
Kitchen Charles L.
Lindenau Edward M.
Smith C. Cabanne
Staples Guy W.
Thomas Harold S.
Thompson Bennet P.
Tyrrell Morris L.

1927

Barnard Albert E.
Bisett Donald J.
Boismenué Clyde F.
Bossert Harry P.
Clearman Frederick
Dayenport Bowman
Griffith H. M.
Hoover Paul K.
Kraft Ned O.

1927 Cont.

Moran Ernest
Parsons Edward W.
Paul Murray J.
Seydler Frank K.
Siewers Edwin R.
Smith James P.
Thomas Harold D.
Weber Paul
Weiss Clarence B.

1928

Baumgartner Rupert P.
Boyer Phillip J.
Crumbaugh Daniel H.
Donaldson James G.
Faulkner Edward C.
Freeman Charles A.
Gross Henry E.
Herman Theodore
Hill Albert L.
Histed Howard
Hodgdon, Sam D. Jr.
Moreland Howard B.
Roberts Gerald A.
Schweickhardt William K.
Slates Burl Y.
Smith J. Warren

1929

Coil Benjamin R.
Crays Glenn E.
Crum E. Jefferson
Dittmer Russell S.
Drake William L.
Dresbach Charles H.
English Thomas O.
Green T. Howard
Johnson Charles W.
Jones Harlow G.
Kemp Arthur H.
Kira Emmet R.
Nonsch Henry D.
Norris Orville W.
Potter C. J.
Salley Carl L.
Schuette Louis H.

1930

Alexander Verne
Beatty Ren
Davis Willard E.
Dillingham Marion A.
Gilmore William H.
Grimm C. James
Harvey Edwin T.
Hoeman Erwin C.
Kirkpatrick Harry P.
Martin Roy S.
Miller Dennis H.
Neal Kenneth R.
Osterwald Herbert R.
Payne Richard P.
Regenhardt Edward T.
Scheer Henry O.
Sharp William T.
Shearer Andrew C.
Stone S. Allan
Thomas Myron P.

1931

Conley Jack N.
Donaldson William E.
Epperson Ernest R.
Gevecker Vernon A. C.
Harrison Albert
Hassler Milburn
Heilig Warren
Herrell R. R.
Herron Henry R.

Dear Sirs:

I would like to thank you for selecting me to receive the Alumni "Special" Scholarship. It is a great honor for me to receive this scholarship. Good grades have finally paid off.

I am looking forward to attending the University of Missouri at Rolla in the fall. Once again, thank you for this scholarship.

Sincerely,
David Asselmeier, Jr.
Columbia, Ill.

Editor's Note: David will be a freshman in computer science.

1931 Cont.

Kirkpatrick Ruel L.
Mc Cracken William L.
Pace George M.
Page Clifford P.
Pertici Andrew L.
Ross Charles E.
Spurling Elmer J.
Throgmorton Gordon R.
Wade Rolla T.
Wilhite Clyde E.

1932

Birt Floyd D.
Brewer William
Bruegging Harold J.
Davis Stuart L.
Elsa Carl A.
Gallemore Willard A.
Gibbs Harold L.
Hale Edward D.
Hoeman Arthur J.
Horn Rex T.
Johnson Leon K.
Kassay Andrew W.
Lundius Roy H.
Macklin Floyd S.
Mays William R.
Mc Creight Richard L.
Meyer Henry W.
Monroe Rex
Pollak John A.
Reid Allen J.
Rhoades Robert P.
Richardso James K.
Riggs W. Robert
Roesser Robert J.
Runder Raymond H.
Schwarz Arthur S.
Taylor Samuel E.
Thompson Homer P.
Wiethop Russell H.
Williams, Arthur J. Jr.
Wilson Frederick G.
Zvanut Frank J.

1933

Achuff Charles E.
Asher Vernon L.



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1936 Cont.

Nenefee James H.
 Michel Hilbert F.
 Nations George O.
 Pfeifer Herman J.
 Prange Robert L.
 Rasor John P.
 Roy Edward A.
 Schwalbert William H.
 Simmons Robert W.
 Springer Robert M.
 Thompson Hoyt G.
 Walker, William E. Jr.

1937

Appleyard Frank C. Jr.
 Barclay, Arthur H. Jr.
 Brewer Walter F.
 Busch William C.
 Cardetti Richard J.
 Carrolia Ross R.
 Culbertson William W.
 Grimm Donald F. R.
 Holz Walter L.
 Jones Walter T.
 Logan Edwin W.
 Mattei Peter F.
 Mc Clanahan Arthur L.
 Millard Frank S.
 Post Samuel S.
 Rodman Wilfred K.
 Schaumburg Grant W.

1933 Cont.

Beinlich Alfred W.
 Brown William A.
 Coghill William W.
 Doll Ellen W.
 Dunn Lee D.
 Edgar M. Russell
 Farmer John O.
 Federow Harry
 Hunze Charles L. W.
 Jabsen William J.
 Kaczmarek Theodore B.
 Kay William W.
 Koopmann, William Jr.
 Lambur Charles H.
 Lanz Fred H.
 Lee Bernard S.
 Long Don H.
 Husson George H.

1934

Beard John
 Berni Samuel A.
 Brasaeme Ray I.
 Bruening Walter H.
 Cole Ralph C.
 Dobson Richard J.
 Duncan Oscar M.
 Faqan Durward E.
 Ford, Homer T. Jr.
 Heim Edwin A.
 Hudson Richard G.
 Jackson Leroy H.
 Joslin Le Compte
 Kruse Cornelius W.
 Maise Clemens R.
 Mc Kinley John H.
 Mc Reynolds Elmer L.
 Poese Lester E.
 Sackewitz Robert A.
 Springer William R.
 Stewart, Thomas J. Jr.
 Sullentrup Leo J.
 Tuttle Lauren P.
 Weigel Robert C.
 Westerfeld Wilfred W.

1935

Bates William E.
 Buck Robert H.
 Campbell William J.
 Colman Howard B.
 Dutton Donnell W.
 Edgar Max E.
 Haffner Harold J.
 Hoffman Emil D.
 Johnson Robert W.
 Kamper Oliver W.
 Knoll Rudolph J.
 Koopmann August P.
 Mc Bill William H.
 Mc Donald Collins H.
 * Murphy James J.
 Wolde, George T. Jr.

1936

Arnold, Frederick W. Jr.
 Barrow Carlton W.
 Beard Reade M.
 Chapman Robert T.
 Clanton Jack P.
 Dally Eugene J.
 Dennis William F.
 Fiss Edward C.
 Hoerner Alan J.
 Hoffman Richard H.
 Kirwan Armondo J.

1938

Alger Robert P.
 Ballman Edward A.
 Bliss Allen D.
 Clayton Charles L.
 Cornett Roy C.
 Ellis J. Craig
 Goodrich Frank N.
 Hill Eugene F.
 Howerton Joseph W.
 Jarboe Rupert A.
 Koeppel Beverly W.
 Lanier Eugene B.
 LeGrand Jesse S.
 Morrison Frederick
 Murphy Joseph H.
 Nickel Melvin E.
 Rogers Raymond H.
 Spotte Irvin C.

1939

Barger Hubert S.
 Boorky Morris
 Boulson Charles E.
 Carter Robert A.
 Claridge Elmond L.
 Dieffenbach Robert P.
 Dods Stuart
 Elliott Edward E.
 Elliott Lewis C.
 Ellis William R.
 Finley, Thomas J. Jr.
 Graber Lewis J.
 Heiser Frederick W.
 Hoffman, Ray E. Jr.
 Johnson E. Herbert
 Kidd Harold S.
 Lintner Carl W.
 Livingston John H.
 Livingston Robert G.
 Mc Cav Jack
 Mooney Joseph W.
 Moore Jack W.
 Mueller George E.
 Russell Walter E.
 Pohlmann Edgar F.
 Post John R.
 Rea William R.
 Rhodes A. E.
 Roarig Wilbert A.
 Roe Lawrence A.
 Runyan James R.
 Siegrist Kermit A.
 Smith Leroy E.
 Soult John P.
 Spalding J. Victor
 Sullivan, William L. Jr.
 Tetley Albert L.
 Vandergriff Willard C.
 Waters Wade D.
 Webb William H.

1940

Alford Rex
 Barclay James H.
 Baumstark Walter A.
 Braun Steve S.
 Brown, Guy Jr.
 Burgess Woodrow L.
 Carr, Walter J. Jr.
 Cotterill Carl H.
 Dennie Powell A.
 Dennis, Benjamin A. Jr.
 Donahue James B.
 Dowling Paul T.
 Enderson William A.
 Followill Richard J.
 Fort George E.
 Griffith Thomas J.
 Gund Russell A.
 Hall Charles E.

1940 Cont.

Herzog Aloysius R.
 Kelley Ralph E. Jr.
 Kidwell Albert L.
 Kiesler A. James
 Klug John R.
 Ladd Harley W.
 Leber Walter P.
 Machmer Ferdinand G.
 Markley John S.
 Miller, Edgar S. Jr.
 Niedling Ivan W.
 Olcott Eugene L.
 O'Neill, John J. Jr.
 Perry E. L. Roy
 Plenge-Washburn Carlos H.
 Rakaskas Joseph E.
 Reed John P.
 Ridley Robert P.
 Rieke Vernon W.
 Romine Edward C.
 Ross Paul P.
 Rueff Edward L.
 Sharp Everett W.
 Simonds Peter
 Stewart Fraizer M.
 Sturges Herbert D.
 Summers Huey
 Tucker Armin J.
 Wilson F. Hugh
 Young William P.

1941

Adams Washington
 Alsmeyer William C.
 Andrae Andreas A.
 Beers Seymour J.
 Bennetsen Wayne J.
 Blair Norman D.
 Bottcher Hermann P.
 Bourne William H.
 Bowman Martin E.
 Boyd Robert K.
 Boyd Eugene P.
 Clarkson Charles F.
 Cochran Andrew A.
 Couch G. Robert
 Crecelius Donald G.
 Crockett William E.
 DeWitt Russell E.
 Elliott Floyd R.
 Enochs John R.
 Falkingham Donald H.
 Farrell Edward C.
 Fick Armin P.
 Finley Fred W.
 Hacker Alden G.
 Hall Jane C.
 Johnson Jane C.
 Hardine, Kenneth L. Jr.
 Jensen James W.
 Johnson Jane C.
 Hall Jane C.
 Lambeth Jennings R.
 Livingston Kermit P.
 Loveridge Warren L.
 Mc Kee Jack B.
 Mentz, Frank H. Jr.
 Morris William I.
 Nevins, Marvin E. Jr.
 Pautler Anthony C.
 Pingel Marvin E.
 Puetz William M.
 Rhodes Richard G.
 Rogers Frank B.
 Roley Rolf W.
 Roux James R.
 Schoenthaler Robert
 Schweitzer Robert E.
 Smith Floyd P.
 Strawn Joseph O.
 Wagner John C.
 Wattenbarger Chris M.
 Wyatt De Marquis D.

1942

Axmacher George W.



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1942 Cont.

Brackbill Robert M.
 Brouk Ralph H.
 Busch William D.
 Bute Harold B.
 Crookston James
 Hagar Bailey W.
 Hill, William E. Jr.
 Hughes Thomas A.
 Jones Thomas A.
 Karbosky Joseph T.
 Kind Daniel A.
 King Welby H.
 Kisslinger Fred
 Kloeris, Paul W. Jr.
 Krueger Harold A.
 Kurtz Sam A.
 Lyons John H.
 Martin Kent W.
 Maune Harold E.
 Mc Connell William F.
 Mc Ghee Vernon T.
 Neubert Ralph L.
 Nevin, James R. Jr.
 Nicola Nick S.
 Olsen John K.
 Pagel Herbert E.
 Pohl Robert A.
 Rassinier Edgar A.
 Sandhaus Elmer H.
 Schmitt Joseph B.
 Schowalter Kenneth A.
 Schuman Austin E.
 Shaffer James W.
 Shockley Gilbert R.
 Stewart Alexander L.
 Taylor Otis H.
 Van Nostrand Robert G.
 Weidle Bea E.
 Wolff Leonard C.
 Zanzie Charles E.
 Zoller Jacques W.

1943

Adams Joseph T.
 Allen George W.
 Amli Harold E.
 Berndt, Joseph P. Jr.
 Biermann Earl E.
 Bottom James H.
 Bumps Edson S.
 Burke Edmund C.
 Christensen Douglas M.
 Comann R. Kent
 Coolidge Donald J.
 Dressel Waldemar M.
 Dreste, Fred E. Jr.
 Durham Howard W.
 Eck Robert A.
 Finch Raymond P.
 Flood H. William
 Pris Edward S.
 Glover James
 Haley Wilbur A.
 Hanna Robert L.
 Kasten Raymond O.
 Keevil Albert S.
 Kendall, Edward T. Jr.
 Kent William D.
 Kerper Matthew J.
 Key Enos L.
 Krill Francis M.
 Krummel Clyde H. Jr.
 Lambelet Clarence A.
 Larson Leonard W.
 Meyer Orville L.
 Neustaedter James A.
 Paul James R.
 Quinn Patrick D.
 Rasmussen Rene K.
 Schumann Lloyd C.
 Short Donald H.
 Skitek Gabriel G.
 Strickler Halford O.
 Stueck C. F. P.
 Thomas George H.
 Weis Carl J.
 Wissler Louis B.
 Wright Clarence J.
 Zoller Victor H.

1944

Adamick Henry S.
 Allen Eugene K.
 Banks Robert L.
 Barnhart Herbert D.
 Bridge Lorraine P.
 Carmichael Ronald L.
 Des Jardins Peter E.
 Dick C. Alfred
 Dowd James D.
 Goetemann Edwin C.
 Hansen J. Richard
 Heidenreich Roger H.
 Hubbard William A.
 Kasten Paul R.
 Klorer Robert W.
 Kozeni Don K.
 Larson Warren L.
 Miller James R.
 Morrow Thomas H.
 Mushovic Peter
 Ploesser Alan P.
 Schmoldt Hans E.
 Schoeneberg Kenneth W.
 Smith P. Gene
 Staley Glenn L.
 Summers Robert P.
 Thomas William J.
 Weinel Ernst A.
 Wicker Dave A.



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1948 Cont.

Ellis William A.
 Ellis William P.
 Ellison Floyd A.
 Fine Morris M.
 Fisher James R.
 Fitzpatrick Joseph W.
 Fuller Leroy W.
 Gauerke Reinbart C.
 Griessem, John III
 Hagan Melvin A.
 Haley Comer C.
 Hammann John W.
 Held Robert E.
 Hepp Joseph T.
 Hoelscher James W.
 Howell Richard B.
 Howell Theodore R.
 Jones Eugene P.
 Keeley Gilbert S.
 Kreutzer Robert C.
 Lawson Vernon R.
 Leaver Harvey B.
 Malone Albert V.
 Marchal Jacques H.
 Martin Harold W.
 Mathews Donald J.
 Mc Cormack George E.
 Mc Kelvey Ralph E.
 Miller William J.
 Moe Harold G.
 O'Neill Lawrence P.
 Ramsey George H.
 Ray Billy B.
 Robbins Irvin D.
 Schaeffer, Willard A. III
 Schmitt Donald G.
 Scholz Arthur E.
 Smith David G.
 Smith Harlan D.
 Smith Hubert R.
 Sphar Curtis W.
 Stoecker Wilbert F.
 Tapperson, Arthur Jr.
 Terrasson Paul L.
 Todd Fred A.
 Walker Richard A.
 Walker Richard H.
 Watkins Paul A.
 Weddle Wilbern L.
 Whaley Henry P.
 Whanger James R.
 Zvirbla Michael C.

1945

Blase Edwin W.
 Boyd Roy H.
 Kasten Vernon L.
 Kawaguchi Nakoto J.
 Kolde Ralph E.
 Milton Osborne
 Ozawa Jack K.
 Schmidt Robert P.
 Shank Earl H.

1946

Burke George E.
 Clayton Austin B.
 Connett Robert P.
 Fesler Carney C.
 Jones Raymond B.
 Mann Robert L.
 Meenen Arthur R.
 Meyer Donald I.
 Olsen Oscar M.

1947

Belew Elmer W.
 Bruns Robert F.
 Carlton Paul F.
 Christiansen Carl R.
 Cole Richard E.
 Dunham Roy H.
 Elletman William E.
 Ellis W. Ashley
 Faser Jack F.
 Fogarty Edwin R.
 Goodwin Reo E.
 Hammann Eugene E.
 Hellwege William H.
 Henke Elvin A.
 Henry George E.
 Johnson Philip D.
 Johnson Virgil A.
 Kerr Frank P.
 LaPiere Gilbert H.
 Mansfield Herman
 Mc Kinnell, William P. Jr
 Mc Kinnis, Charles L. Jr.
 Meyer Robert L.
 Miller Eberhard H.
 Perryman, George I. Jr.
 Pierce Thomas R.
 Pletz Robert C.
 Pomeroy Chester M.
 Powell John D.
 Ray Robert L.
 Schork John E.
 Sheppard Keith D.
 Smith James A.
 Snowden J. Russell
 Stephens James W.
 Tappmeyer Ronald A.
 Wagner George H.
 White Robert L.
 Wylie James E.

1948

Armstrong Robert J.
 Baerfeldt Robert F.
 Balnat Jack S.
 Banks Ralph
 Billy Joseph H.
 Brassfield Henry C.
 Browning Phil A.
 Chaney James B.
 Copeland A. Eugene
 Crosby R. Allen
 Delany Michael J.
 Doelling Robert P.

1949

* Anderson Douglas
 Anderson George M.
 Aubuchon Edward L.
 Bailly Walter E.
 Bay Robert D.
 Bennett Charles W.
 Berry Jerome T.
 Birch Bettijeanne M.
 Puffett Bettijeanne M.
 Blankenmeister Erwin G.
 Boyer Alexander A.
 Breeze Francis V.
 Breuer Coy L.
 Carney W. Dale
 Carpenter Gordon L.
 Chang John W.
 Cizek Frank J.
 Clogney, Joseph R. Jr.
 Comstock, Albert E.
 Coplen, Roy I. Jr.
 Corbin Harold E.
 Crites Joseph D.
 Dalpini David
 Daly Thomas E.
 Daniells Charles P.
 Damzer Carl J.
 Davidson Charles C.
 DeBolt Donald G.
 Downs Jack S.
 Eason Donald E.
 Edwards Paul K.
 Ehrler John W.
 Eichelberger Charles E.
 Evans William W.
 Flieman Maurice H.
 Foster Jack D.
 Gamson William H.
 Greig Joseph E.
 Haskell Donald F.
 Hubbard, William P. Jr.
 Hughes W. R.
 Jones Oliver W.
 Jones Sam P.
 Kelahan Robert C.
 Knecht Walter S.
 Knutson Elmo G.
 Komoto Frank K.
 Line Myrl K.
 Linn Laurel G.
 Nagruder William H.
 Martin Robert L.
 Mc Callister, Odis L. Jr.
 Mc Donald John E.
 Mengel Edmund L.
 Miller, Fred J. Jr.
 Mitchell John W.
 Mulligan John J.
 Norman Amos
 Ochs Calvin M.
 Perko Robert A.
 Perry Robert C.
 Puffett Bettijeanne M.
 Birch Bettijeanne M.
 Ratcliff John J.
 Reilly, John G. Jr.
 Feinkensmeyer Norman W.
 Reiss Joseph J.
 Remington, Charles R. Jr.
 Rice D. Paul
 Root Robert L.
 Ross Charles J.

1949 Cont.

Ross Harvey D.
 Rowley Kermit G.
 Sarzin Julius L.
 Schmitt James C.
 Schuler, Leonard L. Jr.
 Seelig, Albert P. Jr.
 Sevick Joseph G.
 Siegel William A.
 Springer Frederick M.
 Stadelhofer Jack
 Strubert Joe W.
 Sutton Glen W.
 Tanner Paul E.
 Telthorst Edgar J.
 Telthorst Harold M.
 Timmer Donald H.
 Tindall, Robert P. Jr.
 Toomey John B.
 Tucker Arthur L.
 Van Haerssen Otto L.
 Viles Landon C.
 Weber Arthur H.
 Yochum Robert J.
 Youngs Lloyd P.

1950

Agnew, Lewis E. Jr.
 Allen Harry W.
 Atchison Daniel R.
 Babbitt Jack R.
 Bach, Wilbert E. Jr.
 Barsachs Edwin H.
 Berger Laurel D.
 Berkey Vernon G.
 Bodine Jack R.
 Boje, George J. Jr.
 Bradley Kenneth R.
 Breit Karl K.
 Breuer D. Wallace
 Brinkmann Charles E.
 Brown Robert N.
 Brownard Billy R.
 Buel Robert W.
 Buterbaugh Basil E.
 Byrd Herman C.
 Cantwell Laurence W.
 Chambers Frank T.
 Chen Willie Y.
 Clark William W.
 Clifford Richard E.
 Coffee Ralph E.
 Coleman, Elbert H. Jr.
 Collins William W.
 Dampf Donald P.
 Davidson Edwin A.
 Dolecki Stanley
 Drake, Avery A. Jr.
 East Carl G.
 Eissinger Karlheinz
 Enfield Bernard M.
 Erb Robert D.
 Etz, Carl E. Jr.
 Eyberg Walbridge P.
 Fahien Raymond W.
 Farrey Henry B.
 Ferrero Dominic
 Ferry Robert S.
 Fossi Robert L.
 George O. Kenneth
 Graves, C. Tad Jr.
 Greco Louis E.
 Greenberg Aaron J.
 Gregory Scott H.
 Gurnea Robert P.
 Haas Paul A.
 Hammond Gerald L.
 Harris William M.
 Hauser Max E.
 Haynes William G.
 Heller Enrique S.
 Hernan John F.
 Herrmann Thomas A.
 Higgins Albert J.
 Hollis William
 Holme R. Norman
 Honerkamp Donald L.
 Houk Clarence C.
 Hughes William P.
 Humphrey Waldo D.
 Hunt J. Richard
 Isbell, Clarence A. Jr.
 Jamieson George W.
 Jerman Theodore I.
 Johnson Edward L.
 Johnson Warren H.
 Jorcke Oliver A.
 Judah Russell J.
 Kehr Edwin A.
 Kelly Peter B. L.
 Kinder David C.
 King Alvin C.
 Kovach John J.
 Kunz Charles O.
 Kyburz Edward P.
 Lockett Donald N.
 Longolius Walter C.
 Lukrofka Lovell J.
 Mabie George W.
 Mann Carl K.
 Marshall Donald W.
 Marting Richard E.
 Mattlage Raymond P.
 Mc Dermott Arthur R.
 Mc Donald James E.
 Mc Grath Donald R.
 Mc Nely Warren E.
 Mc Nichols John R.
 Meier Harvey W.
 Mendell Robert H.
 Mengel William K.
 Middleton Douglas P.
 Miller Chester E.
 Miller James E.
 Mooney Edward W.

1950 Cont.

Muehring John E.
 Neustaedter Robert H.
 Nichols John W.
 Niederstadt Roland J.
 Nolan Paul B.
 Novotnak Frank
 Packheiser Franklin O.
 Painter John L.
 Parker R. C.
 Parks John W.
 Patten Robert I.
 Paulsell William G.
 Peetz Eugene J.
 Peppers Robert E.
 Preiss Robert K.
 Reisen Kenneth E.
 Renner Lynn
 Roach Kenneth C.
 Roberts J. Kent
 Robison Leslie B.
 Roenfeldt Harold R.
 Ruenheck Raymond T.
 Sakanyi John J.
 Scales Stanley R.
 Schnaedelbach Gerald
 Schneider Norman P.
 Scott James J.
 Sereno Leroy F.
 Severtson Vernon S.
 Shourd Roy R.
 Silver Sidney
 Sims Dale E.
 Skinner, Milton R. Jr.
 Slusher Robert C.

Gentlemen:

I would like to thank you very much for the Alumni "Special" Scholarship. I was very honored and pleased to receive this scholarship from your association.

College costs are phenomenal nowadays. The money situation made me and my parents somewhat apprehensive about my education. Your scholarship is greatly appreciated and will help out quite a bit. It is good to know that some people still care about today's students.

I am looking forward to attending UMR next fall, and I would just like to thank you once again for the scholarship.

Sincerely,
 Ross Warner
 Greenwood, Mo.

Editor's Note: Ross will be a freshman in civil engineering.

Smith Marvin E.
 Smith, Robert E. Sr.
 Springer Everett W.
 Starke Robert E.
 Stevens Billy
 Strain Robert A.
 Strauss Ervin J.
 Strong John P.
 Szumachowski Edwin R.
 Theerman Harold B.
 Tibbs Harold E.
 Timlin James B.
 Trianda John
 Tunncliffe Clarence J.
 Van Nort John R.
 Vogler, August J. Jr.
 Wagner Bernard C.
 Warfield, Raymond A. Jr.
 Weingaertner John W.
 Western Frederick C.
 Wickey John F.
 Wilson Glenn E.
 Wolfram Ralph E.
 Wood Robert C.
 Wright Harold R.
 Wunnenberg Donald A.
 Yochum Kenneth H.
 Young, Charles Jr.
 Zerveck, Carl E. Jr.
 Ziebell Wilford R.
 Zimmerman Donald G.

1951

Anderhub Anthony P.
 Anderson David K.
 Arnold John H.

1951 Cont.

Ballass John T.
 Ballestero, Antonio P. Jr.
 Bellis Gerald B.
 Bender Gerald H.
 Blancke, C. Dudley Jr.
 Blendermann Gene R.
 Boscia Frank J.
 Bowkley Herbert L.
 Boyd Charles L.
 Brady John R.
 Brillios John W.
 Brunkhorst Earl R.
 Buettner Melvin A.
 Bullock Richard L.
 Burkhead Sr. Kenneth E.
 Burns Otis A.
 Clark Howard T.
 Comanich George W.
 Craig William E.
 Dasebrock Arthur A.
 Dickens Richard L.
 Dieckgrafe Robert E.
 Donaldson George R.
 Dowling, Donald J. Jr.
 Dowling Neal B.
 Dryden Joseph L.
 Dulberg Irving
 Dunn Ervin E.
 Elbaum Jerome K.
 Elliott Edwin G.
 Ferber George E.
 Ferry C. Ron
 Fornari Joseph M.
 Fris Joseph P.
 Fritschen, Herman A. Jr.
 Gardner, John E. Jr.
 Givens William A.
 Gould David S.
 Hargus, Loren Jr.
 Harper William S.
 Heagler, John B. Jr.
 Henson Gerald L.
 Hestetune Daniel G.
 Hirner John A.
 Hohlfelder Eugene P.
 Horst William E.
 Horton Donald W.
 Irwin David H.

Jackson Earl E.
 Jeffers Phillip E.
 Keller Gerald N.
 Kennedy Harry E.
 Kent Herbert E.
 Ketter Richard P.
 Kingsborough Donald G.
 Kline Charles R.
 Knight George L.
 Lehmann Charles F.
 Mansfield Richard E.
 Mc Clard Truman E.
 Middour Eldridge S.
 Moy Harry
 Myslinski Frank J.
 Napp Gordon E.
 Oldenburg Ted J.
 Packheiser Elmer D.
 Parrish David D.
 Pender Paul S.
 Perryman, Joseph E. Jr.
 Rieder Robert J.
 Roach Warren D.
 Rober Donald L.
 Roloff Don V.
 Rushton William E.
 Schmidt Vernon E.
 Senne Joseph H.
 Shields Robert W.
 Sieck Ervin H.
 Silver Milton M.
 Simpson Thomas A.
 Skiles James J.
 Smith John E.
 Smith Robert J.
 Sobie Milton A.
 Steinmetz Charles E.
 Stewart George E.
 Tatosian Vanagan
 Tsal William
 Van Brauer William G.
 Vansant Robert E.
 Venarde Jack H.
 Vose William B.
 Watson Harry W.G.
 Wile Larson E.



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1951 Cont.

Williams Alden D.
 Wiseman Donald E.
 Wolf Robert V.
 Wurtz Wade C.
 Zeid Marvin C.

1952

Alvarado Frank T.
 Bartel John G.
 Basler Francis S.
 Bauer Richard H.
 Bilheimer E. Lee
 Borberg James R.
 Boyle James R.
 Calcaterra Edward L.
 Chorney Peter L.
 Cole Allan A.
 Cooper Richard C.
 Cox Willard E.
 Cramer Kenneth L.
 DeLap Kenneth L.
 DeLucca, Michael Jr.
 Evans John E.
 Faulkner James R.
 Freiburger Harold C.
 Geers Joseph H.
 Hallows, Raymond L. Jr.
 Hausmann Paul L.
 Hausner Paul H.
 Heilich Raymond P.
 Hockenbury Melvin C.
 Huffman Gene A.
 Jackson Wayne D.
 Justus, Richard P. Jr.
 Keil Byron L.
 Kerr, H. Chalmers Jr.
 Knoebel Richard H.
 Kronst Edwin P.
 Kummer Frederick S.
 Lentz Thomas H.
 Light Richard L.
 MacZura George
 Maday Donald S.
 Martin Dan W.
 Matson Don D.
 Mc Intyre, John P. Jr.
 Meskan David A.
 Moy Hong S.
 Nolan John B.
 Pape Earl E.
 Priest John E.
 Reeves Ernest J.
 Richards Turner W.
 Runsey Donald A.
 Ruttinger Anthony J.
 Schaffer Robert P.
 Schiene Quentin J.
 Scrivner J. Roger
 Stickle Dirck B.
 Stinebaugh Thomas P.
 Stopkey Waldemar D.
 Strite Russell R.
 Sweeney James R.
 Tarr Clarence M.
 Unger Walter H.
 Uthoff Robert F.
 Vance, James P. Jr.
 Wakefield Roger E.
 Walz Robert L.
 Weeks Charles A.
 Westerman Howard W.
 Westmoreland, Darcus S. Jr.
 Wheelock Leroy K.
 Williams Dean N.
 Williams Norman
 Wolfberg Leonard H.
 Yager O. Timken
 Zachelmeyer Norman P.
 Zedalis John P.

1953

Achterberg Ernest R.
 Anderson Charles A.
 Barton C. Dean
 Bender John H.
 Berry Charles A.
 Blackson Paul H.
 Boyd Marvin W.
 Crane Harold R.
 Creamer Edward L.
 Edwards Gene W.
 Freebersyser George J.
 Gjelsteen Thor
 Haynes Myron B.
 Heeger Charles H.
 Heineck Dale W.
 Jenkins Robert D.
 Jones Vernon T.
 Jost Robert D.
 Katz Manfred
 Kent, Nevada A. III
 Knearem James L.
 Knobel Elwood L.
 Koederitz Thomas L.
 Krommueller William W.
 Kuster Ralph L. Jr.
 LaBouff Gerald J.
 Lang Eugene A.
 Lee Walter
 Leponis Andrew E.
 Mason J. Lloyd
 Nelson William P.
 Oberschelp William P.
 Park William R.
 Patterson William E.
 Prickett Lloyd C.
 Quatraro William
 Robbins Clay
 Roberts James P.
 Ruppert Theodore A.

1953 Cont.

Sanders, Connelly Jr.
 Scharf Fred
 Seipel, John R. Jr.
 Smith Bert L.
 Strohbeck Eugene E.
 Thompson James E.
 Topel Maurice R.
 Vienhage Robert P.
 Wagner Frederick R.
 Weinland Harold A.
 Willis Henry R.

1954

Burgett Max A.
 Cole Kenneth D.
 Conci Frank B.
 Custead Jerry R.
 Dowell Jack B.
 Gray Joe E.
 Horine Robert A.
 Hughes, Judson A. Jr.
 Humphries Richard M.
 Juskie Bernard R.
 Krispin Joseph P.
 Lo Wing-Cheuk
 Patterson J. Robert
 Pillisch Herbert P.
 Shoobred Robert A.
 Sipe William E.
 Stewart William H.
 Tietnon Carlos H.
 Toutz James O.
 Watkins Joseph S.

1955

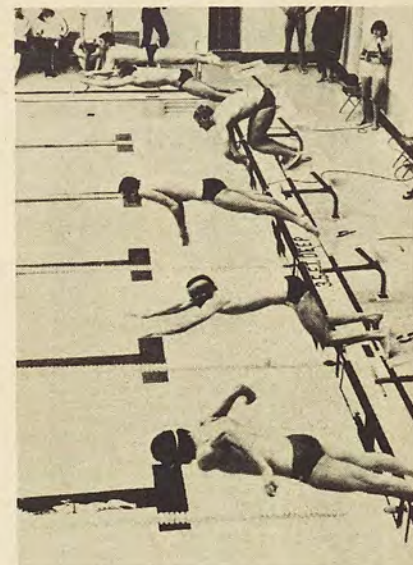
Anderson James S.
 Baebler Arthur G.
 Baker Chester H.
 Barco Samuel W.
 Berg Richard O.
 Broadus, Wayne R. Jr.
 Corcoran, Thomas A. Jr.
 Cruse Richard L.
 Franklin James M.
 Gessley Donald
 Gilliam Dale D.
 Hallett William M.
 Haslett, Gerald W. Jr.
 Heavilin Harold D.
 Jones Richard L.
 Kaiser Richard L.
 Kickham, Lawrence T. Jr.
 Kingsbury Ronald M.
 Krieg Marlin F.
 Lane Thomas P. Jr.
 Lanford Oris G.
 Luehring Elmer L.
 Miller Charles E.
 Oetting Robert B.
 Padan John W.
 Ray Herman A.
 Schlensker John A.
 Scott Julius N.
 Smith Benjamin K.
 Stimson William R.
 Thoele Howard W.
 Tucker Paul B.
 Vaughn Charlie F.
 Webster, Royal S. Jr.

1956

Altheide Charles R.
 Baumgartner George R.
 Borgerding James H.
 Boyd Virgil C. Jr.
 Brawley John M.
 Doe Bruce R.
 Ellis Elmer
 Hart Norman E.
 Hughes Richard A.
 Jenkins Lloyd H.
 Jones Billy R.
 Jurenka Gilbert G.
 Mc Clure B. Max
 Morales Aguilar Victor M.
 Murphy Larry L.
 Ogile Herbert F.
 Remmers E. Paul
 Reser Donald E.
 Riley Kenneth G.
 Schillinger Dale J.
 Schmidt Harold A.
 Schmittou Clay J.
 Schramm William W.
 Sebastian William D.
 Steffan Kenneth P.
 Suhre, Maurice E. Jr.
 Walker Norman L.
 Williams Don E.
 Yancik Joseph J.
 Yiannos Peter N.

1957

Astroth Louis E.
 Baechle August A.
 Ballard Donald S.
 Bates David W.
 Brown Phillip O.
 Clodfelter Gene C.
 Conlee Jack L.



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1957 Cont.

Davis Gary W.
 Demzik William G.
 Ellis, Walter H. Jr.
 Emery John R.
 Fovikes Charles W.
 Franklin Billy W.
 Gerlach Paul D.
 Giffin Billy J.
 Greenwalt Don R.
 Guyot Roger L.
 Haubold Niels B.
 Howard John J.
 Hussey Raymond L.
 Johnson Norman C.
 Johnston Waymon L.
 Kick David D.
 Kozeny Donald J.
 Matz, Alexander H. Jr.
 Metz, Gilbert F. Jr.
 Mitchell James L.
 Pyle Elmer G.
 Reuss Lloyd E.
 Rollins John W.
 Roth Donald J.
 Schelich Ardell J.
 Schneider Robert W.
 Segelhorst Alfred E.
 Severson Marshall L.
 Soper William S.
 Stevens D'Jeanne
 Welden D'Jeanne
 Stoll Joe A.
 Tanquary Clifford C.
 Troutner John R.
 Venable Wilford G.
 Warren Robert N.
 Watwood, James E. Jr.
 Webb Jerry J.
 Webb Robert B.
 Welden D'Jeanne
 Stevens D'Jeanne
 Weldy Charles R.
 Wentz, Charles A. Jr.
 Williams Russell E.
 Zimmermann Richard A.
 Zook Raymond D.

1958

Andreas Wayne T.
 Anspach Earl E.
 Atha Larry C.
 Buchanan John O.
 Capns Robert O.
 Correll Howard D.
 Cox L. Fred
 Cullen Michael J. J.
 Day Delbert E.
 Dull Melvin J.
 Garrett, James H. Jr.
 Gerwert Philip E.
 Gregory Donald B.
 Hardebeck Elizabeth M.
 Hardebeck Harry E.
 Harris Bobby V.
 Haydon Jack B.
 Head Eldon W.
 Herrmann, Paul O. III
 Hofstetter James P.
 Johner Allan P.
 Jones Clintford R.
 Konrad Richard J.
 Lewis B. Neil
 Lin Charles S.
 Littlefield Jerold K.
 Mason Dennis E.
 Mc Govern Donald R.
 Micka Donald C.
 Minton Robert C.
 Modessitt Donald E.
 Mosby Freddy L.
 Mynger Paul R.
 Niedermeyer, O. David Jr.
 Okenfuss Richard H.
 Pisacane Louis A.
 Richey John O.
 Schiermeier John J.
 Schwegel Richard A.
 Sfreddo Humbert E.
 Smith R. Thomas

1958 Cont.

Stevens Robert P.
Taylor Paul W.
Tomazi George D.
Unnerstall Lester A.
Vetter Ronald P.
Vie Jerry D.
Vitek Richard K.
Wegener Ronald E.
West Billy B.
Winter Lester H.
Wollgast Roy C.
Young Ralph O.

1959

Auberry William D.
Bitzer David B.
Bohl Carl D.
Bolon Lucien M. Jr.
Boxdorfer Robert L.
Bramon Gerald A. Jr.
Buren William L.
Cain Clarence Jr.
Cavns Albert E.
Courson Lee R. Jr.
Crapnell Don W.
Feaster Donald R.
Goldin Herbert A.
Green Sidney J.
Hahn James H.
Hess Robert M.
Hoffman Anthony E.
Hornsey Edward E.
Huddgens Lovell L.
Itschner Emerson C.
James Frank E.
Johnson Gordon E.
Johnson Philip R.
Kieffer Alonzo R. III
Krugger William A.
Lashley Roger L.
Lindsey Kenneth R.
Lutz H. John
Mattingly Raymond C.
Mc Haffie Gerald T.
Mitchell John F.
Morgan George H.
Oberlander Richard K.
Pond Norman H.
Pugh James E.
Randels Dale K.
Ratliff John L.
Reichert Joseph P.
Robinson Marquis B.
Ross Richard G.
Ruester John T.
Scharf Joel S.
Schneider Charles S.
Schumacher Carl R.
Shoenaker James L.
Smith Gaylon G.
Spruill Victor F.
Stelloh Robert T.
Stevenson Gerald L.
Sutfin Carl D.
Swanson Kenneth A.
Tackett Charles E.
Thompson Billy J.
Thornton Robert C.
Volker Ronald E.
Washburn Charles A.
Wayman Stanley
Wicker Richard H.
Wood William S.

1960

Ahnert Ernesto L.
Alvea Jerrold M.
Bartlett Sylvan
Belev Robert R.
Bentrup Otto T.
Boston Lawrence A.
Brock Joe P.



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1960 Cont.

Carver Ronald P.
Chen David K.
Corbin Kenneth D.
Cox Kenneth R.
Del Prete Anthony Jr.
Deak William J.
Dickens Walter H.
Flanagan Virgil J.
Fulton Frank W.
Gilmore Jerry L.
Gustafson George R.
Hawk Ralph L.
Hershey Harry C.
Hoffmann Victor J.
Howrey Kent E.
Hunter Charles E.
Hyatt Gordon R.
James Ronald C.
Jones Robert G.
Jordan Paul R.
Jordan Thomas M.
Keshari Hossein R.
Kieffer Robert C.
Klebba Kenneth T.
Kosten Harold W.
Loebs Herbert A.
Lukowitz Gregory J.
Manley William H. Jr.
Maxton Ralph C.
Mc Daniels John L.
Mc Neely David C.
Medley Paul B. II
Mertl Eugene E.
Moellenbeck Albert J. Jr.
Moit Daniel D.
Montgomery Thomas S.
Moyers Gerald E.
Munsell B. Douglas
Odendahl Leo A.
Patterson Gary K.
Penning Thomas P.
PHELPS Weldon L.
Ponzer Henry L.
Price David E.
Priesmeyer William P. Jr.
Reynolds Maurice W.
Rizer Gene C.
Scofield Gene L.
Shadwell Franklin W. II
Siron Robert E.
Steinmann Walter D.
Taylor Leo F.
Testerman Roy L.
Todd Lamar S.
Vacca Herman L.
Van Grouw Martin P.
Vansant Carl A.
Wagenheim Neal T.
Walters James T.
White Robert M.
Wood Kenneth W.

1961

Amsler Larry C.
Avery M. Ronald
Biermann Robert G.
Brenning Eugene D.
Brinkman Glen A.
Brunkhart Gerald E.
Burlage Donald W.
Curson William N.
Dewing H. Harvey
El-Baz Farouk E.S.
Evans Donald L.
Farmer Larry E.
Fowler Martha S.
Shultz Martha S.
Gerhart Bill L.
Grannemann H. Neal
Henderson Gerald E.
Henning William A.
Hillmeyer Michael J.
Hollenbeck Charles P.
Jacks Frank E.
Jatem Julian S.V.
Lawler Willis D.
Lemons Charles E.
Leonard Rene J.
Lewis David M.
Llao Juan L.
Loffin Floyd E.
Logan Robert M.
Mannbeck Donald H.
Marble James B.
Marosek Charles P.
Mathews William E.
Mathur Virenda K.
Maune David F.
May William L.
Mc Gillan Cecil E.
Mc Laughlin Eugene J. Jr.
Mc Nabb Jesse E.
Mears A. Dale
Meskan Allen W.
Mills Terry L.
Mobley Gene H.
Myers Donald D.
Nolfo Louis J.
Odom James T.
Ogle James R.
Ostmann Donald A.
Patterson Barbara R.
Peterson Jay A.
Pfeuffer Ronald R.
Randolph Robert W.
Ricketts John W.
Shah Ramesh C.
Shultz Martha S.
Fowler Martha S.
Siesennop W. Wayne
Stidham James A.
Stone Tony C.
Sullivan Joseph P.
Tegland Edward R.
Theobald Thomas A.

1961 Cont.

Toepfer Louis E.
Walker Harvey J. Jr.
Walton John W.
Weber Roger C.
Worley Morris T.
Wright John C.

1962

Baker James L.
Bednar Charles J.
Brady Francis J.
Breitenfeld Richard T.
Buckrod Gary J.
Coyle R. Tom Jr.
Dave Bhalchandra T.
Duvall H. Pat
Einsel Miller D.
Espasa Jorge A.
Farnham Arthur H.
Gaertner Douglas A.
Gormley James M.
Haas Donald W.
Hammond Michael W.
Harrill William D.
Harris William T. Jr.
Harvey Lawrence E.
Hatfield David C.
Haushalter Frederick W.
Havener Gary W.
Herzog Michael S.
Jacobs David C.
Johnson Richard T.
Kadokia Jayant S.
Kallemeier Robert E.
Kemper Russell A.
Mc Caw Charles K.
Mueller Richard A.
Nowinski Stanley W.
Obermark James R.
Odegard Milton A.
Otten Peter E.
Persson P. Michael
Ploeger Richard A.
Rencehausen Gerald P.
Reyburn Michael K.
Roussin Robert W.
Rullkoetter Gerald W.
Shah Dinesh K.
Speckhart Frank H.
Staley Jerry A.
Stearns Jerry D.
Stigall Paul D.
Sullivan William L. III
Teste James E.
Tolman Carl
Tvedell Richard N.
Uhe Gerald C.
Valentine Craig A.
Van Doren Thomas P.
Waters O. Jerry
Welch Gary E.
Wilson William L.
Zychinski James A.

1963

Bartling Donald L.
Baumbach Dale M.
Buck Richard L.
Burton Robert R.
Clark Dennis A.
Clements John L.
Close Maxwell L.
Dauerheim Woody D.
David Edward G.
Dodd Curtis W.
Farmer John O. III
Glassel Clifford
Huston Robert P.
Jaeger Benjamin W.H.
Jaquay Richard L.
Kahl Richard A.
Kirby James R.
Klutho Allyn R.
Knopp John V.
Koester Robert D.
Kramer Robert P.
Lago Carlos M.
LaPlante Allan H.
Lasmanis Raymond
MacCrimble Colin C.
Machmeier Paul M.
Martin Wade A.
Miller Paul H.
Naiknimbalkar Narendra M.
Naiyer Shafique
Niblock Glenn A.
Packwood Donald L.
Robbins Douglas A.
Robertson Ronald S.
Robison James B.
Schaefer Seth C.
Schuchman Norman J.
Shah Bansidhar M.
Shalton Lonnie J.
Sieckhaus Robert H.
Skamenca David G.
Smith Sam L.
Stenler Orrin A.
Taylor Glenn R.
Tomasek Anton J.
Trautman Dennis R.
Van Buren James K.
Vaninger Jon L.
Williams Ronald R.



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1964

Ashley Carl G.
Bailey Keith E.
Bartel Donald S.
Bierman Sheldon L.
Broeking Kenneth W.
Buescher Alfred J.
Campbell Charles E.
Chervitz Jerrold
Chronister Thomas G.
Corwin Robert P.
Edwards Harry K.
Eillebracht Clarence A. Jr.
Eppelsheimer Daniel S. II
Ferrell C. Stuart
Fournelle Raymond A.
Gardner Donald T.
Garlich Thomas K.
Henry James M.
Herrmann Frederick W. Jr.
Holland Gary R.
Holley Robert G.
Kraus Ronald W.
Kuhlman William H.
Land Donald W.
LaRose T. Hartell Jr.
Limberg John P.
Martin Carl D.
Mc Cauley Ronald A.
Meehan Michael E.
Michel David J.
Hills Charles S. Jr.
Moche William R.
Muns Bennett L.
N. Sheldon L.
Bierman Sheldon L.
Parkinson Larry L.
Parr Richard A.
Peacock David N.
Peters Donald G.
Quan Choon K.
Raber Richard P.
Ragland Glen W.
Raidt Paul B.
Reinheimer Charles J.
Reuling Donald O.
Royer Leroy J.
Simmons Michael P.
Sowell Lewis C. Jr.
Steinkamp William E.
Stuart Robert L.
Suetterlin Jack P.
Tao Frank P.
Taylor George H.
Treffinger David J.
Voorhis Gary L.
Weaver Samuel C.
Wiebe Dirk H.
Wilson Tommie C.
Wu Chang-Yu
Zimmick Harold E. Jr.
Zunkel A. Doug

1965

Arnold Richard I.
Barr Ralph S.
Bass Paul J.
Bennett Garry A.
Bicknell Hilton B.
Bitting James L.
Blume David J.
Branum William H.
Brune Peter A.
Brunner Gary D.
Bugg Stephen P.
Butler James L.
Byington Marvin L.
Chiang Chien-Ping
Chin Phillips C.
Cook Thomas W.
Corrigan John D.
Dabner M. Kim
David D. Dan Jr.
Deken Louis R.
Doll Warwick W.
Dorf Roger A.
Farrell William M. Jr.
Franklin Willie L. Jr.
Garringer Hal L. Jr.
Gaylord Thomas K.

1965 Cont.

Giger, D. Franklin Jr.
 Griffin, Paul D.
 Gross, Manfred E.
 Habenicht, W. Helmut
 Hafeli, Dwight T.
 Hammen, B. Dennis
 Hanna, Charles K.
 Henery, Edward N.
 Hoffman, David J.
 Hoffman, Nancy H.
 Shaw, Nancy H.
 Krastich, Thomas A.
 Huang, Terry T.
 Hurst, Donald W.
 Jersa, Michael J.
 Joiner, Bruce B.
 Junge, Gregory
 Kallor, Jay S.
 Kettler, Gerald J.
 Lasker, M. Owen
 Lassley, Richard H.
 Lee, Stephen K.
 Li, Charles T.
 Liu, Wan-Cheng
 Lower, Larry M.
 Lu, James W.
 Marlow, Charles F.
 Martin, Charles R.
 Martin, Terence M.
 Mc Cracken, William E.
 Morgan, Grover D. Jr.
 Morgan, J. Derald
 Mulyca, Walter C.
 Myrick, Charles R. III
 Nielsen, Darrell M.
 Patak, Theodore D.
 Peirson, Robert C.
 Pickett, Melvin L.
 Price, William J.
 Ryan, Robert J.
 Shaw, Nancy H.
 Hoffman, Nancy H.
 Silvers, Paul L. Jr.

1965 Cont.

Smith, Frederick J.
 Smith, John W.
 Smith, Michael D.
 Spivy, Paul L.
 Stickler, Roger H.
 Sundermeyer, Robert W.
 Sunkel, Thomas M.
 Suthipassanarupon, Anant
 Terry, Richard L.
 Thiede, Alfred J.
 Thomas, Donald O. Jr.
 Toedtman, Charles H.
 Towers, Terence G.
 Wang, Wen-Li
 Wells, William L.
 Whitten, Trance W. Jr.
 Wicklund, Michael A.
 Wilson, Clyde W.
 Yang, C. (Charles)

1966

Bachman, David A.
 Behring, Allen G.
 Bennett, Patrick B.
 Bennish, Donald E.
 Blumfelder, William O.
 Brady, Dale E.
 Brynac, Michael J.
 Buchmeier, Frank A. Jr.
 Bufalo, David J.
 Clifton, Jack H.
 Coco, Matteo A.
 Connors, William C.
 Copenhagen, Roger L.
 Davis, Jerry W.
 DeClue, Duane H.
 Dreisewerd, Douglas W.
 Dycus, James P.
 Ellison, Donald R.
 Evans, Larry G.
 Fiebelman, Harold E.
 Ford, William C.
 Foss, Glen W.
 Fukubayashi, Harold H.
 Fuller, Donald L.
 Gray, James C.
 Handshy, Arthur W. III
 Hayes, Edward D.
 Heater, Charles L.
 Heider, Robert L.
 Higbee, James M.
 Hogue, Robert W. Jr.
 Houser, Donald J.
 Howell, John D.
 Huddleston, James A. Jr.
 Hughlett, Michael L.
 Huang, Dick T.
 Jozwiak, Philip A.
 Kirberg, Leonard C.
 Kramer, Ralph H.
 Kruep, Raymond J.
 Luke, Carl G.
 Lytle, Glenn A. Jr.
 Mason, John T. III
 Matthews, James R.
 May, Thomas J.
 Mc Carron, Robert L. Jr.
 Mehta, Jagdish M.
 Meier, Thomas O.
 Meyer, Robert W.
 Mohr, John W.
 Monroe, Ronald L.
 Moran, Michael D.
 Morris, Gerald P.
 Moss, Edward A.
 Muma, Dale A.
 Perkins, James B.
 Pollack, Leslie A.
 Presley, John R.
 Rich, Larry M.
 Schroer, James B.
 Steele, James D.
 Stewart, Leslie D. Jr.
 Stockhausen, William T.
 Strickland, Thomas H.
 Umphrey, Ronald W.
 Utke, Floyd H.
 Wehmeyer, David P.
 Wideman, Lawson G.
 Williams, William S.
 Woodbury, Franklin B. W.
 Woodfield, Richard A.
 Yuag, Shu C.

1967

Allmon, James A.
 Altman, Barbara H.
 Barhorst, Alan H.
 Bauer, William C.
 Bayless, James W. III
 Bevel, Jerry E.
 Bollinger, Kenneth C.
 Browne, Michael J.
 Busch, David W.
 Carl, James W.
 Carter, Ronald W.
 Cassimatis, Peter N.
 Cook, David L.
 Cummins, Robert W.
 Davidge, Gail D.
 Kettenbrink, Gail D.
 Degenhardt, Eugene A.
 De Long, Carl E.
 Dyer, Garvin H.
 Evans, John M.
 Ferretti, Michael E.
 Fricke, Bernhard D.
 Fritschel, Larry E.

1967 Cont.

Gass, John W.
 Hachmuth, Henry K.
 Hansen, Stanley S. II
 Hardy, Michael E.
 Herbold, August E.
 Hodges, Phillip P.
 Hollander, William D.
 Hopkins, Wayne J.
 Inman, Paul L.
 Kamman, James H.
 Kettenbrink, Edwin C. Jr.
 Kettenbrink, Gail D.
 Davidge, Gail D.
 Langsdorf, Lloyd L.
 Lebo, Jerome M.
 Mc Millen, T. Michael
 Mc Mullen, Clifford C.
 Medlin, James M.
 Mikelionis, Lawrence J.
 Morrison, David W.
 Nelson, David A.
 Owens, Gary S.
 Perkins, Michael A.
 Prater, Nick L.
 Rao, Yalamanchili
 Rathbun, Donald G.
 Riggs, James E.
 Riley, John D.
 Rueh, Kenneth W.
 Rymer, Russell S. Jr.
 Sadowski, John M.
 Scanlan, James W.
 Sears, Thomas J.
 Smith, Robert T.
 Vogelpohl, Richard P.
 Wagner, Richard V.
 Weise, Theodore L.
 Winkler, Ronald J.
 Young, Lawrence H.
 Zwiener, James H.

1968

Armstrong, Roy H.
 Astrack, Richard P.
 Bell, Gordon W.
 Bennington, Leslie O. Jr.
 Berger, John M.
 Blackwood, James D.
 Brooks, Ronnie E.
 Brubaker, William R.
 Burke, Charles E.
 Carnahan, Danay L.
 Chadwick, Jack L.
 Chao, S. (Steve)
 Chapman, K. Ron
 Chen, Sun C.
 Choate, Larry D.
 Cummins, Lyndell R.
 Dearth, David W.
 Dillon, Paul H.
 Doerflinger, Arthur E.
 Ecoff, Ralph A. Jr.
 Eggers, Stephen H.
 Elliott, Rodger L.
 Faintich, David M.
 Furst, David L.
 Gerhard, Gary E.
 Goedde, Joe G.
 Groves, Christopher B.
 Halterman, Leroy
 Haynes, Alan D.
 Heitzmann, John E.
 Houghton, Timothy J.
 House, Phillip M.
 Huett, Michael S.
 Keppel, James R.
 Koederitz, Leonard P.
 Koegel, Frank R.
 Kuchenig, Frederick W.
 Lewis, Leland
 Liu, Jih-Han
 Luebbert, Lawrence H. Jr.
 Manson, Donald A.
 Mc Calla, Carl R.
 Mc Inay, James S.
 Michel, Joel K.
 Miltenberger, James L.
 Orr, Robert J. IV
 Pais, Jerome A.
 Peavler, Dennis M.
 Pender, Stephen N.
 Pogue, Jerry G.
 Porter, Clayton G.
 Quick, Edgar A.
 Ruengert, Martin R.
 Rueter, Richard E.
 Scharl, Joseph M. Jr.
 Schenk, Richard W.
 Schneider, Richard L.
 Spence, James J.
 Stevens, Edwin E. Jr.
 Stoltz, William A.
 Storrs, Stuart M.
 Strauss, Stephen R.
 Strebler, Michael X.
 Thiessen, Gerald R.
 Thomure, Daniel F.
 Tricamo, Stephen S.
 Vehige, Richard J.
 Warren, Theodore R.
 Wlos, Paul M.
 Wright, Stephen A.
 Wristen, David B.
 Wycoff, Ronald L.
 Youngman, James A.
 Zauner, Ronald P.
 Ziegler, Karl P.

1969

Andreae, Robert A.

1969 Cont.

Andrew, William K. V
 Arnold, Robert D.
 Ascoli, Don M.
 Becker, Theodore H. Jr.
 Becker, Victor J.
 Berry, John J.
 Bishop, David K.
 Bondurant, Frederick N.
 Boring, William D.
 Bourne, Donald W.
 Brendle, Stephen J.
 Brinkopf, Robert L.
 Bruzewski, James R.
 Burrows, Eugene H.
 Cary, Stanley E.
 Case, Glenn R.
 Chang, James J.
 Chow, Robert Y.
 Collins, William E.
 Conley, Ralph R. Jr.
 Cooper, Larry M.
 Coulter, Stephen J.
 Cowen, Joseph E.
 Craig, Charles M.
 Cretin, Paul F.
 Cross, John K.
 Daneshy, Abbas A.
 Davidson, William G.
 DeSpain, David R.
 Dodson, Cheryl A.
 Steffan, Cheryl A.
 Doerr, Raymond E. Jr.
 Fong, Ping Jr.
 Foster, Charles W.
 Frazee, Richard W.
 Fung, Shiu Y.
 Gentzler, Edward C. III
 George, David R.
 Gerig, Martha M.
 Givan, Guy V.
 Gulick, Gary M.
 Halladay, Harold W.
 Haseltine, Gregory K.
 Hawkins, Rodney B.
 Hollowell, William M.
 Hughes, George W.
 Hung, Samuel S.
 Johnson, Jerry L.
 Jozwiak, Vincent R.
 Kelaham, Michael E.
 Kelkar, Subhash G.
 Kerns, Wayne L.
 Kmezc, Glenn H.
 Knauf, William R.
 Koehn, Gary R.
 Koester, Richard W.
 Kruvand, Daniel H.
 Labit, James R.
 Love, William S.
 Mertens, Michael L.
 Niehaus, Robert L.
 Oldham, Douglas G.
 O'Neill, James A.
 Ozorkiewicz, Ralph L.
 Payne, James D.
 Ramdall, Rodney O.
 Roam, John H.
 Rytter, Noel J.
 Salomon, Harry A. Jr.
 Saunders, Martin J.
 Seaman, Robert L.
 Shaefer, Raymond T.
 Smith, Brian W.
 Spalding, Theodore J.
 Stahl, Joseph W.
 Steed, P. Clifton Jr.
 Steffan, Cheryl A.
 Dodson, Cheryl A.
 Stevens, Robert W.
 Strauser, Claude N.
 Sturgeon, Michael C.
 Tomlin, Glenn P. Jr.
 Wansing, Alvin D.
 Wiesenmeyer, John C.
 Wilson, Patrick J.
 Wissel, Fred O.
 Woessner, James D.
 Zenzke, Thomas L.

To the UMR Alumni Association:
 I really appreciate the \$500.00
 Alumni Scholarship which I
 received this semester. I really
 work hard to get my grades and it
 is nice to be recognized for one's
 achievements. Also, I'm from a
 large family, and thus my parents
 can't help out; therefore, this
 scholarship will really help with
 my educational expenses.

Furthermore, I would like to
 thank you for the hours allotted to
 me under the Alumni
 Association's work-study pro-
 gram. I think working under Dr.
 Marlin in the Psychology Lab will
 be an extremely rewarding expe-
 rience. The UMR Psychology
 Department does offer a rare op-
 portunity for undergraduates. Pro-
 bably most universities reserve
 this type of research for graduate
 students.

Your aid will not only help me
 to meet the costs of my education
 but will also give me good and
 useful work experience. I am very
 grateful to you.

Thank You
 for your help.
 -Kate
 Bushur



Editor's Note: Kathryn Bushur is
 a senior in English from Raytown,
 Mo.



1981 Rollamo



1981 Rollamo

1970

Adler Robert B.
 Alexander Gary R.
 Alexander William D.
 Allison Melvin R.
 Andraea Vicki M.
 Baker, Walter A. II
 Balaban Theodore S.
 Baumann Bruce W.
 Bausell Richard A.
 Beardsley David D.
 Beirne John M.
 Birk Douglas G.
 Bischoff Robert F.
 Brady Linda L.
 Glick Linda L.
 Branham John E.
 Bray Michael E.
 Breeden James D.
 Brown Willis L.
 Burk Earl D.
 Calfee Karen S.
 Calton Lynn B.
 Chang Joseph J.
 Chapman Richard G.
 Chasten Dennis L.
 Cook, Frank S. Jr.
 Corbett Timothy P.
 Dean Larry J.
 Degen, Gerald D. Jr.
 Denney Kenneth L.
 Dietrich Randall G.
 Diltney M. Lee
 Doering Frank J.
 Dolata Edward W.
 Dorroh, Robert F. III
 Engineer Roy
 Euke Daryl D.
 Finnegan Jerrey D.
 Fitzgerald Richard J.
 Ford James A.
 Freeman Richard L.
 Friese Michael M.
 Gardner Steven M.
 Garrett, Jack T. Jr.
 Garrison Edwin J.
 Glick Linda L.
 Brady Linda L.
 Glynn Michael G.
 Habegger Ronald L.
 Hager Harold W.
 Hahn Joseph K.
 Haakins David R.
 Henson Phillip L.
 Hoeckelman Leslie
 Honyk Terrance J.
 Huebner Charles E.
 Ilavia Piloo E.
 Jaggi Dennis F.
 Jensen R. Gene
 Jones David B.
 Jussyp Juri
 Kao Ching-Nan
 Kaplan Mark S.
 Kemp Russell W.
 Kemp Wayne R.
 Killgore Ross D.
 Kirkbride Russell L.
 Knapp Larry J.
 Kone Franklin W.
 Korth Michael V.
 Kramer John L. J.
 Kuebler Kenneth L.
 Kuenz James M.
 Kuss Joseph K.
 Kwiecinski Timothy J.
 LaBoube Roger A.
 Lan Shing-Shong
 Lane Edwin D.
 Larsen, Glen A. Jr.
 Lee Hoo-Yuan
 Lewellen Frank
 Liang Arthur Y.
 Lin Jin-Tyan
 Lueddecke Donald E.
 Mack, Anthony A. Jr.
 Mahlandt Joseph N.
 Matoesian David H.
 Matthews Jerry L.
 Mc Clure, Nathaniel D. IV

1970 Cont.

Mc Farland Gene A.
 Mc Kelvey James B.
 Metz, Kenneth L. Jr.
 Midden Leo W.
 Mikkelsen Clark D.
 Mouser Gerald F.
 Nebel Thomas C.
 Neumeier Donald G.
 Niesen Richard E.
 Nolte Curtis E.
 Oliver Larry J.
 Olusanya Olusegun O.
 Owens, Edmund W. Jr.
 Pierce James R.
 Pierson Osseam E.
 Portnoff Neil S.
 Praznik Gregory E.
 Ramey Roy R.
 Rauls Gary L.
 Ray Charles T.
 Rechner James J.
 Reed Michael L.
 Rhoads Randall L.
 Ricono Marion P.
 Riley Richard K.
 Robinson Guy M.
 Roman Ronald J.
 Rooney Michael J.
 Rosenkoetter Arthur I.
 Rowan James M.
 Rushing Allen J.
 Schamel, Walter S. III
 Schiffner Larry L.
 Schmelzel Randolph W.
 Schmidt Michael G.
 Schmidt Thomas E.
 Schwager John L.
 Shannon Edward H.
 Shea Dennis P.
 Shinn William K.
 Sizemore, Lamar T. Jr.
 Smith Beverly D.
 Soong Philip J. J.
 Stephenson Michael W.
 Struessel David A.
 Stuckeneyer Randy L.
 Svinny David W.
 Taylor, Byron H. III
 Tenes Edward B.
 Thomas James P.
 Thornsberry Vance V.
 Tolle William L.
 Umphenour Charles F.
 Vaughn Paul E.
 Wang Fu-Yuan
 Warner John R.
 Wattenbarger James C.
 Wedge W. Keith
 Wiegele George L.
 Wiley Roger D.
 Williams Anita L.
 Williams Richard K.
 Wolff Thomas P.
 Yount Michael R.
 Zieger, James B. Jr.
 Zyllich Ronald G.

1971

Allen, John E. Jr.
 Arnold Kenneth B.
 Bartley, William H. Jr.
 Bauman William J.
 Becker Kenneth J.
 Benoy Leslie D.
 Bondi James O.
 Bondurant David W.
 Braaf John H.
 Buckwalter John R.
 Butchko Robert G.
 Butler James A.
 Chapman James M.
 Clark Bruce B.
 Conger Glenn J.
 Cook Michael M.
 Cooper Charles J.
 Cramer Robert M.
 Creason Gary W.
 Deaver Randall L.
 Dippold Jack D.
 Ditch Dennis W.
 Dollison Frank E.
 Doaze Terry W.
 Dostal Gregory G. J.
 Downing Kenneth B.
 Elliott Joseph O.
 Eppestine David A.
 Erickson Gordon L.
 Etezadi Bijan
 Ewert Charles M.
 Farrell John S.
 Forrest Ryan L.
 Foster Michael A.
 Frankforter Donald E.
 Galler Wayne J.
 Gallup Archibald M.
 Gav Martin T.
 Gayer John G.
 Gladish Lee A.
 Goetz Dale P.
 Gray Howard W.
 Gucciardo Terry A.
 Halter Edward M.
 Hayden Thomas M.
 Hellwege James W.
 Herzog Bruce E.
 Hubbard Robert D.
 Israel John I.
 Jahagirdar Madan G.
 Johnson Eric A.
 Jones James H.
 Katin Jon D.
 Keen Jerry G.
 Kelly Michael G.
 Kennedy Brenda S.
 Kerscher Thomas E.

1971 Cont.

Kirchner Frank S.
 Klotz James A.
 Krause Anthony L. S.
 Luth William L.
 Marcellus James R.
 Mc Cormick Larry L.
 Meng James C.
 Merwin James R.
 Mohalley Robert P.
 Montgomery, J. Dale Jr.
 Moore Ronald T.
 Nolan Lawrence E.
 Osseck Patrick M.
 Overturf Richard D.
 Parker Robert L.
 Parkes Roger D.
 Polich, Victor J. Jr.
 Rains Ronald D.
 Raitchel James F.
 Redington Stephen L.
 Reynolds John A.
 Robinson Gordon D.
 Sandella Michael S.
 Sandhaus Henry W.
 Scherrer Paul K.
 Seabaugh Allen W.
 Shanes Charles W.
 Sherwood Robert E.
 Simon David M.
 Sleboda David S.
 Smith G. Dan
 Smith Gregory P.
 Stanfield Dennis F.
 Tayloe Charles H.
 Thoroughman William C.
 Tikwart Robert J.
 Ulrich James G.
 Wade Philip J.
 Widner Gary W.
 Williams Raymond F.
 Wussler Alfred J.
 Yeh Shen K.
 Zlatic Milton T.

1972

Ackmann David A.
 Allen Michael P.
 Alspaugh David H.
 Anderson John R.
 Bachmann David E.
 Bontz Daniel L.
 Bottom Carey B.
 Boyd Stephen J.
 Brown Richard A.
 Buhrmester Earl K.
 Butts James D.
 Carson Alan W.
 Chien John F.
 Cole Hugh E.
 Collings James R.
 Davis Robert S.
 Deardenuff Dwight L.
 Dunkmann Steven W.
 Dunn Wyatt M.
 Edwards, John W. Jr.
 Egbert Robert I.
 Eyermaan Thomas J.
 Fausek Irving F.
 Faust Ronald G.
 Fletcher C. Scott
 Forsee Gary D.
 Frisbee Daniel E.
 Garrett L. Wayne
 Gundy Douglas G.
 Halbert Jeffery L.
 Hanson Steve A.
 Hao Wu
 Harris George L.
 Hellrich Linus H.
 Heseman Calvin R.
 Holt Michael L.
 Hunding, Carl W. III
 Ibarra, Santiago Jr.
 Illian Don L.
 Jones Alan W.
 Klein Robert E.
 Kovarik, Casper F. Jr.
 Kriegshauser, Paul C. Jr.
 Lambie Clinton R.
 Lauth John A.
 Leavitt Dallas R.
 Luzynski Lawrence H.
 Mackaman John C.
 Maddux Larry R.
 Marek J. Douglas
 Mc Cormack, Howard F. Jr.
 Miesner Stephen H.
 Mueller Kent W.
 Mungan John W.
 Mullen Daniel F.
 Mulligan, James A. III
 Nelson Steven F.
 North Michael A.
 Oberbeck, William F. Jr.
 Ochoa Juan G.
 Oliver Daniel L.
 Ostermann Norman P.
 Park Dean A.
 Partridge Ralph M.
 Phipps John O.
 Pitt Dale M.
 Politte James E.
 Ramek William F.
 Rogge Charles F.
 Scheibel Thomas E.
 Schmoldt Hans K.
 Schoenefeld, Karl P. III
 Schwarz Douglas B.
 Schweer Jeffery A.
 Sidel, Marvin V. Jr.
 Smith Russell D.
 Stehly Daniel W.
 Stephens William R.
 Summers, Alfred L. Jr.
 Susanj Jeffrey L.

1972 Cont.

Tate Ralph D.
 Taylor Michael E.
 Taylor Philip G.
 Taylor Roger K.
 Tenfelder John W.
 Toth Robert C.
 Upchurch Gregory E.
 Vandiver Gary W.
 Vogelphohl David R.
 Ward Joseph R.
 Wassilak John R.
 Werthman, John P. Jr.
 Woods, Roy B. III
 Woosley David E.
 Zerwig Larry J.
 Zimmer Paul A.
 Zinselmeier Albert E.

1973

Anderson Glenn R.
 Anderson Michael B.
 Atchley Katherine V.
 Dillon Katherine V.
 Bade Norman D.
 Baker John W.
 Barkau Robert L.
 Behn Thomas A.
 Behr Michael R.
 Black, Harold E. Jr.
 Blattel Steven R.
 Borusiewicz Daniel A.
 Bosky Marie L.
 Bremer Wayne P.
 Brown, Thomas S. III
 Brune Paula E.
 Hudson Paula E.
 Bryant Steven D.
 Byrne Patrick M.
 Colter Elaine A.
 Menke Elaine A.
 Cope Robert W.
 Cunningham William P.
 Davies Carol A.
 Langemach Carol A.
 Degel Frank C.
 Dillon Katherine V.
 Atchley Katherine V.
 Downs Philip R.
 Drane, Richard B. Jr.
 Edele James S.
 Edwards Sarah S.
 Sample Sarah S.
 Ellison Joseph C.
 Fadem Craig L.
 Fehlig Mark G.
 Fetterman Phillip S.
 Fitzpatrick William J.
 Fulkerson, Frank M. Jr.
 Gastreich Kent D.
 Gauss Montie J.
 Gayer Evelyn L.
 Gehrke, Charles W. Jr.
 Gibson Mario H.
 Goodman Roger K.
 Grotefendt Rande H.
 Heincker William R.
 Henderson Gary R.
 Hendren Larry L.
 Hendren Polly A.
 Reed Polly A.
 Hinkle K. Daniel
 Horstmann Paul W.
 Hudson Paula E.
 Brune Paula E.
 Hukku Suman K.
 Kahle Thomas A.
 Keating John A.
 Killinger John C.
 Kleinman Robert A.
 Kluge Roland H.
 Kroeter David W.
 Kuechenmeister Kenneth W.
 Kuntz Richard D.
 Kuzdas Adrian C.
 Lamano Larry L.
 Lambert Kathryn A.
 Langemach Carol A.
 Davies Carol A.
 Lederle Gary J.
 Leuschke Gary D.
 Lewis Lawrence L.



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Dear Alumni:

As one of the recipients of the Alumni "Special" Scholarships for the 1982-83 academic year, I would like to express my thanks to you for making this scholarship possible.

I was very pleased to find out that those people I read about in the Alumni news, and many others, have a part in my coming education at Rolla. My thanks go to all who have provided the encouragement in the form of this scholarship.

Sincerely,
Elaine Klutho
Chesterfield, Mo.

Editor's Note: Elaine will be a freshman in chemical engineering. Her father is Allyn Klutho, '63.

1973 Cont.

Lick John D.
Lick Linda D.
Marolf James W.
Martin Jimmy D.
Mente Elaine A.
Colter Elaine A.
Moscoso A. Jose A.
Pagano Salvatore J.
Patterson, J. Scott Jr.
Pendergrass Dennis L.
Petermann Ernie W.
Peters Richard E.
Pickell Mark B.
Puetz Lynne E.
Rambow Frederick
Ranek Nancy L.
Reed Polly A.
Hendren Polly A.
Reel Dana V.
Rois Rosemary P.
Sample Sarah S.
Edwards Sarah S.
Schafermeyer Richard G.
Scheller James D.
Schilling John R.
Schlueter Steven E.
Scott Larry L.
Shepard Stephen E.
Slovensky R. Clayton
Smith Richard A.
Stonner Roger L.
Stratman Mark J.
Stritzel David L.
Thies Fredrick J.
Thompson J. Kenneth
Vaeth Richard M.
Veden Leonard S.
Walz Michael A.
Warren Joseph P.
Watkins Wesley S.
Whitney Mark S.
Willoughby Ronald D.
Wilson Chris D.
Wilson Willis J.
Winfield Scott B.
Yates Frank H.
Zweifel Donald J.

1974

Adams John E.
Bachmann Roy O.
Barbeau Raymond A.
Bestgen Patricia S.
Wist Patricia S.
Bohn Ellen B.
Cherry Ellen B.
Bonczyk Bruce S.
Bouzoun John E.
Browa Daniel J.
Brueckmann Michael A.
Campbell John E.
Carroll Timothy J.
Cesare Joseph A.
Cherry Ellen B.
Bohn Ellen B.
Christy Edward J.
Clavenna Mark D.
Coates Willard D.
Collins Colleen A.
Fitzgerald Colleen A.
Critchfield John W.
Curd J. Calvin
Deaver Elizabeth E.
Todd Elizabeth E.
Degehhardt Dean A.
DeHaven Samuel J.
Dirkers Suzanne M.
Ziercher Suzanne M.
Duane Nicholas C.

1974 Cont.

Dupont Steven J.
Engberg Robert A.
Enloe Bruce A.
Fattwistle James M. Jr.
Fails Allen D.
Fitzgerald Colleen A.
Collins Colleen A.
Foil James L.
Gala Mark A.
Gibbons Theodore R.
Gibson John W.
Gibson Kristie C.
Green Charles R.
Grotefendt Judith R.
Wilson Judith R.
Hadley Susan E.
Rothschild Susan E.
Hall Donald E.
Hallford Daniel V.
Ham John S.
Hamilton Kenneth C.
Harris Norman A. Jr.
Head David W.
Hempler Robert G.
Heuckroth William E.
Hoeftlinger Larry J.
Howser Gerry W.
Hughes Dale W.
Hurst, Lindell R. Jr.
Hurst Michael D.
Iden Douglas C.
Ivers Jeffrey L.
Jones James S.
Jones Rick O.
Kerns Danny L.
Kerns Randy G.
Kieffer Thomas P.
Kornacki Alan S.
Kuliniewicz Allen P.
Lapp M. Monica
Lauer M. Monica
Larkins Richard R.
Lauer M. Monica
Lapp M. Monica
Lewis Neal A.
Naurseth Jerome A.
Mc Kee Richard H.
Melton John R.
Miller Janet B.
Miller Mark A.
Miller Michael J.
Million Daniel L.
Motherwell Jonathan T.
Murray Hugh D.
Nagy John T.
Neumann Nicolaus P.
Ogden Kathryn E.
Payne Kathryn E.
Oldham Steven C.
Pariani Gary J.
Payken Craig L.
Payne Kathryn E.
Ogden Kathryn E.
Pennington Douglas G.
Peterson Jerry D.
Pfister Sharon A.
Polakowski David R.
Ponzer Roland J.
Race Thomas J.
Rehkop Thomas G.
Rice David A.
Rice Lynn C.
Sheridan Lynn C.
Rich Jerry L.
Robertson William G.
Rothschild Susan E.
Hadley Susan E.
Sager David A.
Saporita Vincent J.
Schwartz Andrew J.
Sheahan David J.
Sherard, Ronald E. Jr.
Sheridan Lynn C.
Rice Lynn C.
Smith Bruce G.
Smith Stephen D.
Sorrrels Stanley W.
Souders Steven W.
Speck Robert C.
Spencer David P.
Stegner George D.
Strangoener Randy L.
Tabers Brady D.
Terry Michael L.
Thalhammer Mark G.
Tiebes Robert V.
Tillman Steven M.
Todd Elizabeth E.
Deaver Elizabeth E.
Travelstead Charles W.
VanHouten James H.
Weese John P.
Weyhaupt Gilbert J.
White Mark D.
Wilson Judith R.
Grotefendt Judith R.
Wist Patricia S.
Bestgen Patricia S.
Wood Barry K.
Young David M.
Ziercher Suzanne M.
Dirkers Suzanne M.

1975

Adrian Joseph B.
Agnew Allen B.
Algaier Mark D.
Allan David W.
Althage Ronald I.
Aronberg Garry R.
Barrack Nicholas E.
Basye Richard E.
Bechtold M. Scott
Bertram Jeffery P.
Bier Patrick K.

1975 Cont.

Blauvelt David S.
Bodenhamer Steven D.
Bogler Thomas J.
Boiles John H.
Borowiak Thomas G.
Broshears William E.
Buchek Linda A.
Doyle Linda A.
Burnham Joseph L.
Cobb David E.
Cole Jimmy D.
Daniells, Charles P. Jr.
DeClue Dale R.
Doyle Linda A.
Buchek Linda A.
Ellis Thomas B.
Eppestine Diane C.
Gibbs Diane C.
Erickson Alan G.
Erickson Christina K.
Evertowski Mark S.
Finley Larry R.
Fournier Joseph D.
Freese Guy R.
Gac Frank D.
Gibbs Diane C.
Eppestine Diane C.
Giulvezan Mark S.
Gower Patrick E.
Graumana Richard W.
Griffin Michael
Hartmann John C.
Head Donald R.
Hellwig Gregory A.
Hillhouse Charles A.
Hillhouse Michael D.
Hinkle Delores J.
James Delores J.
Holcomb Steven K.
Hoops William C.
Hung Nguyen V.
Irvine William D.
James Delores J.
Hinkle Delores J.
Kambol Stephen A.
Keil Louis H.
Kho Nguyen H.
Knoch James W.
Koehler David F.
Korkoian Craig S.
Larkins Lawrence J.
Lewis David R.
Lorenz William P.
Lurtz Bruce D.
Maddox Hubert R.
Marsh Janet E.
Marting John J.
Mc Cloud Roger W.
Mertens Ferdinand J.
Mertens Michael P.
Millburn Brian G.
Milne Thomas J.
Mueller James W.
Ott James W.
Myers, Jack A. II
Nelson David M.
Oliver Pamela S.
Ott James W.
Mueller James W.
Pace James H.
Pace Randy C.
Paschke Allen J.
Patrick Wesley C.
Pinaire Ronald
Prater, Raymond B. Jr.
Quinn Michael J.
Pal Siri Ram
Roberts Ronald R.
Roy Daniel C.
Scholnik David H.
Sina Jerry L.
Skibiski Kevin C.
Stellern John L.
Storck W. Fred
Tesar Mark W.
Treasurer Roberta L.
Wilhelm Roberta L.
Vancil Stephen P.
Walling Dale L.
Ward Terry L.
Warfel Michael R.
Watts James J.
Welch Bernard J.
Wenk Dan K.
Westermayer John C.
Wilhelm Roberta L.
Treasurer Roberta L.
Williamson Richard F.
Winkelsmann Ray E.
Wood Dennis L.

1976

Abney Paul A.
Ahal William R.
Amidi Janshid
Benson William A.
Bockhorst Myron F.
Bodenhamer Charles R.
Boesl Earl J.
Boxx James P.
Bradley Dale E.
Braun Robert P.
Bray Lana J.
Scott Lana J.
Brothers Stephen A.
Brunger Mark D.
Burton Robert E.
Chambers David J.
Chromister Donald J.
Coleman Kim C.
Livengood Kim C.
Coursen Denise K.
Cummings Ramona K.
Ogle Ramona K.
Cummings Ted H.



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1976 Cont.

Dabler, Edward R. Jr.
Denner David K.
Denner Denise M.
Lovasco Denise M.
Dolle Gary L.
Drechsler Terry L.
Dudley James W.
Dulin Catherine L.
Stellern Catherine L.
Edelman Thomas M.
Ellis Michael E.
Fenton Jeff T.
Field T. Kent
Fleischman Robert F.
Gordon Kraig L.
Gordy Thomas W.
Griese James C.
Guevel Lawrence A.
Hand Kathryn A.
Helmkamp Robert E.
Hicks Gregory K.
Hilleary Alexander L.
Hudson Dale D.
Kallmeyer Gary M.
Kuhn Catherine M.
Scholl Catherine M.
Kutz Anthony W.
Lee Darrell R.
Lees John R. Jr.
Leitterman Dennis W.
Leonard James V.
Livengood Kim C.
Coleman Kim C.
Lomax Lindsay E.
Lovasco Denise M.
Denner Denise M.
Maddox Patrick A.
Mahin Clifford A.
Manqoff, John W. Jr.
Manning Debra A.
Mc Allister, William C. III
Mc Cartney Jill A.
Westermayer Jill A.
Mc Coy Thomas H.
Melcher Richard W.
Miehe William K.
Miller Melanie G.
Naeger Melanie G.
Morrill Kim M.
Simon Kim M.
Mudd Richard W.
Naeger Melanie G.
Miller Melanie G.
Noelken David A.
Oberdick R. Kevin
Offutt, Joseph C. III
Ogle Ramona K.
Cummings Ramona K.
O'Neill Timothy G.
Parrish Duane L.
Perrymore Loyd G.
Puetz William C.
Rash William C.
Ratliffe Laurie A.
Reynolds George E.
Rosiere Darrell W.
Sapp Paul W.
Scaff Richard A.
Scholl Catherine M.
Kuha Catherine M.
Schwab Lawrence R.
Schwager Sally S.
Scott Lana J.
Bray Lana J.
Shimp Marvin B.
Simon Dennis M.
Simon Kim M.
Morrill Kim M.
Simpson Robert D.
Skipper David J.
Smith Cheryl L.
Tyner Cheryl L.
Snodgrass William D.
Stellern Catherine L.
Dulin Catherine L.
Swinarsky Gerald
Telthorst Paul J.
Thompson David F.
Torres John P.
Trimble John R.



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1976 Cont.

Tyner Cheryl L.
Smith Cheryl L.
Underwood Daniel H.
Van Praag Jeffrey R.
Vehige Joseph A.
Vlcek Robert W.
Walker Reid R.
Watkins Michael M.
Westermayer Jill A.
Mc Cartney Jill A.
Wiese Charles W.
Wood James D.

1977

Allen Bruce H.
Alsberg Charles P.
Bloch Daniel D.
Boegner Philip J.
Bown John S.
Bradway Bruce R.
Bruns John M.
Burr Richard C.
Cadvell Warren D.
Cawfield David W.
Chian Russell A.
Chirakiti Prakob
Claus Jeffrey J.
Clifford Jimmie D.
Cowan Keith J.
Diestelkamp David A.
Dye Rebecca J.
Parkhill Rebecca J.
Eckelkamp James T.
Eloe Paul W.
Ewens Joy M.
Thompson Joy M.
Filla Michael J.
Fronick David H.
Gianino Kenneth M.
Gibbs William R.
Giesler Arthur L.
Graham Jon A.
Hamilton Leslie R.
Hampel Richard G.
Hastey James P. Jr.
Hatcher, Price III
Haul Robert W.
Hertfelder Warren W.
Hilgarth Carl O.
Huntton Pamela J.
Jackson Lawrence C.
Jansen Veronica D.
Jarrett Christopher M.
Jones Michael W.
Keats Dennis R.
Kobylinski Edmund A.
Kossina Paul G.
Ladage John J. Jr.
Langkopf Brenda S.
Leazini Vernon L.
Liescheidt Steven G.
Livengood Ross D.
Loos Louis G. II
Mac Glashan Mark L.
Mc Grath George M. Jr.
Morgan Twyla D.
Mosby Randall L.
Mueller Mary A.
Ott Mary A.
Naeger Robert J.
Nelson Stephen R.
Newby Arnold S.
Ott Mary A.
Mueller Mary A.
Panhorst Terry L.
Parkhill Rebecca J.
Dye Rebecca J.
Parkhill Stuart T.
Partney Stephen R.
Price Sean E.
Primeau Steven T.
Rauzi Thomas J.
Rivero Jesus S.
Ruhling Gary A.

1977 Cont.

Schnoebelen, Paul C. III
Shajari Beeramali
Siebenman, Richard B. Jr.
Sillyman, Joey E.
Smith Richard C.
Springer Kent S.
Stutsman John V.
Sudholt Terry A.
Talbot Nicole L.M.
Thompson Joy M.
Ewens Joy M.
Van Deven Randall W.
Van Houten Donald L.
Vatanapradit Thirapit
Vrazalich Stephan M.
Warren Gary Keith
Weidinger Donald J.
Welzbacher Jeffrey D.
Williams Ronald J.
Wyatt Bradley J.
Zieqler John A.

1978

Abrams Lawrence K.
Allen Stephen L.
Baker Gregory J.
Baker Ronald E.
Balliew Elaine A.
Christian Elaine A.
Bast Gerard T.
Baumann Richard E.
Beresik Theodore L.
Bernstein Craig S.
Bestor Ted F.
Bodenhamer Kevin C.
Bonilla, Alfredo III
Budd Debra J.
Buechler Christopher R.
Bullman Mrs Gale
Burriss Darlis J.
Buschmeyer Paul D.
Busse John R.
Cain Scott B.
Callahan Susan L.
Charles Albert L.
Christian Elaine A.
Balliew Elaine A.
Coldiron Michael L.
Colliton James E.
Cripe Mary R.
Reidmeyer Mary R.
Crowley A. David
Delgado Hipolito
DeThorne Jacquelyn M.
Falconi Jacquelyn M.
Durrenberger Fred H.
Pflerbrake Brenda E.
Liescheidt Brenda E.
Epperson Joseph
Falconi Jacquelyn M.
DeThorne Jacquelyn M.
Ford, Ferrill E. Jr.
Gossett Gary B.
Grana, Joseph M. Jr.
Gredell Thomas R.
Gregory Michael J.
Haferkamp Jeffrey J.
Harrington Nancy E.
Haynes Michael A.
Heisserer Melvin R.
Hepler Thomas E.
Hitchcock David C.
Hoehn William E.
Holland, David K. Jr.
Horn Peter C.
Ivy, James M. II
Johnson Robert J.
Kasten Bradley W.
Kramer Garrett S.
Kunz Frederick L.
Lang Gregory A.
Lautenschlaeger Steven D.
Lewis David B.
Liescheidt Brenda E.
Ellerbrake Brenda E.
Lubbert Randall J.
Ludwig Michael F.
Mahanna John R.
Marshall Mary A.
O'Grady Mary A.
Mason Robert W.
Maxwell Gary P.
Mc Ginnis Kelly L.
Melton Douglas C. Jr.
Merrill Kevin J.
Neyer Joseph C.
O'Brien, Joseph R. Jr.
O'Grady Mary A.
Marshall Mary A.
Olson Stephen A.
Pratt Michael L.
Puckett James L.
Rau James T.
Reed Danny A.
Reidmeyer Mark A.
Reidmeyer Mary R.
Cripe Mary R.
Rethmeyer Stephen J.
Rivero N Sergio N.
Roenfeldt Mark A.
St Onge Kenneth J.
Sauer Stacy J.
Schaefer Michael E.
Scheining Terry R.
Sikavi Tony
Simac Michael P.
Staley Charles E.
Stolwyk John M.
Webers David M.
Wills, James H. Jr.
Winter David G.
Wolff Leonard A.
Yin Robert W.
Zuiss Thomas J.

1979

Avery Karen S.
Ludwig Karen S.
Bales Bruce S.
Birchler Donald C.
Buchanan, E. Clay III
Bueler, Frederick Jr.
Burbridge Thomas E.
Bush James A.
Calise Salvatore J.
Campbell Wolfgang S.
Centner Patricia A.
Chaworro Rodrigo S.
Conant Paul C.
Cooper Bruce J.
Daniel Kathleen S.
Niles Kathleen S.
Doyle Patricia A.
Dressel Dennis T.
Ehret Michael S.
Emily Dennis J.
Englehart William E.
Etem Richard D.
Faust Michael B.
Field Linn A.
Finch Richard R.
Fisher A. Jay
Fleddermann Kim E.
Ford Stephen P.
Fulton Anne
Greenwalt Warren R.
Greer Louis M.
Guethler Timothy A.
Hadley Stanton W.
Hagale Thomas J.
Heimbuerger Stanley A.
Hengel David E.
Henry Robert P.
Hovis Mark A.
Jacobi Carl L.
Jantosik, Edward C. Jr.
Johns Robert D.
Johnson Stephen C.
Justus Dayna K.
Klamert Kenneth R.
Krusiek Ronald S.
Kunkel Katherine K.
Wesselschmidt Katherine K.
Kuo Li-Jen D.
Lammert Paul T.
Lanza Phyllis T.
Panhorst Phyllis T.
Lewis Jeffery S.
Lockington Steven M.
Loe Stephen P.
Ludwig Karen S.
Avery Karen S.
Madden Timothy J.
Mc Fall, Richard W. Jr.
Mc Guire Shawn K.
Midgley, Myles J. Jr.
Milburn Darrell E.
Miles Kathleen S.
Daniel Kathleen S.
Millsap Gary D.
Myers Jimmie B.
Neumann James P.
Nguyen Tri X.
Nunnally Robert C.
O'Daniell Michael W.
Pagan John C.
Panhorst Phyllis T.
Lanza Phyllis T.
Parker James V.
Pile, Thomas N. Jr.
Poor Homer L.
Potthast Susan H.
Pundmann Joel A.
Queenon Robert H.
Rosener William J.
Runge Mark E.
Sanders Roger D.
Sauer Harry J. III
Schneider Michael A.
Schroeder John I.
Shearer Neal A.
Slusher Morgan P.
Staab Kenneth P.
Stalnaker Kevin W.
Stein William J.
Stillman William R.
Tickner Dianna K.
Tordoff David B.
Unnerstall, Lawrence H. Jr.
Veatch Ann E.
Walker, Burton K. III
Wesselschmidt Katherine K.
Kunkel Katherine K.
Williams Everett A.
Williams Gaylard T.
Witt Leslie D.
Wolf Lawrence D.
Wood Teddy J.

1980

Bates Thomas W.
Becher Margaret M.
Beresik Barry A.
Bryant Danny T.
Carnevale J. Ken
Chalid Muhammad J.
Clark Gary D.
Cook Christopher C.
Cowan Cherie R.
Danzo Francis V.
DeShazo, Henry M. II
Dittmaier Thomas A.
Doctorman James R.
Dyer James A.
Gianino Jo Ann M.
Pesich Jo Ann M.
Hackman Kendall B.
Hagan Kevin J.
Hagni Ann M.
Heilman Paul W.
Heim Patricia L.
Thebeau Patricia L.

1980 Cont.

Henry Lindsey R.
Hilke David L.
Hoelscher Sandra M.
Jameson Randall W.
Jepsen J. Scott
Klumpe Michael G.
Krafft James D.
Leach Susan A.
Marfice James P.
Martin Stanley O.
Mathey John D. Jr.
Mc Call Michael F.
Mc Cann Robert C.
Mc Field, Charles B. Jr.
Mc Gowan Merrily A.
Shaw Merrily A.
Mc Intyre Leslie L.
Nichols John S.
Nix William J.
Norman, Charles W. Jr.
Pesich Jo Ann M.
Gianino Jo Ann M.
Patzmann Carol A.
Smith Carol A.
Raines Ronald L.
Rimney Janet M.
Ronchetto Gene C.
Scheiter Gene L.
Schneider Robert M.
Shaw Merrily A.
Mc Gowan Merrily A.
Sherry Brian G.
Smith Carol A.
Patzmann Carol A.
Sommerer Alan J.
Struempff Dennis J.
Sullivan, Thomas J. Jr.
Thebeau Patricia L.
Heim Patricia L.
Timm Gary A.
Turner Susan I.
Urban Mark A.
Vinh Tieu
Visio George M.
Volker Fredric W.
Wesselschmidt Keith D.
Wibbenmeyer Brad L.
Wille Robert J.
Williams Timmy A.
Williams Todd K.
Wilsey Mark E.
Winter Benjamin P.

1981

Baldetti Paul G.
Bradham Vicki E.
Cadwallader Lee C.
Chaffin Michael G.
Darst Jeffrey W.
Drake James G.
Foehrweiser Gary R.
Gettemeyer Glen R.
Grindinger Gregory J.
Hadley Rosalie J.
Larson Rosalie J.
Harris Daniel W.
Hayes Thomas M.
Heim Reuben C.
Jasper Randal L.
Larson Rosalie J.
Hadley Rosalie J.
Lindsey Steven E.
Payne Steven E.
Lynch Colleen T.
Martin Patrick D.
Matthews Brian L.
Payne Steven E.
Lindsey Steven E.
Shapiro Yoelit H.
Stevens Robert E.
Strubberg David L.
Tomazi Keith G.
Whetsel James D.



1981 Rollamo

Century Club

The Century Club Honor Roll for 1981 lists the names of 749 donors whose gifts made them eligible for membership in the club. In 1980, the Honor Roll carried the names of 727 donors. The certificate of membership in the Century Club says, "an organization of alumni founded on May 27, 1967, to aid and support the University of Missouri-Rolla through substantial gifts to the MSM-UMR Alumni Association Annual Fund." There were 38 members in the first year of the Century Club and your slide rule or calculator will allow you to figure the percentage of increase from that time to this.

Adamick Henry S.	1944	Brouk Ralph H.	1942
Alford Rex	1940	Brown Guy Jr.	1940
Alger Robert P.	1938	Brown Richard A.	1972
Allen George W.	1951	Brueckmann Michael A.	1974
Anderson David K.	1951	Bruns Robert F.	1947
Anderson James S.	1955	Buel Robert W.	1950
Andreae Andreas A.	1941	Buescher Alfred J.	1964
Andreae Robert A.	1969	Buettner Melvin A.	1951
Andreae Vicki M.	1970	Burgess Woodrow L.	1940
Andreae Wayne T.	1958	Burke Edmund C.	1943
Andrews J. Lewis	1924	Burke George E.	1946
Appleyard Frank C.	1937	Burns Otis A.	1951
Arnold Frederick W. Jr.	1936	Burton Robert R.	1963
Arnold Robert D.	1969	Busch David W.	1967
Askeland Donald R.	1974	Busch William D.	1942
Atkinson Marlon L. Jr.	1925	Bush James A.	1979
Avery Karen S.	1979	Byrd Herman C.	1950
Ludwig Karen S.	1979	Campbell Wolfgang S.	1979
Axmacher George W.	1942	Carr Walter J. Jr.	1940
Bachmann Roy O.	1974	Carter Ronald W.	1967
Baebler Arthur G.	1955	Cawns Albert E.	1959
Baerveldt Robert P.	1948	Chaffin Michael G.	1981
Bailey Keith E.	1964	Chaney James B.	1948
Baily Walter E.	1949	Chasten Dennis L.	1970
Baker Ronald E.	1978	Chen Willie Y.	1950
Balmat Jack S.	1948	Chomcau Henri	1923
Banks Ralph	1948	Christiansen Carl R.	1947
Barclay Arthur H. Jr.	1937	Clark Bruce B.	1971
Barger Hubert S.	1939	Clarkson Charles F.	1941
Barker Marvin W.	1939	Claus Jeffrey J.	1977
Barnard Charles R.	1920	Close Maxwell I.	1963
Barnhart Herbert D.	1944	Cochran Andrew A.	1941
Barrow Carlton W.	1936	Coco Matteo A.	1966
Barsachs Edwin H.	1950	Coffee Ralph E.	1950
Bartel Donald S.	1964	Coil Benjamin R.	1929
Bartling Donald L.	1963	Cole Allan A.	1952
Bast Gerard T.	1971	Cole Jimmy D.	1975
Bauer Richard H.	1952	Cole Ralph C.	1934
Bauman William J.	1971	Cole Richard E.	1947
Raumbach Dale M.	1963	Collins William W.	1950
Baumgartner George R.	1956	Comanich George W.	1951
Baumgartner Rupert P.	1928	Conci Frank B.	1954
Baumstark Walter A.	1940	Connors William C.	1966
Bay Robert D.	1949	Cook Christopher C.	1980
Beard Reade M.	1936	Cook Thomas W.	1965
Becker Theodore H. Jr.	1969	Coolidge Donald J.	1943
Beers Seymour J.	1941	Cooper Richard C.	1952
Behring Allen G.	1966	Cornett Roy C.	1938
Bennetsen Wayne J.	1941	Couch G. Robert	1941
Bennett Charles W.	1949	Crane Harold R.	1953
Bentrup Otto T.	1960	Creelius Donald G.	1941
Berkey Vernon G.	1950	Crites Joseph D.	1949
Berndt Joseph P. Jr.	1943	Crookston James	1942
Berry Hugh R.	1925	Crum E. Jefferson	1929
Berry Jerome T.	1949	Culbertson William W.	1937
Bestgen Patricia S.	1974	Cummings Ramona K.	1976
Wist Patricia S.	1974	Ogle Ramona K.	1976
Bier Patrick K.	1975	Cummings Ted M.	1976
Biermann Earl E.	1943	Dalbini David	1949
Bitzer David B.	1953	Dasenbrock Arthur A.	1951
Blackmon Paul H.	1966	Davidson Edwin A.	1950
Blair Norman D.	1941	Davis Jerry W.	1966
Blake Philip L.	1924	Day Delbert E.	1958
Blancke C. Dudley Jr.	1951	DeBolt Donald G.	1949
Blankenmeister Erwin G.	1949	Degenhardt Dean A.	1974
Blume David J.	1965	Denney Kenneth L.	1970
Bodenhamer Charles R.	1976	Dennie Powell A.	1940
Bohl Carl D.	1959	Dennis William E.	1936
Boje George J. Jr.	1950	DeShazo Henry N. II	1941
Bolon Lucien M. Jr.	1959	DeWitt Russell E.	1941
Boorky Morris	1939	Dickens Richard L.	1951
Bossert Harry F.	1927	Dieckgrafe Robert E.	1951
Bottcher Hermann P.	1941	Dittmer Russell S.	1929
Boyd Charles L.	1951	Dobson Richard J.	1934
Boyd Marvin E.	1953	Dods Stuart	1939
Royd Robert E.	1941	Dolata Edward W.	1970
Brackbill Robert M.	1942	Dorf Roger A.	1965
Brady John R.	1951	Dowd James D.	1944
Branchetter Mrs Paul C.	1976	Dowell Jack B.	1954
Braun Robert P.	1949	Dowling Paul T.	1940
Breeze Francis V.	1949	Downs Jack S.	1949
Brendle Stephen J.	1969	Drake William L.	1929
Breuer Coy L.	1949	Dressel Waldemar M.	1943
Breuer William	1932	Dull Melvin J.	1958
Broadus Wayne R. Jr.	1955	Dunham Roy H.	1947
Brock Joe P.	1960	Dunn Ervin E.	1951
		Dutton Donnell W.	1935



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Dye Rebecca J.	1977	Green T. Howard	1929
Parkhill Rebecca J.	1977	Gregg James L.	1923
Ecoff Ralph A. Jr.	1973	Griffith H.M.	1930
Edele James S.	1935	Grimm C. James	1928
Edgar Max E.	1935	Gross Henry E.	1976
Edwards Mrs Francis C.	1962	Guevel Lawrence A.	1969
Einsel Miller D.	1964	Gulick Gary H.	1980
Ellenbracht, Clarence A. Jr.	1968	Gund Russell A.	1972
Elliott Roger L.	1968	Gundy Douglas G.	1950
Ellis Elmer	1938	Haus Paul A.	1967
Ellis J. Craig	1947	Hachauth Henry K.	1941
Ellis W. Ashley	1939	Hacker Alden G.	1974
Ellis William R.	1966	Hadley Susan E.	1935
Ellison Donald R.	1948	Hale Edward D.	1932
Ellison Floyd A.	1957	Haley Coner C.	1948
Eloe Howard W.	1950	Haley Wilbur A.	1943
Emery John R.	1929	Halladay Harold W.	1969
Enfield Bernard M.	1974	Hallett William M.	1955
English Thomas O.	1974	Hanna Robert L.	1943
Entwistle James M. Jr.	1971	Hansen J. Richard	1988
Eppelsheimer Daniel S.	1975	Harper William S.	1951
Eppestine David A.	1962	Harrill William D.	1962
Eppestine Diane C.	1961	Hasslett Gerald W. Jr.	1955
Gibbs Diane C.	1962	Hassler Milburn	1931
Espana Jorge A.	1961	Hastey James P. Jr.	1977
Evans Donald L.	1952	Hauck William F.	1925
Evans John E.	1966	Havener Gary W.	1962
Evans Larry G.	1934	Head David W.	1974
Fagan Durward E.	1941	Head Eldon W.	1958
Falls Allen D.	1933	Heim Carl J.	1925
Falkingham Donald H.	1963	Heiser Frederick W.	1939
Farmer John O.	1941	Heitmann Albert L.	1925
Farmer John O. III	1963	Hellwege William H.	1947
Farrell Edward C.	1941	Helmkamp Robert E.	1976
Farrell William M. Jr.	1965	Henderson Gerald E.	1961
Fausek Irwing P.	1976	Henson Gerald L.	1951
Fenton Jeff	1964	Hepp Joseph T.	1948
Ferrill C. Stuart	1941	Herman Theodore	1928
Ferrill Mrs J.O.	1976	Herrrell R.R.	1950
Fick Armin F.	1943	Herrmann Thomas A.	1962
Field T. Kent	1941	Herzog Michael S.	1959
Finch Raymond P.	1939	Hess Robert W.	1976
Finley Fred W.	1936	Hicks Gregory K.	1950
Finley Thomas J. Jr.	1960	Higgins Albert J.	1928
Fiss Edward C.	1976	Hill Albert L.	1942
Flanigan Virgil J.	1943	Hill William E. Jr.	1975
Fleischman Robert F.	1978	Hinkle Delores J.	1973
Flesh David J.	1922	James Delores J.	1928
Flood H. William	1940	Hodgson Sam D. Jr.	1932
Ford, Ferrill E. Jr.	1949	Hoeman Arthur J.	1930
Ford Ragan	1923	Hoeman Erwin C.	1959
Forgotton James M.	1923	Hoffman Anthony E.	1951
Fort George E.	1953	Hohlfelder Eugene F.	1964
Foster Jack D.	1943	Holley Robert G.	1972
Frame Wayne S.	1941	Holt Michael L.	1950
Frankforter Donald E.	1943	Honerkamp Donald L.	1923
Freebersyser George J.	1951	Hoover Bert F.	1932
Fris Edward S.	1926	Horn Rex T.	1951
Fris Joseph P.	1949	Horst William E.	1948
Fukubayashi Harold H.	1958	Howell Richard B.	1948
Gammeter Elmer	1972	Howell Theodore R.	1949
Gannon William H.	1970	Hubbard William P. Jr.	1966
Garrett James H. Jr.	1971	Huddleston James A. Jr.	1953
Garrett L. Wayne	1961	Hudgens Lowell D.	1960
Garrison Edwin J.	1969	Humphrey Waldo D.	1972
Gaw Maria T.	1931	Hunting Carl W. III	1950
Gerhart Bill L.	1975	Hunt J. Richard	1950
Gerig Martha M.	1974	Isbell Clarence A. Jr.	1950
Gevecker Vernon A.C.	1973	Jackson Earl E.	1977
Gibbs Diane C.	1977	Jackson Lawrence C.	1970
Eppestine Diane C.	1955	Jaqqi Dennis P.	1975
Gibson Kristie C.	1960	Hinkle Delores J.	1963
Gibson Mario H.	1975	Jaquay Richard L.	1961
Giesler Arthur L.	1951	Jatem Julian S.V.	1953
Gilliam Dale D.	1953	Jenkins Robert D.	1981
Gilmore Jerry L.	1925	Jensen James W.	1970
Giuliani Dolores	1944	Jensen R. Gene	1929
Giulvezan Mark S.	1951	Johnson Charles W.	1959
Givens William A.	1953	Johnson Gordon E.	1950
Gjelsteen Thor	1925	Johnson Virgil A.	1965
Godwin William	1944	Joiner Bruce B.	1972
Goetemann Edwin C.	1951	Jones Alan W.	1972
Gould David S.	1961		
Grannemann H. Neal	1959		
Green Sidney J.	1959		



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Century Club Members Continued

Jones Billy R.	1956	*Murphy James J.	1935
Jones Eugene P.	1948	Murray Hugh D.	1974
Jones Richard L.	1955	Myers Donald D.	1961
Jones Sam P.	1949	Neal Kenneth R.	1930
Jones Thomas A.	1942	Needles Mrs Enoch R.	
Jones Vernon T.	1953	Nelson Stephen R.	1977
Junge Gregory	1965	Nesley Mrs W. L.	
Kemper Oliver W.	1935	Neubert Ralph L.	1942
Kao Ching-Nan	1970	Neustaedter James A.	1943
Karbosky Joseph T.	1942	Newins James R. Jr.	1942
Kassay Andrew W.	1932	Newins Marvin E. Jr.	1941
Kasten Paul R.	1944	Niederstadt Roland J.	1950
Kasten Raymond O.	1943	Nolte William J.	1920
Keen Jerry G.	1971	Norman Aaos	1949
Kehr Edwin A.	1950	Novotnak Frank	1950
Keil Byron L.	1952	Oakley David L.	
Keller Gerald N.	1951	Oberbeck, William F. Jr.	1972
Kemper Claude L.	1924	Oberdick R. Kevin	1976
Kennedy Harry E.	1951	Ochs Calvin M.	1949
Kent Herbert E.	1951	Odom James T.	1961
Kent, Nevada A. III	1953	Ogle Ramona K.	1976
Kent William D.	1943	Cummings Ramona K.	
Kentaur, Charles B. Jr.	1924	Oldham Douglas G.	1969
Keppel James R.	1968	Olson Stephen A.	1978
Keshari Hossein R.	1960	O'Neill John J. Jr.	1940
Kessler Harry H.	1924	Osterwald Herbert R.	1930
Kettenbrink Edwin C. Jr.	1967	Otten Peter E.	1962
Kidwell Albert L.	1940	Owens, Edmund W. Jr.	1970
Kieffer, Alonzo R. III	1959	Ozawa Jack K.	1945
Killingler John C.	1973	Ozorkiewicz Ralph L.	1969
Kind Daniel A.	1942	Page Clifford P.	1931
Kingsbury Ronald M.	1956	Palter John L.	1950
Kirkpatrick Harry P.	1930	Parker Robert L.	1971
Kirkpatrick Ruel L.	1931	Parkhill Rebecca J.	1977
Kitchen Charles L.		Dye Rebecca J.	
Klebba Kenneth F.	1960	Parkhill Stuart T.	1977
Klein Robert E.	1972	Parks John W.	1950
Knapp Larry J.	1970	Pasley James L.	1925
Knearem James L.	1953	Patterson William E.	1953
Knecht Walter S.	1949	Paul James R.	1943
Koehler David E.	1975	Paul Murray J.	1927
Koepfel Beverly W.	1938	Payken Craig L.	1974
Konrad Richard J.	1958	Peacock David N.	1964
Kornacki Alan S.	1974	Peppers Robert E.	1950
Kovach John J.	1950	Perry E. L. Roy	1940
Kozeny Donald J.	1957	Perry Robert C.	1949
Kramer Ralph H.	1966	Perryman, George I. Jr.	1947
Kraus Ronald W.	1964	Peterson Jay A.	1961
Krispin Joseph P.	1954	Pfeiffer Herman J.	1936
Krueger Harold A.	1942	Pisadore Ronald	1975
Kruep Raymond J.	1966	Pisacane Louis A.	1958
Kuechenmeister Kenneth W.	1975	Pohl Robert A.	1942
Kuener Frederick S.	1953	Pond Norman H.	1959
Laabert Jennings R.	1941	Porter Clayton G.	1968
Lambert Paul T.	1979	Post John R.	1939
Land Donald W.	1964	Potter C. J.	1926
Lanier Eugene B.	1938	Prange Robert L.	1926
LaPlante Allan H.	1963	Preiss Robert K.	1950
Larkins Lawrence J.	1975	Price William J.	1965
Lasko Helen D.		Primeau Steven T.	1977
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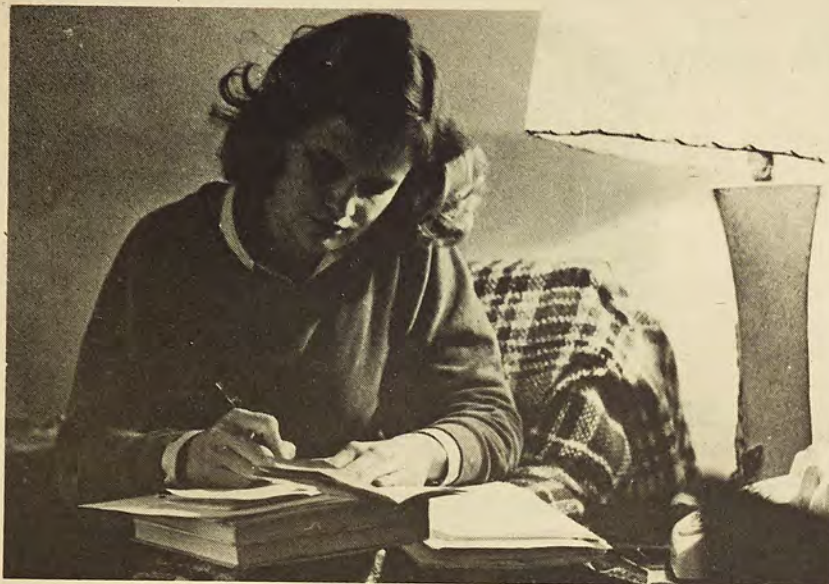
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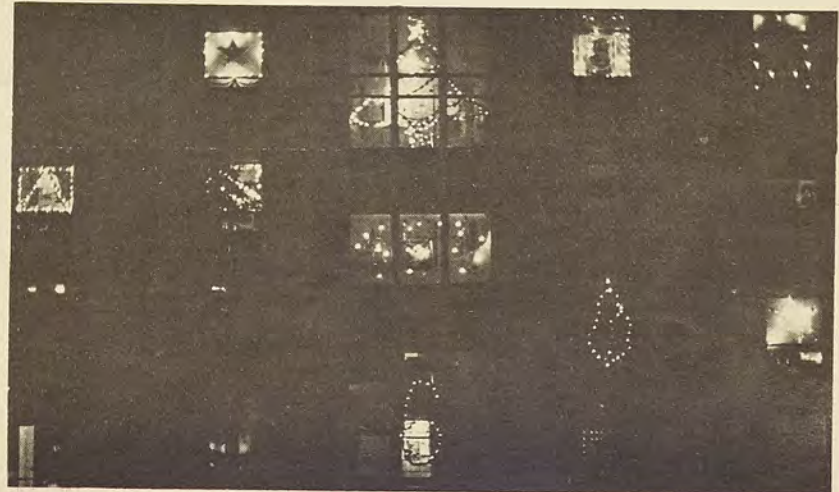
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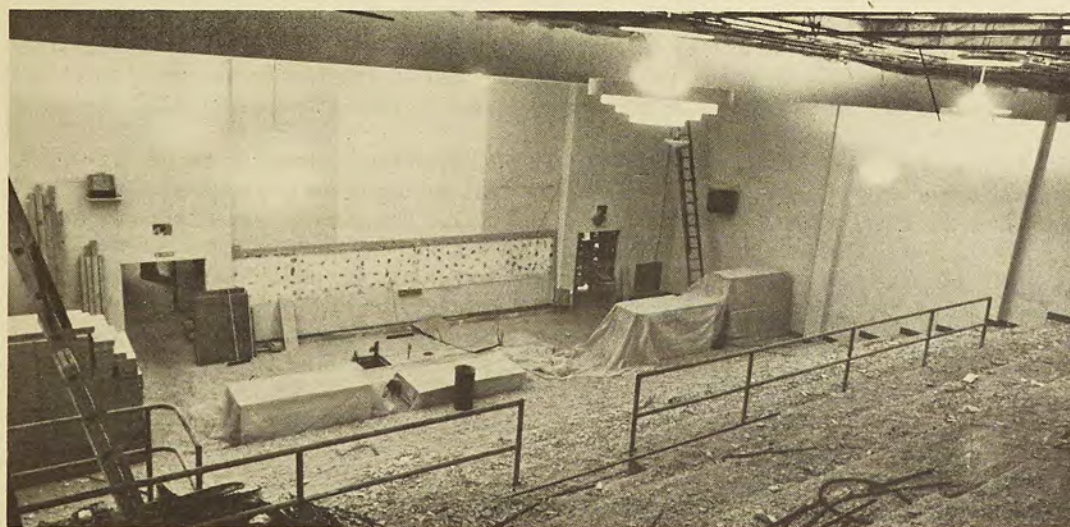
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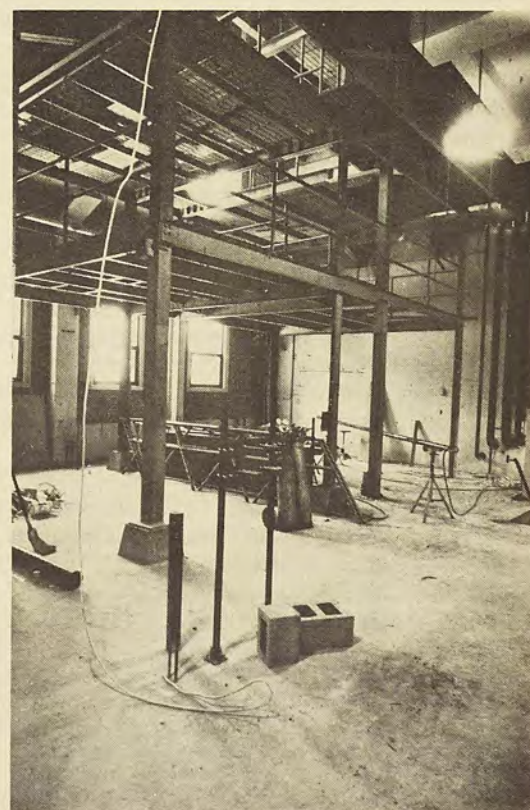
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Donations to UMR's development fund are used in a variety of ways to enhance the quality of education on this campus. One of the tangible ways a portion of the funds is currently being used is to assist in the renovation of the older portion of Schrenk Hall, the Chemistry-Chemical Engineering Building. The photo above shows work being done on the large 300-seat lecture hall. A new ceiling, walls, seats, P.A. system and lighting are being installed as well as equipment for chemistry demonstrations. At right, the unit operations laboratory receives extensive remodeling. This lab formerly extended from ground level to the top floor with four levels of grid flooring connected by an iron staircase. In the future, permanent flooring will be installed on the second and third floors with a mezzanine storage and maintenance area included in the ground-level area. A 4 x 4' opening will be left on all levels for experiments with over-size equipment. Outmoded equipment has been removed and the floor drains sealed. New equipment stations will be installed.



The following article (edited to delete references to local area) is reprinted with permission of the Flint (Mich.) Journal.

Lloyd E. Reuss..... In The Forefront At General Motors

By Richard C. Noble, Automotive Writer

The grease-smudged teen-age mechanic who repaired tractors in Illinois farm fields now is pegged by some auto industry observers to wind up in the driver's seat of General Motors.

That mechanic's name is Lloyd E. Reuss. Now at 44, he has rapidly risen through the GM ranks and today occupies the rosewood-paneled general manager's office at Buick. Reuss, the youngest GM division head since John Z. De Lorean, is a talented and ambitious corporation man and a strong contender for the GM presidency or chairmanship in the 1990's.

Reuss (pronounced Royce) claims not to be thinking about such prospects. He says his focus is on the immediate challenge-keeping Buick among the front-runners in the auto industry.

Doing that involves a word he uses frequently-innovation. That means the possibility of products such as an electric car, a turbo-charged 3-cylinder engine and maybe even a sports car- a "Buick Corvette," as Reuss terms it.

As to whether the work force will shrink in the coming decade, "There will be different jobs in some areas," Reuss said. "Whether we will end up with a work force that's less than today's, it's too early to judge yet. It certainly is not a foregone conclusion in my mind."

Reuss handles thorny questions with the cautious and qualified replies of a seasoned GM executive. He is comfortable with the mantle of division head and being a vice president in the world's largest manufacturing corporation, even though he has only had the job since December.

Was there any questions about stepping into such a lofty position? "No, not really," he said. "One nice thing about GM is that GM management is essentially comprised of people who had to come up through the organization and earn their stripes. Demanding, but very human."

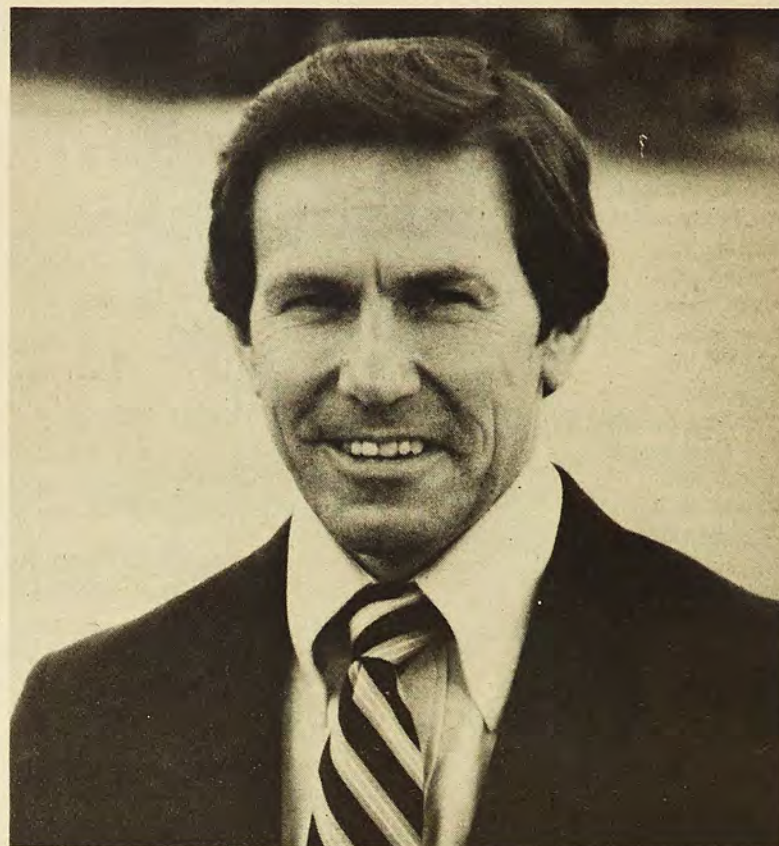
Demanding, but very human, also is a summation of how many who know Reuss would characterize him. He also demands a lot of himself.

"He always had a plan for consuming the world. Whatever came up, he would tackle it with his all," said one associate who had known him for years. "If you were to try to find any criticism of him it might be that sometimes his reach exceeded his grasp, but seldom. And he was always stretching to reach."

Reuss offered his own perspective on his current titles: "It's not really what the title is that's important. It's what you are really doing. We all know people that may have an impressive title, but I think our peers judge us by what we are and what we are doing."

But there was one title he wanted, to be a chief engineer of a GM car division. He more than achieved that goal by holding that post at Buick and Chevrolet.

Getting to his first chief engineer's job, at Buick, involved starting in engineering training programs at the GM proving grounds at Milford. His work there, in



Lloyd Reuss said Buick has made much progress in the last six years through such efforts as quality of work-life programs. "We have developed a much more cohesive team. That doesn't mean we are as good as we want to get yet, but we have made some real strides."

1959 when he joined GM as an experimental engineer on the GM Engineering Staff, focused on basic research such as noise vibration analysis.

It was too long-range and non-specific for Reuss. "I wasn't really geared to it. I was looking for a type of job with much quicker feedback," he said.

He joined the Chevrolet engineering staff in 1960 and started working on transmission development and power trains at the proving grounds.

Robert D. Lund, Chevrolet's general manager, describes Reuss as "enthusiastic, aggressive and talented. He is quick to see a problem or an opportunity and respond to it intelligently."

Reuss says that all young engineers try to get on new product programs because of the opportunities therein to demonstrate capabilities.

That was especially true in the early 1960's, he said, because there was a new product only about once every six years and new engines and transmissions were even less frequent.

Then in 1965, he became a project engineer on automatic transmissions at the Chevrolet Engineering Center in Warren. A year later he was named an assistant staff engineer on axles and transmissions and in 1968 became a staff engineer in administration.

The big step came when he was named chief engineer for the new 1970 Camaro and Chevrolet Nova. "That was one of the major opportunities of my career," he said. "Up to that point I had been heavily involved in power trains. As we got into the Camaro, that was the first full product responsibility."

In addition to development of the vehicles, the project took him into such related areas as service, sales and marketing.

On the Camaro, "I think we worked hardest trying to determine what type of personality that car had to have, what type of market we were trying to hit, what we were going to have to set as overall objectives... We had to work hard on designing a car that was attractive to young females, for instance. It represented an opportunity at that time to gain a lot of initial car buyers... We aimed the Camaro to go after a lot of the young market."

David C. Collier, Buick general manager when Reuss was chief engineer there, says he thinks Reuss is the best in the corporation in product planning-"knowing what the customer will like and producing it." Collier is vice president and group executive in charge of operating staffs group for GM.

"I have only the highest opinion of Lloyd," Collier said. "He's a super administrator and one of the best engineers I have seen. Maybe I shouldn't say this but he has the best qualities of Cole, De Lorean and Estes all in one." (The late Edward Cole and Elliott M. Estes were GM presidents.)

Collier said he always found Reuss easy to work with and a strong advocate of team effort.

"I'm glad he's got the job he has," he said. "At this time, for that job, he's the

best in the corporation. That's good for Buick and that's good for Flint."

As the highly successful 1970 Camaros were rolling off the assembly line, Reuss was named chief engineer for the Vega. That was about three months before the Vega went into production. Others had guided the years of development that took the car from concept to gearing up for production.

Taking on production of a totally new car in a new state-of-the-art factory at Lordstown, Ohio, gave Reuss a heavy dose of experience in the manufacturing side of the industry. The car suffered a rash of technical and manufacturing problems. Reuss tackled them as an opportunity to do and to learn.

In 1973, Reuss was promoted to manager of product planning for Chevrolet. In that capacity he became part of a small strategic group that was to plot the direction Chevrolet would take in the small family car market. The result was the X-car.

"August 1974 was the first presentation that group made (to Chevy VIPs), showing a lot of the conceptual drawings of the X-car," Reuss said. "That was the point at which we really looked hard at a front-wheel-drive vehicle."

The engineering staff cut up some front-wheel-drive Volkswagon Rabbits and made new cars from them to examine some front-wheel-drive potential.

It was decided that front-wheel-drive was the way to go. Originally the X-car was to be only a Chevrolet, Reuss said. But then Pontiac entered the picture and later Buick and Oldsmobile got into it.

Reuss' work on the X-car was interrupted in 1975 when the call came to become chief engineer at Buick.

Working with Collier, the two helped shape a sportier, more youthful image for Buick by introducing such things as the turbocharged V-6 engine and special suspensions for better performance.

Clifford G. Studaker, an assistant chief engineer to Reuss at Buick, now retired, said Buick probably would not have developed the turbocharged engine if Reuss had not been there.

"It was his acceptance of it and then backing it," Studaker said. "He is a very solid engineer and has good perspective on seeing the whole picture. He's an excellent planner."

The fact that Buick's turbocharged V-6s are not selling like hotcakes does not bother Reuss. He believes it's because V-8 engines still are available as a less-expensive performance option.

"The philosophy (of turbocharging to get more power on demand out of smaller engines) is still good," he said. "I believe we will see higher (market) penetration of turbochargers as we move into those front-wheel-drive products where we will no longer have the option of using high displacement engines because the packaging will be so tight."

He pointed out that the new J-car GM will introduce this spring will use a 4-cylinder engine. "A 6-cylinder engine will not fit in that vehicle. So a turbo would be a viable alternative for performance and still provide fuel economy," he said.

Will Buick provide a turbocharged engine for its version of the J-car?

Reuss replied: "That's a leading question. Let's put it this way. The V-6 will not be the only turbo in Buick products of the future."

After three years of heading Buick's engineering, Reuss returned to Chevrolet in 1978 to head its engineering work as director of engineering. He also was closer to the X-car project. Chevrolet unveiled its X-car, the Citation, in April 1979 as a 1980 model.

The Citation was the No. 2 selling car in the nation in 1980. It is one of the cars in the Reuss household, as is a turbocharged Riviera which he drives to work.

Reuss enjoys driving and working on cars, as he has since he was a teen-ager. He knew the old "stovebolt 6" 6-cylinder Chevrolet engine better than most teen-agers today know how their roller skates work.

Well before he graduated from the University of Missouri at Rolla in 1957 with a degree in mechanical engineering, he knew what he wanted to do.

The family business sold Chevrolets, Fordson tractors and Philco appliances. It had a two-bay vehicle service repair garage. Being in a rural agricultural area, it serviced tractors, including field-servicing for those that failed in the middle of plowing. He also learned to repair other farm equipment.

But working on the Chevrolets was one of the most enjoyable challenges,



Lloyd and son Mark, 17, rent a heated garage where they tackle projects such as the restoration of a 1967 Camaro. (Photo by Journal Photographer John Dickson)

especially in competition with his brother when they worked on the "stovebolt" engines.

"My brother and I used to have contests to see how fast we could grind the valves, mostly on the 1940 and 1941 Chevys. In at 8 and out by noon, that was pretty good," Reuss said.

Reuss said he still enjoys tearing a car apart and rebuilding it. It is one of the enjoyable pastimes he has with his son Mark, 16. They rent a heated garage near Holly where they tackle projects such as the current restoration of a 1967 Camaro.

The car work is only one indication of his family oriented nature.

"We don't belong to any country club, but we (downhill) ski and have a pool at home that we use a lot in the summer," he said. "We always take a winter vacation, somewhere warm, and about three years ago Mark and I took up scuba diving. We do a lot of family-type activity that has always been geared around the kids."

The family includes his wife, Maurcine, daughter Charlene, and Mark. Mark is a junior at Cranbrook in Bloomfield Hills and Charlene, 21 is a business major at Miami University in Oxford, Ohio. She graduated from Kingswood, the girls' school at Cranbrook.

The family has long been involved in Cranbrook and "Y" activities.

Reuss has been an elder in the First Presbyterian Church of Birmingham for 15 years. He is a trustee of Lawrence Institute of Technology in Southfield.

To keep in shape, he tries to work out four times a week, often playing basketball with his son or running a couple of miles.

The daily routine at their home in Bloomfield Hills, where the family has lived for 15 years, starts at 6 a.m. His frequent attire is a dark suit with thin light stripes and a monogrammed dress shirt—all very crisp, an appearance he manages to maintain through the most wilting days.

"Breakfast is one of those meals we all try to have together," he said. And, whenever possible, he tries to be home by 7 p.m. so the family can be together for dinner which is served by 8 p.m.

But it's a short breakfast. He is on the road at 6:45 a.m., driving himself to his office here, to the GM headquarters building in Detroit, the GM Technical Center in Warren or to the GM Proving Grounds in Milford. He sees his Bloomfield Hills home as being a central location within easy striking distance of all the places he has to be.

The driving time is not idle. He takes a cassette recorder and does most of his dictation then.

It is typical of a man on the go who is comfortable with that life. "You know, if I just stayed in the office two-thirds of the time I would really be in trouble," he said—explaining that being on the go is part of the satisfaction he derives from his job.

One of the things keeping him on the road these days is visiting all of Buick's sales zones and familiarizing himself more with the sales aspect of the business.

Even so, he said he finds that his general-manager duties demand two or three days a week at the office, keeping things running and planning the future in areas from facilities and equipment to products and manpower.

Cars' size and weight used to be what was emphasized. Now it is styling and sophistication, he said.

So the division does much studying of markets and of what products will be needed to meet them. The focus is on the affluent who are under 45 years old—affluent means a household income of \$35,000, in constant dollars. "That group is going to double in the 1980's," Reuss said.

The next decade probably will see Buick offering some types of vehicles it has not in the past as well as retaining its strong sellers, he said. A car like the Riviera will still carry four people and luggage comfortably, but be smaller and very formal looking, he said.

Reuss said he also sees where some outside the corporation could help future activities, such as new Transportation Secretary Drew Lewis.

"I think he has to look hard at passive restraint areas and emissions regulations," Reuss said. For 1984, he explained, all cars will have to meet emissions requirements for operating at high altitudes, although only about 3 percent of cars operate under those conditions. Those cars now are especially prepared to do so.

Dealing with the federal government, the jobs, the community, the plant facilities and products and numerous other factors all go with the general manager's job.

Reuss "always had limitless energy and endless confidence, both in his own abilities and the organization he was working with," said Paul J. King, who has known Reuss for 20 years and succeeded him as engineering director at Chevrolet. "He is a sensitive and people-oriented man. He expects a lot from people, but there is mutual respect and you can have a difference of opinion with him without friction."



Provost Fort arranges the hood when Lloyd Reuss receives Doctor of Engineering (Honoris Causa) Degree.

Coupled with his managerial and engineering ability, that type of energy has helped propel Reuss to his current position.

And the next step? "I haven't really given it any thought. We're prepared to go if we have got another challenging job and it's good for the company and good for us," Reuss said, using his familial "we" as he often does.

"For right now, we are very pleased to get back to Buick."

An increased segment of the youth market might require something very sporty—such as the "Buick Corvette," he said.

Buick was considering a two-seater sports car a couple of years ago, but the plans for it, called an L-car, were shelved. "I don't know what the reason was that it went by the boards," Reuss said. "But we have dusted off some of the original work on the L-car."

(Reuss' predecessor, Donald McPherson, told a Journal reporter last year that he decided to kill the L-car project because he did not think the market for it would justify the tooling cost.)

Reuss said he drove a four-seater L-car prototype. "It was one of the best handling front-wheel-drive cars I have ever driven," he said.

Another possibility is that GM could tap Buick to build electric cars, which GM plans to have on the market by 1985.

Reuss said Buick is still in the running for the contract, but suggested a couple of possible outcomes: "One is that they could decide to go with it as a high-volume, less-expensive vehicle, so a division like Chevrolet might get it. Another: as a more luxurious (and lower volume) vehicle, maybe Buick or Cadillac."

Buick's future depends not only on what is built, but how.

Reuss said he sees quality, especially attention to cosmetic quality, and service as the biggest challenges of the 1980's. There are 15,000 parts in a modern car and they all have to come together correctly and keep working.

"It's all only as strong as its weakest link," Reuss said. "And the customer could care less what part of that chain is broken. Whatever breaks, he hasn't had his needs met."

He said he sees people and their commitment to their work as being the key. He said Buick has made much progress in the last six years through such efforts as quality of worklife programs. "We have developed a much more cohesive team. That doesn't mean we are as good as we want to get yet, but we have made some real strides."

Part of getting better will include some new approaches to work. "Some of the approaches we really haven't done before in this country," he said, declining to go into any more detail.

Despite Buick having a relatively high rating in a GM internal report on quality, recently revealed in *The Journal*, Reuss said more effort is needed.

"That (report) was for one point in time," he said. "But on the cosmetic quality of our products we have to do a better job than in the past because customer expectation is moving up. On long-term durability we are better than the competition."

GM Executive Speaks At UMR Commencement

December graduates of UMR were challenged to "find a better way" by Lloyd E. Reuss, General Motors Corp. vice president and general manager of GM's Buick Division.

"A better way of life," he said, "is a challenge behind all of our hopes and dreams."

Reuss said that never before has there been such a demand for so many technical breakthroughs.

"At home and abroad, our country's capabilities are being stretched nearly to the limits," he said. "Simultaneously, we are attempting to resolve such seemingly unresolvable problems as the Middle East, energy, productivity, unemployment and inflation."

Using the automotive industry as an example of what is in store, Reuss said there will be more new vehicles in the next several years than at any similar time in our history, and that they will be, in general, smaller, lighter, and more efficient.

He said that by 1985: the average GM car will weigh less than 3,000 pounds; the V-8 gasoline engine will all but disappear; more than 90 percent of the cars will be front-wheel drive; six out of 10 engines will be four-cylinder; one out of five, diesel; and GM's entire car fleet will average 31 miles per gallon.

In the area of energy, he predicted that, from 1985 to the end of the century, the gas turbine engine, electric battery power, and the methanol-fueled spark ig-

niton engines are the most likely new sources of power. "Beyond the year 2,000, hydrogen-fueled engines and the fuel cell both look like strong possibilities," he added.

Changes in the manufacture of these new vehicles will involve the increasing use of computers and robotics, two areas in which UMR provides leadership in education, Reuss said.

While looking at the problems confronting this country, it is important that we also look at what is good, he told the graduates.

"No other system has provided so much for so many as ours—whether it be in education, health, material well-being, culture or leisure time...We have produced scientific and industrial wonders that have vastly improved not only our own country, but the whole world," he said.

"The engineer is at the center of fundamental changes being made in our world. What we eat; where we get power; how we produce goods; and how we transmit information are only examples," he said.

Reuss charged the graduates to pay no attention to critics who contend that we are consumed by our technological appetites... "That's nonsense. A technological world doesn't stifle creativity; it seeks it. Your life will not be shaped by tools and machines, nor by the system or by the times; the quality of your life is what you make it," he said.

Reuss was awarded the doctor of engineering degree (Honoris Causa) by UMR during the Winter Commencement ceremonies.

Winter Commencement



Mark Allen Stucky, left, geological engineering, from Hutchinson, Kan., and Neal Borden Nagel, mining engineering, from Mudelein, Ill., were student marshals at commencement for the School of Mines and Metallurgy. Marshals are selected on the basis of scholarship, leadership and activities.



Michael David Marra, left, mechanical engineering, Independence, and Deborah Diane Brown, electrical engineering, Edwards, were student marshals for the School of Engineering. Student marshals lead the commencement procession for their school.



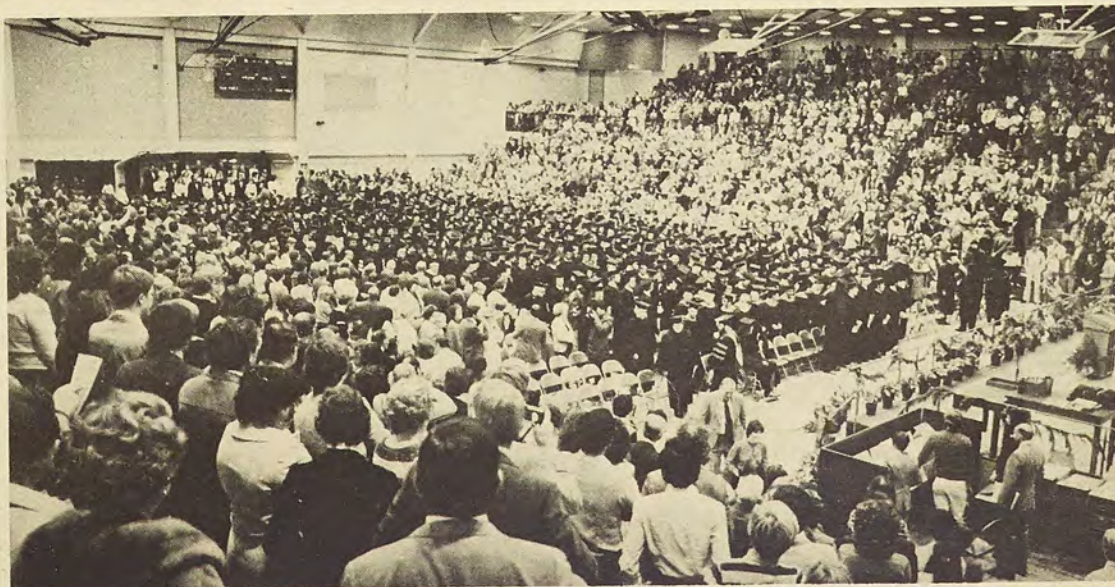
Cleota Faye Parker, English, Salem, and Randy Paul Neisler, chemistry, New Hartford, were student marshals for the College of Arts and Sciences. Student marshals are chosen for the honor by their deans.



Delbert E. Day, '58, professor of ceramics engineering, was recognized as the new UM Board of Curators Professor.



Robert D. Bay, '49, president of the MSM-UMR Alumni Association, welcomed the new graduates as members of the association.



Alumni Section News

Northwest Section

The summer picnic gathering, in August, of the Northwest Section was held at the home of Steve and Susan Wright, Fall City, Wash., about 30 miles west of Seattle and situated on the banks of the Snoqualmie River. Group

activities for the afternoon ranged from a tour of the 80-year-old Snoqualmie Powerhouse to floating the river on inner-tubes, eating and socializing in general. A little extra excitement was added when a cougar cub, who lives

next door, joined the party. A wing of the Wright's airplane provided a shady spot for relaxation. Those in attendance included: John and Elizabeth Adams, It-su and Nancy Arimura, Keith Cross, Vic and Rosie Hoffmann, Pete and

Marilyn Malsch with Jennifer and guest, Jerry and Isolina Millar (guests), Steve and Susan Wright and John, and Bob Yerbury. Plans are underway for the annual St. Pat's celebration in the Pacific Northwest.



SME-AIME Meeting in Denver

The Society of Mining Engineers section of the AIME held their annual meeting in Denver in November and the Miners had their party on Thursday, November 19. The combination of faculty, students and alumni attending the SME and local area alumni resulted in the largest crowd ever for this event. The level of conviviality attracted alumni from other schools who were scheduled in adjoining rooms and, although their names do not appear on the guest list, they did drop in where the action was. On the list were:

John L. Soma, '58, Golden; Ken Ko, '70, Denver; R. A. Baur, '61, Denver; J. W. Zoller, '42, Littleton; Roger Clifford (former UMR Assoc. Prof.), Richmond, Calif.; Greg Lang, '79, Rock Springs, Tex.; Mark Landress, Houston, Tex.; Skip Deaderile, '80, Houston, Tex.; Ronny Sadri, '78, Redwood City, Calif.; Brett J. Mild, '80, Lakewood;

Roger Dewey, '69, Aurora; Leonard Wolff, '78, Broken Arrow, Okla.; T. J. Vogenthaler, '48, Denver; Lawrence L. Sluzalis, '59, Lakewood; Joe Brinkmann, '81, Rolla; Gary Perrey, '78, Lancaster, Calif.; Dave Sperling, '78, Leadville; Steve (Swat) Svater, '79, Frisco; Andrew (Drew) Lain, '80, Frisco; Thor Gjelsteen, '53, Littleton; Norm Smith, Rolla; Dave Summers, Rolla; Stewart Gillies, Rolla; Troy Harris, Rolla; Richard Thomson, '70, Littleton; Joseph H. Geers, '52, Littleton; R. Norman Holme, '50, Tucson, Ariz.; Kevin L. Purdy, '74, Tucson, Ariz.; Ken Schulenburg, '74, Mercury, N.Y.; John R. Post, '39, Littleton; Eric H. Seagren, '81, St. Louis, Mo.; Greg Wessel, '74, Wheatridge; George A. Webber, '71 & '75, Redlands, Calif.; Mike Vallez, '56, Paintsville, Ky.; Larry Weber, '80, Littleton; Jayne Dixon, '80, Littleton; Dave Raby, '70 & '73, Conifer; Art

Masbrach, '50, Denver; Bill Feldmiller, '54, Lakewood; Les Hamilton, '77, Leawood, Ks.; James and Edna Scott, '50, Rolla; Linda (Jacobs) and Dave Madonna, '80, Denver; M. Dean Miller, '80, Belleville, Ill.; Fred Myers, '79, Little Rock, Ark.; John O. Smart, '65, Littleton; Terry Donze, '71, Dillon; Terry Panhorst, '79, Houston, Tex.; H. N. Kalia, '70, Golden; Rick McMillan, Pittsburgh, Pa.; Nancy and Frank Mackaman, Rolla; Stephen Bridgman, '81, Palmyra, Mo.; John D. Anderson, '81, Rolla; Daniel L. Vaughn, '81, Houston, Tex.; Art Schweizer, '70, Salem, Mo.; Jim Honefenger, '72, Aurora; Jim Arnold, '80, Salem, Mo.; David Haake, '80, Aurora; Curt Serviss, '79, Littleton; Robert B. Ellis, '75, Englewood; Bill Zogg, '71, Golden; Fred J. Smith, '65, Lakewood; Roger D. Hicks, '65, Castle Rock; Dennis J. Smith, '81, Rolla; Gordon B. French,

'53, Golden; John Arseneau, '73, Battle Mountain, Nev.; Keith Wick, '51, Golden; Richard Ash, St. James, Mo.; Bill Shepard, '51, Lakewood; Margaret Zoller, Littleton; Daniel Harris, '81, Denver; Gill Montgomery, '35, Eldorado, Ill.; Mike Korb, '68, Tamaqua, Pa.; Randy and Cherie Kerns, '74, Boulder; George L. Chedsey and son, '40, Houston, Tex.; Bob Piekarz, '61, Reno, Nev.



Allen Joins Alumni Staff

Frank Mackaman, executive vice president of the MSM-UMR Alumni Association, announces the appointment of Larry Allen as assistant director of alumni activities at the University of Missouri-Rolla. Mackaman is also director of the UMR Alumni/Development Office.

Allen will assist Mackaman in all aspects of his work with UMR's alumni. Specific responsibilities will include budgeting, the development of revenue sources and continuing programs to enhance contact between UMR and its many graduates.

Allen, 35, originally from Springfield, was associated with the Rolla Daily News prior to this appointment. He holds a master's degree in journalism from the University of Missouri-Columbia, a master's degree in human relations from Webster College, and a bachelor's degree in public administration and economics from Southwest Missouri State University.

He served for a number of years in the U.S. Army and is a graduate of the Army's Command and General Staff College at Ft. Leavenworth, Kan. He is a major in the Army Reserve.

Allen, his wife, Jane, and their 11-year-old daughter, Heather, reside in Rolla.

MINER SPORTS

Gene Green, Editor



Miner leading scorer Rickie Cannon flies high over an opponent for two points earlier this season. Cannon has given the Miners another offensive weapon to add to a well-balanced attack.

Miners For Real In MIAA Chase

One thing is certain around the Missouri Intercollegiate Athletic Association. The University of Missouri-Rolla men's basketball team is for real.

Picked to finish dead-last in a pre-season MIAA poll, the Miners are currently 10-6 overall and 3-1 in conference play. To say the least, they have added an unexpected ingredient in the conference title formula.

"The kids have really been doing a fine job," said head coach Billy Key. "We have many new players and it took them a while to get used to playing together and in the system we wanted, but things have been going well since the holiday break."

UMR started out the conference slate with a thrilling 65-63 win at Lincoln University, followed by a 98-74 non-conference win over Harris-Stowe and then whipped MIAA foes Northwest Missouri 76-70 and Northeast Missouri 87-73 in the friendly confines of the Gale Bullman Multi-Purpose Building. The Miners finally lost a conference clash, dropping an 80-68 game at Southeast Missouri State.

Leading the way for the Miners has been junior guard Rickie Cannon, UMR's leading scorer at 18.9 points per game. The talented shooter has paced a balanced Miner attack that has a .503 field goal percentage as a team and five players averaging in double figures.

Following Cannon in the scoring derby are Curtis Gibson (13.3), Joey McDowell (12.9), Leonardo Lucas (12.3) and Zol Singleton (11.5). McDowell paces the squad and conference in rebounds with 9.1 per game, while Lucas is the assists (73) and steals (38) leader. His assists totals are tops in the league.

"You can't balance out the scoring much better than we have," Key said. "It seems to be someone different every

night that comes in to help us out."

That point was illustrated well in the win over Lincoln, as sophomore guard Todd Wentz was inserted into the contest late in the second half and responded with eight points, five rebounds and two steals.

"He made the difference...no question about it," Key recalled. "That is the type of play off the bench that we have to have to be successful in the conference."

UMR continues to battle through the 1981-82 season without the services of 6-9 junior center Rob Goodenow, lost for the season with a knee injury. Still the squad leads the MIAA in rebounding.

How can the Miners do that without a true center?

"We all jump real well," Key said of his squad. "We do not have that one real big kid, but we hustle on the boards and get the job done. So far, I have been very pleased."

Key feels one of the biggest barriers ahead is the infamous "Northern Swing."

"We play at Northwest Feb. 6 and then go to Northeast Feb. 8, and it is always hard to come away with wins up there," he said.

In 17 years at UMR, Key has only once watched his squad win the northern swing.

"We did it in 1979-80, but that is the only time I recall going through that trip and coming away with two victories," he said. "It will really be a challenge."

And it is a challenge the Miners are ready to meet as they feel they have a few more surprises left in their 1981-82 bag of tricks.

"We are fun to watch this year and are playing exciting basketball," Key said. "Hopefully we can continue to be a factor in the conference chase."

Lady Miners Climb Near .5 Mark

Wins have been hard to come by for the University of Missouri-Rolla women's basketball team, but the young squad has shown recent signs of turning things around.

Currently 5-9 on the season, the Miners put together three straight wins to open the second-half of the season. UMR's recent play has been characterized by a tenacious defense, forcing the opposition into many turnovers.

During a 70-65 victory over Southwest Baptist, Miner defenders forced the Bearcats into 32 turnovers.

"Defense is the key," said head Coach Cathie Schulte. "We have to continue to improve defensively if we are to win."

UMR's offense has been paced by sophomore guard Laurie Behm, the team's only double figure scorer at 10.5 points per game. Sophomore forward Gail Halsey and freshman forward Cecilia Gutierrez are next in line, each with nine points a game. Freshman center Stacey Stover is the team's leading rebounder at 7.1 caroms a game.

The Miners may be helped during the second half by the return of junior Carmen Baker, UMR's top scorer two seasons ago. Eligible since the first of the new year, Baker has fought to work her

way into the lineup and has responded with a 7.0 average after three games.

"Carmen could help us if she comes on strong," Schulte said. "She is a good shooter and I think she can really help us on defense if her play continues to improve."

The Miners were forced to take their show on the road after a long holiday break, as the first four games of 1982 were on enemy territory.

"That was a tough stretch," Schulte said. "We won two of the four games, but it still is nice to be back home for a few games."

The Miners, only 4-17 a year ago, are almost assured of bettering that record. Schulte, however, is looking for more than just a better mark.

"I would really like this group to finish around .500," she said. "I don't know if we can do it or not, but it is something we need to shoot for the rest of the season."

If the Miners can do that, things look good for next season.

"We have only one senior on the team (Becky Ommen), so there is quite a bit to build on," Schulte said. "I would like to see us continue to improve as the season progresses."



UMR's Cecilia Gutierrez puts a shot up in a crowd during action against Southwest Missouri. The Rolla High graduate has provided the Miners with some scoring and rebounding punch even though she is just a freshman.

Swimmers Shape Up For National Meet

If things go as University of Missouri-Rolla swimming coach Bob Pease plans, the Miners should be sending a good number of individuals to the NCAA Nationals March 18-20 in Clarion, Pennsylvania.

"I really like the way things are shaping up," Pease said. "We have a lot of

talent this year and the kids have been working hard."

Some of the swimmers leading the way for UMR are Paul Stricker (already made national cuts in the 400 IM and is close in the 200 IM), Chris Aria (excellent speed in the 100 backstroke where he has already made national cuts), Don Havey (increased strength in

the breaststroke and is close to national cuts), Mike Shive (leading the sprinters), Bill Becker (leader in the butterfly races) and Joe Pericich (leading distance man).

One of the biggest challenges will come when UMR travels to Northeast Louisiana for the Trans-Am Invitational (Feb. 25-27).

"Winning times in each event will no

doubt be under national cuts," Pease said. "We are hoping to do well in this tough invitational and put some more people in line for nationals."

The national tournament is always the goal of UMR swimmers, and Pease feels this year's group will hopefully represent the school in fine fashion.

Wrestlers Hope To Improve With Time

When the 1981-82 University of Missouri-Rolla wrestling season began, coach Joe Keeton was hopeful of good things from his very young team.

Injuries, however, have slowed down that prediction.

"This is the most promising group that I have ever had," Keeton said. "But we have not been able to put our best group on the floor this season because of so many injuries."

Keeton said the group has impressed him with a great deal of competition

within the squad, where some freshmen have actually beaten veterans for weight class starts.

UMR currently is 2-3 in dual meets and is slowly getting some of the key grapplers back onto the mats.

Among the disappointments this year was an early season knee injury to 142-pounder Matt Mabrey, a transfer student Keeton labels as "our best wrestler--the class of the team." Also out for periods of time have been 134

pounder Jim Siekmann, 126-pounder Greg Schoenberg and heavyweight Alan Lange. Lange, undefeated at semester, is lost to the team for the rest of the season due to scholastic problems.

"We are so young that you have to be impressed and feel better things are not too far from us," Keeton said. "The kids have worked very hard this season and we do have a great deal of depth for one of the first times in many years."

Keeton has six freshmen in the star-

ting lineup, as well as one sophomore and two juniors. The Miners will lose only one grappler to graduation this season.

What can the Miners shoot for during the rest of the season?

"I think by the time the conference tournament comes around, we will have most of our starters back," Keeton said. "Then we should be able to go in and do a good job."

The 1981-82 MIAA Tournament is set for Feb. 20.



Steeplejack Martin Gribbins of Campbellsville Industries adds the weathervane to the cupola that was installed on the Rolla Building last week. The cupola is an exact replica of the building's original cupola, which was removed around the end of World War II. Constructed of aluminum, the cupola itself is 18 feet high and the weathervane is five and one-half feet tall. The balustrade around the cupola measures 16 feet by 16 feet. The new cupola was built and installed by Campbellsville Industries of Campbellsville, Ky. The installation of the cupola is part of a restoration and renovation program for UMR's older buildings. Eventually a bell will be mounted inside the cupola.

Starting Salaries Continue To Rise

Starting salaries for engineering and science graduates of the University of Missouri-Rolla continue to rise, with mid-year graduates reporting salary offers that averaged more than those of last spring.

L. R. Nuss, director of career development and placement, said that petroleum engineers reported both the highest percentage of increase (12 percent) and the highest salary offers (\$2,550 per month average). Geology and geological engineering were second and third at \$2,362 and \$2,354, with geophysics at \$2,318. Other engineering fields averaged starting salaries above the \$2,000 per month mark.

Among science majors, computer scientists were most in demand, and received the highest starting salaries, averaging \$1,913 per month.

Nuss said that energy-related companies accounted for about 50 percent of the job offers. "This is the same pattern we have seen during the past few years, and one we can expect for some time to come," he said.

Nuss said that job prospects for spring graduates look good. "Companies are interested in recruiting our graduates, and interviewing is at an all-time high."

Beta Sigma Psi Awards

The UMR chapter of Beta Sigma Psi has won two out of five awards made annually by its national organization.

At the national meeting the Rolla chapter won the Aionios Award for "Outstanding Membership, Education and Recruitment," and the Edwards Award for "Outstanding Chapter Management." It is the third year in a row the UMR group has won both of these awards.

Beta Sigma Psi has 14 chapters in five states—Missouri, Illinois, Kansas, Minnesota and Nebraska.

Seniors Win National Awards

Mark Dunlay and Douglas Marquart, seniors in metallurgical engineering at the University of Missouri-Rolla, were among nine students in the nation to receive special scholarships from the national Foundry Educational Foundation (FEF). The \$1,000 cash awards are made to outstanding college seniors interested in the metals casting industry.

Dunlay, Route 1, Seneca, received the Nelson Hartley Award, and Marquart, 11 Westmoreland, Union, received the Les Wohlke Award. Both awards were named for outstanding leaders in the metals casting industry, and were presented at an FEF sponsored college-industry conference held Nov. 12-13 in Chicago.

Meeting Data

EVENT/SITE	DATE
MSM-UMR BOARD MEETING	April 17
Rolla	
REUNION FOR CLASS OF 1932	May 15
Rolla	
COMMENCEMENT	May 16
Rolla	
HOMECOMING 1982	October 1-2
Rolla	
ROCKY MOUNTAIN LUNCH	First Tuesday
Denver Petroleum Club	



John J. Kelley, dean, faculty of engineering and architecture, University College Dublin, (right) announces faculty recipients of Smurfit-Alton Packaging fellowships at UCD and UMR. Shown with him, from left, are UMR Chancellor Joseph M. Marchello; James B. Malloy, senior vice president and chief operating officer, Alton Packaging Corp.; UCD President Thomas Murphy; and Michael Smurfit, president and chief executive officer, Jefferson Smurfit Group and Alton Packaging Corp.

Fellowship Awards Announced

Two professors from UMR and one from University College Dublin (UCD) have been selected to receive Smurfit-Alton Packaging Fellowships and to participate in an exchange between the two universities next spring.

They are Henry Sineath, chairman, department of engineering management, and Gary Patterson, department of chemical engineering, UMR; and Seamus Timoney, department of mechanical engineering, UCD. The names of recipients were announced at a recent meeting in Dublin.

The three are the first faculty members chosen for the fellowship program which was established recently by the Alton Packaging Corp., Alton, Ill., a member of the Jefferson Smurfit Group Ltd., Dublin.

The program provides for an exchange of at least two students and one faculty member each year. Student fellowships are for one year. Faculty fellowships, in the form of visiting professorships, are for a period of up to one month.

At the time the fellowship program was announced, Michael Smurfit, presi-

dent and chief executive officer, Jefferson Smurfit Group and Alton Packaging Corp., said that the fellowships were established at the two universities because of their technological reputations. "This exchange will enhance the academic offerings and cultural experiences available on both campuses," he said.

Three graduate students from UCD, the first to receive student fellowships under the program, are presently studying at UMR. They are William O'Neill, mechanical engineering; Pdraig Walsh; and Damian Green, chemical engineering.

As visiting professors, the faculty fellows will give classes to undergraduate and graduate engineering students, assist in the research projects of the department, and participate in a continuing engineering education course related to their specialties.

Fellowship recipients were chosen by the Fellowship Program Board (representatives of the two universities and Alton Packaging Corp.) from a list of nominees selected by a committee at each institution.

Tau Kappa Epsilon Wins Three Awards

The UMR chapter of Tau Kappa Epsilon announces the receipt of three out of five of its national fraternity's top awards which were presented at the biennial meeting in August at Roanoke, Va.

The Rolla chapter was in competition with 307 Tau Kappa Epsilon chapters at colleges and universities throughout the country.

The Rolla chapter received the Top TKE Chapter Award for efficient operation as a chapter. Only 11 other chapters were recognized in this category. Criteria for the award include excellence in administration (projects handled through a committee system), campus activities (participation in multiple campus activities and functions and 17 public service projects) and scholarship (ranked high in all men's grade point averages).

The chapter also received the Grand Council Award for public relations achievement and the Scholarship Emphasis Award.

Robert Telker, TKE member and senior in engineering management at UMR, was one of 10 individuals to receive "Top TKE of the Year" awards. Telker served as vice president of the Interfraternity Council; was named Zeus during Greek Week; served as vice president of the UMR chapter of the American Society of Engineering Management; and was a member of Theta Tau Omega, Alpha Phi Omega and Intercollegiate Knights. He is the son of Mr. and Mrs. Paul Telker, 6 Barrett Woods, Manchester.

The UMR chapter also received an award for Outstanding Alumni Support.

Spring Registration Hits 6,217

The unofficial spring semester enrollment at UMR reached a record 6,217 at the close of regular registration Jan. 12.

This is a gain of 592 students over last year's official spring enrollment.

UMR Registrar Paul Ponder said that this is an unofficial and preliminary count since late registration continued.

The record spring enrollment follows a record fall enrollment of 6,904. Ponder explained that spring enrollments are always lower than those in the fall because there are large December graduating classes and relatively few entering students in January compared to August.

Not included in the 6,217 are students at the UMR Engineering Center in St. Louis, those enrolled in out-state credit courses and students in the cooperative program who are now in their work semester.

Time to Think GREEN!

Here's an opportunity to 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 those memories by purchasing your 1982 St. Pat's Green.

If you're staying at home this year, wear your 1982 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 1982 sweatshirt at the parade.

This year, the St. Pat's Board will be selling the usual sweatshirts, buttons and garters. In addition, there are baseball caps, stocking caps, visors, pilsner and shot glasses, huggers (insulation for beverage cans) and bumper stickers.

Any questions or orders can be sent to the Alumni Sales Chairman at the following address:

St. Pat's Board
University Center
University of Missouri-Rolla
Rolla, MO 65401
Attn: Alumni Sales

So remember, whether you will be making the long trip back to Rolla or staying at home this St. Pat's, you won't want to miss the GREEN for 1982.

Sweatshirts	\$7.50
Baseball caps	3.50
Stocking caps	3.50
Visors	3.25
Huggers	3.00
Pilsner glasses	2.75
Shot glasses	1.50
Garters75
Buttons50
Bumper Stickers25

Orders \$10 and under, please include \$2.25 for postage. Orders more than \$10 please include \$3 for postage.



Extension News

Here's a list of some of the extension continuing education short courses and conferences scheduled by UMR. Where titles are not self explanatory you may call for more detailed information including costs. Call the office of the Dean of Continuing Education and Public Service, 314-341-4156. Written requests should be addressed to the same office, 210 Parker Hall, University of Missouri-Rolla, Rolla, Mo. 65401.

PROGRAM	DATES	LOCATION
School of Mines and Metallurgy		
11th Applied Ore Microscopy	March 1-5	Rolla
Electrometallurgy	March 17-19	Rolla
Environmental & Geotechnical Considerations in Subsidence Engineering	March 29-April 1	St. Louis
Metallurgical Failure Analysis for the Legal Profession	May 17-19	Rolla
Geotechnical Analysis for Rock Engineering	May 17-20	St. Louis
School of Engineering		
Supervisory Skills Seminar-Technical	March 15-19	Quad-Cities Area Iowa-Illinois
American Society for Engineering Education	March 24-26	Rolla
Supervisory Skills Seminar-Technical	April 19-23	Quad Cities Area Iowa-Illinois
Public Transportation Managers Workshop	May 24-26	Rolla
Supervisory Skills Seminar-Technical	May 24-29	Quad Cities Area Iowa-Illinois
College of Arts & Sciences		
Micro-Mini Computers/Personal Computers & the Development of Educational Programs	March 11-12	Jefferson City
Computer-Aided Graphics Systems	March 11-12	St. Louis
44th Introduction to Coatings Composition	March 22-26	Rolla
Robotics: Fundamentals & Technology of Computerized Robots	March 29-30	St. Louis
Conference: Computer Graphics	April 1-2	Rolla
5th Short Course on Advanced Formulation-Industrial	April 12-16	Rolla
Computer-Aided Graphics Systems	April 22-23	Phoenix, Ariz.
Estimating for Painting Contractors and Maintenance Engineers	May 18-20	San Mateo, Calif.

Times and dates of courses may change nearer to the time of the course.

Faculty Activities



Ardayfio To Make Visit A Long One

Dr. David Ardayfio liked what he found at UMR so much he decided to extend his "visit" just a bit.

Ardayfio came here earlier this year as a visiting assistant professor of mechanical engineering. The "visiting" designation recently was dropped from his title, however, and he is now a full-fledged member of the UMR faculty.

"I'll probably stay at UMR for another 40 years," he said. "The situation here is ideal. UMR and I are a perfect match."

"I enjoy the students, the facilities are tremendous and there's a great opportunity for me to make a contribution," he continued. "UMR also is a place where one can grow and develop professionally."

In addition to teaching classes in kinematics this semester, Ardayfio is working on several projects in CAD/CAM (computer-aided design and computer-aided manufacturing) and robotics.

"Industry is making increasing use of CAD/CAM and robots to help improve efficiency and increase production," he said. "The educational institutions that incorporate this technology into their engineering curricula will be on the leading edge of quality engineering education."

UMR is making this new technology

a part of its engineering curricula, and Ardayfio is assisting Dr. Richard T. Johnson, UMR professor of mechanical engineering, with a robotics research project ("Development of Computer-Based Data Acquisition and Control") that has been funded through the University of Missouri's Weldon Spring Endowment Research Fund.

"We want to see how we can best fit our robot (a PUMA 600 industrial robot) into the mechanical engineering curriculum," he said. "We're in the process of developing and testing programs for robotic motion that will meet our needs for instructional use."

"Ultimately, this work will benefit industry and the country as a whole, as well as our students," he added.

Ardayfio also is working on a project using CAD to develop the optimum design for planner (movement in one plane or dimension) and spatial (movement in three dimensions or planes) mechanisms.

"I've been able to use UMR's new computer graphics system in designing these devices and running performance simulations on them," he said. "It's been a great help."

When he's not teaching or working on one of his projects, Ardayfio can be found enjoying the outdoors with his wife, Adina, and their four sons.

Exchange Professor From Delco

Hilton A. Turner, service coordinator for Delco Electronics, Kokomo, Ind., is a visiting assistant professor of electrical engineering at UMR during the 1981-82 academic year.

Dr. Derald Morgan, chairman, UMR electrical engineering department, says that Turner's visit here is part of a professional exchange between Delco and UMR.

"Developing a professional exchange between the academic community and industry is vital to the maintenance and

continued development of the electrical engineering electronics program at UMR. It benefits both UMR and Delco," he says. "In addition to teaching classes, Turner is assisting in the UMR Women and Minorities Engineering Programs, and working with professional and minority student organizations. To further his professional development, he is attending classes and is participating in electronics research and in professional society activities." He is also providing a liaison between

Delco and UMR.

Turner received his bachelor of technology degree magna cum laude from Florida A & M University, Tallahassee, with a major in electronics. He served in the U.S. Army Signal Corps from 1972 to 1977, attaining the rank of captain. He has been with Delco since 1977.

Patents are pending on three of his inventions: electrical harness analyzer, pulse following circuit, and electronic momentary switch.

Lawrence Christensen UMR's MASUA Lecturer

Dr. Lawrence Christensen, associate professor of history, has been selected as UMR's honor lecturer for MASUA (Mid-America State Universities Association) for the 1982-83 academic year.

As an honor lecturer, Christensen will present lectures and seminars at other campuses in the association. MASUA includes universities in the states of Iowa, Missouri, Nebraska, Kansas and Oklahoma.

Christensen's seminar topics will be: "Post-Civil War Race Relations in St. Louis"; "J. Milton Turner: A Reappraisal"; and "Vignettes of Some Missouri Women."

Christensen joined the UMR faculty in 1969 and has been honored as an outstanding teacher. He is the author of a number of papers and co-author of a book, "Missouri: the Heart of the Nation," published by Forum Press, St.

Louis. He and a colleague are currently writing a history of UMR.

Christensen received his B.S. degree from Northeast Missouri State University and his M.A. and Ph.D. degrees from the University of Missouri-Columbia.

LLOYD C. CHRISTIANSON

Funeral services were held Jan. 25, for Lloyd C. Christianson, professor emeritus of engineering technology and former chairman of the department of engineering graphics at UMR.

Christianson retired in 1972 after 26 years on the UMR faculty.

A native of Savannah, Mo., Christianson held a B.A. degree from Westminster College, and M.A. and M.Ed. degrees from the University of Missouri-Columbia. He taught at Texas Technological College, Lubbock, and Texas Christian University, Fort Worth, before coming to UMR in 1946 as assistant professor of engineering drawing and descriptive geometry. He was professor and chairman of the engineering graphics department for a number of years, and was professor of engineering technology at the time of his retirement.

He is survived by his wife, Frances, Rolla, a son, William, Columbia, a daughter, Frances Long, Plano, Tex., and seven grandchildren.



UMR Chancellor Joseph M. Marchello (left) presents Dr. H. P. Leighly, UMR professor of metallurgical engineering, with a "Certificate of Recognition" from the National Aeronautics and Space Administration (NASA) and the American Society for Engineering Education (ASEE). The award honors Dr. Leighly's work as a fellow of the NASA/ASEE Summer Faculty Fellowship Program at the Marshall Space Flight Center in Huntsville, Ala. Leighly's research dealt with measuring the stacking fault energies in copper-nickel alloys.

In Memorium

James J. Murphy Sr., chairman of the board and chief executive officer of the Murphy Co., Mechanical Contractors and Engineers, died of heart disease on Jan. 12 in St. Louis.

Jim received his B.S. degree in civil engineering from MSM in 1935. While in school he played basketball and football, was a member of Theta Tau, the C.E. Society and the Rollamo Board. He was also a member of the Order of Cardinal Mercier, which later became Phi Kappa Theta fraternity and which honored him for many years of assistance as an alumnus.

An active member of the St. Louis section of the MSM-UMR Alumni Association, Jim served as president of the group, and—for many years—hosted the section's August meeting.

He became president of the national association in 1968 and served until 1971. He continued to serve the association as an ex-officio director until his death. He had been a member of the association's Century Club since its origin in 1967, and he was awarded the association's Certificate of Merit in 1956.

Frank Mackaman, executive vice president of the MSM-UMR Alumni Association, says, "To have known and worked with Jim was a very special experience. His unflinching interest, his sage counsel and his astute observations added tremendously to the strength of his alma mater and especially to the MSM-UMR Alumni Association. Jim always had time for me. Nancy and I will always remember his gracious hospitality which began on the first night we were in Missouri and was so often repeated in the years ahead. He and Emily exhibited a grace which inspired us to be better than we were. We were privileged and cherish our memories."

Jim was a member and past chairman of the UMR Development Council, the Order of the Golden Shillelagh, was a charter member of UMR's Academy of Civil Engineers, and was made an Honorary Knight of St. Patrick in 1968. He received the professional degree, civil engineer, from MSM in 1961, and was awarded the degree, Doctor of Engineering, (Honoris Causa) by UMR in 1978.

He was also a member of the Alliance

of Alumni Associations of the University of Missouri and the University of Missouri Consulate, advisers to the Board of Curators.

Following graduation from college, Jim worked for a construction firm in Chicago until 1938 when he returned to St. Louis to join his father's plumbing contracting firm. From 1943 to 1946 he served in the U.S. Navy.

After World War II, under Jim's guidance, the family company moved from plumbing work into new fields. These included power and industrial piping, water and sewage treatment, heating, air conditioning, ventilation and a variety of systems handling the movement of air or liquids under varying degrees of pressure and temperature. Innovative fabrication techniques developed for these systems have resulted in extraordinary growth in the firm's business. His company was involved in the construction of two of the buildings on the UMR campus, the Mathematics-Computer Science Building and the University Center East. The company is now ranked as the 48th largest mechanical contracting firm



JAMES J. MURPHY SR.

in the United States.

In addition to his activities with UMR, Jim was an active member of numerous civic and professional groups in St. Louis and on a state and national level.

He is survived by his wife, Emily, six children, including James J. Murphy Jr., who succeeds his father in the operation of the family business, three brothers (including **Charles J. Murphy, '34**), three sisters, and 10 grandchildren.

Alumni Personals

1903

Jack N. Conley, '31, sends us a clipping from Forbes magazine containing a quotation from **Fred Hauenstein, '03**, (age 102), "My daughter also wants to celebrate my 80th year as an alumnus of the Missouri School of Mines," Fred says. "But I think she over-estimates my vitality. I am afraid I will suffer the same fate as my wife. She lived to be 90, but her later years were marred by falls. So I am not too optimistic about the future." Fred lives in Kingsburg, Calif., and was in Rolla in 1978 to celebrate his 75th.

1912

Notice of the death of **Miller E. Willmott** was sent to us by **Riley M. Simrall, '14**, 429 College Ave., Canon City, CO 81212. Miller was a native of Kansas City area but lived in California, Idaho, Nevada and Iron Mountain, Mich., from 1929 until he returned to Lee's Summit in 1970. He had been superintendent of mines and forest for the Ford Motor Co. in Iron Mountain before his retirement in 1955. Riley tells us that Miller was a member of the MSM chapter of Kappa Sigma

1920

Notice has been received of the death of **Karl William Heimburger** on Dec. 10, 1981.

1922

Glen J. and Eunice Christner write that they are enjoying a lot of golf and traveling, and are very active in local clubs. Glen is retired and they live at 555 Esplanade, Venice, FL 33595.

1928

Ted Herman writes: "We are enjoying good health, good whiskey, and good friends; not necessarily in that order. We love to play contract bridge. I still play golf twice a week and hope to shoot my age (77) in a couple of years. We are proud of two granddaughters at UCLA and UCSD. Congratulations to the management at UMR—7,000 enrollment is only 1,000 less than the 8,000 at Notre Dame. Keep up the good work." Ted and Audrey live at 649 W. El Morado Court, Ontario, CA 91762.

1929

Charles H. Dresbach writes: "Passed the 76 milestone. Still fondly recall days at old MSM." Charles and Mary live at 5 Puckett Road, Rogers, AR 72756. Charles is a petroleum consultant.

Mrs. James Letts, wife of the late **James Letts, '29**, sent in a contribution to the association in memory of her husband. She lives at 3232 16th Ave., Rock Island, IL 61201.

1931

Jack N. and Margaret B. Conley have moved to 5208 S. 67th E. Place, Tulsa, OK 74145. Jack is self employed.

According to a note from his son or daughter, **Willis George Fish** died Aug. 21, 1981.

Albert Harrison retired from the U.S. Army Corps of Engineers in 1977 (after 41 years of service), and is currently president and owner of Albert Harrison Consultant Inc. Albert lives at 224 S. Madison Ave., P.O. Box 4301B, Middletown, KY 40243.



1981 Rollamo

Alumni Personals



1981 Rollamo

1933

A note from the Post Office notifies us of the death of **Robert J. Groom**.

William W. Kay writes that he is the incoming chairman of the Anthracite Section of A.I.M.E. Bill and Alice's address is The Highlands, Box 78, Drums, PA 18222. Bill is a professional engineer and mining consultant.

The alumni office has received notice of the death, in 1980, of **Charles Calvert Rodd**.

1934

Cornelius Wolfram Kruse, professor emeritus of environmental health sciences at the Johns Hopkins School of Hygiene and Public Health died suddenly Jan. 17. He began his professional career in 1935 by organizing the malaria control program for the Tennessee Valley Authority (TVA). He received his M.S. degree from Harvard University in 1940 and his Dr. P.H. from the University of Pittsburgh Graduate School of Public Health in 1961. He joined the faculty of the School of Hygiene and Public Health at John Hopkins in 1945. He developed academic programs in water and wastewater, air pollution control, industrial hygiene and safety, was an active researcher, won teaching awards and served as a consultant for many state and federal agencies and foreign governments. He served as chairman of the department of environmental health at John Hopkins from 1961 to 1977. He is survived by his wife, Adele, and four daughters.

Richard (Dick) Dobson sends the following: "With two former officers of the old Austral Oil Co., we reformed a new company with same name and we are engaged in a drilling program, primarily for deep gas in south Louisiana. We have had moderate success-three discoveries out of five in the first year." Dick and Mary Eileen live at 11680 Memorial Drive, Houston TX 77024.

1935

Donnell W. Dutton writes that he is still enjoying retirement and will see us in '85 if not before. Don and Ruth live at 41 Burdett Road, N.W., Atlanta, GA 30327.

James J. Murphy died on Jan. 12, 1982, in St. Louis. (See story on page 31).

1937

Walter F. Breuer sends us this note: "Hazel and I are still enjoying the climate of Channel Islands Harbor. Been retired from Corps of Engineers seven years." Walter and Hazel's address is 2901 Peninsula Road-344, Oxnard, CA 93030. Before retiring Walter was the chief of the technical engineering branch of the M.R.D., Omaha Corps of Engineers.

W. W. Culbertson retired from Westinghouse on September 1. He lives at 260 Shadowlawn Ave., Pittsburgh, PA 15216.

John and Martha Dewey now live at 3001 Lydia, Apt. 112, Topeka, KS 66614. John has been retired since July 1, 1981.

Frank S. Millard writes to let us know that he recently returned from a trip to India where he lectured for the Oil & Gas Commission in Dehra Dun and later at the Central Water and Power Research Station at Poona for the United Nations Development Program. He writes that he also visited the Taj Mahal, Ganges River, Delhi and Bombay. He is now president of Petrophysical Services Inc. He and Kay live at 10211 Holly Springs, Houston, TX 77042.

1941

D. H. Falkingham regrets that he could not make it to the class reunion at homecoming. His wife went into the hospital on October 1 for by-pass surgery, but is doing fine now. D. H. and Mary live at 7135 S. Evanston, Tulsa, OK 74136.

1942

James Henry Fox, Annapolis, Md., died Dec. 12, 1981, in Boca Raton, Fla., after a heart attack suffered while sailing down the intercoastal waterway. He served in the U.S. Army from 1942 to 1947 then entered the Air Force. He had served as deputy commander and chief of operations for Air Force satellite control and held engineering responsibility for world-wide tracking, command and control system as chief of the Space Systems Directorate, foreign technology division, and was chief of terrestrial sciences for the Air Research and Development Command. He retired from the Air Force in 1968 and, at the time of his death, was president of Trident Engineering Associates, Annapolis, Md. He is survived by his wife, Sarah, and two daughters.

Ed Rassinier, '42, '76, is now director of resource planning for Trunkline Gas Company's Beveridge Fund. Ed and Bernice live at 3526 Dumbarton, Houston, TX 77025. On February 1, Ed will become a "self-employed Texas Professional Engineer."

1938

Ernest Spokes, professor of mining, reports the death, from cancer, of **Carol A. (Kelly) Quam** on Sept. 3, 1981. Prof. Spokes received the notification from his wife, Mrs. Quam.



1981 Rollamo

1940

Armin F. Tucker writes that he plans to be in Rolla for the MSM/UMR Alumni Association directors' meeting in April. He lives at 6464 Overlook Drive, Alexandria, VA 22312.

Gilbert R. Shockley has been reelected to the board of directors of the American National Standards Institute. Gilbert is general manager of the operations services department of the Mill Products Division, Reynolds Metals Co. He lives at No. 207 Nottingham Road, Richmond, VA 23221.



1981 Rollamo

Alumni Personals

1943

R. Kent Comann reports: "Enjoying my second career very much as head of my own executive search firm. We work exclusively in the mining and mineral industry and business is excellent." Kent and Marilyn live at 2990 South Parker Court, Aurora, CO 80014. Kent is the president of Comann Associates Inc., 3033 S. Parker Rd., No. 200, Aurora, CO 80014.

The death of **Frederick Meredith Kiburz**, on Feb. 22, 1981, has been reported by Sue Henning. Kiburz, McAllen, Texas, is survived by his three children.

Floyd A. Ellison reports that he is a self employed petroleum geologist. Floyd and Libby have four children: George, in the Navy; Suzanne, M.D. in residency at Tallahassee, Fla.; Catherine, in college; and Patricia, also in college. The Ellison's live at 6202 Lost Creek, Corpus Christi, TX 78413.

William J. Foley is now an attorney with Cahill, Sutton & Thomas in Phoenix, Ariz. Bill and Joan have moved to 4810 N. 76th Place, Scottsdale, AZ 85251.

Harvey B. Leaver has been promoted to corporate vice president and president, Manufactured Buildings Inc., a wholly owned subsidiary of Bank Building Corp., in St. Louis. Harvey and Olive Mae live at 14640 Los Padres Court, Chesterfield, MO 63017.

Harold W. Martin writes that he has been transferred from U.S. Army Reserve to retired reserve after 35 years active and reserve duty. He also writes he received his second Meritorious Service Medal upon retirement. He was retired as a Colonel. His last assignment was with the 416th Engr. Cmd., FETDA. Harold and Betty live at 4322 Lambeth Dr., Raleigh, NC 27609. Harold is now manager of the electrical department of Martin Marrietta.

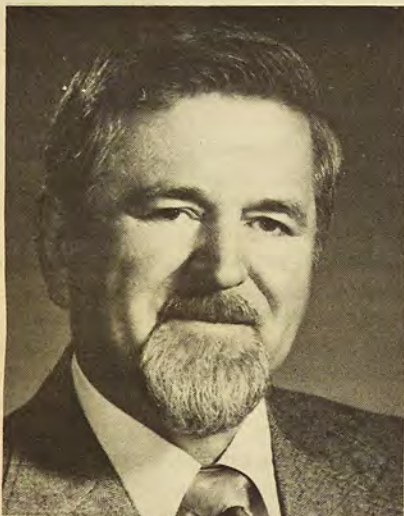
Ralph McKelvy retired from Timken in 1980. Ralph is now associate dean of engineering, administration and development, with the College of Engineering at West Virginia University in Morgantown. Ralph and Margie live at 920 S. Chapel, Louisville, OH 44641.

1949

Paul K. Edwards sends this note: "Youngest son, John, is now attending MSM/UMR as a junior in electrical engineering." Paul is general manager - engineering services, with Unlmin Corp., in New Canaan, Conn. Paul and Dorothy live at 86 Stony Hill Road, Ridgefield, CT 06877.

W. R. (Bob) Hughes says; "I am celebrating 10 years in business as a manufacturer's rep., marketing analytical and process control equipment. Our three children are all in school; Matt in local Jr. College, Roberta at Kansas State University and Peter in the 4th grade." Bob is president of Mid-Continent Scientific. Bob and Paula live at 7433 Springfield, Prairie Village, KS 66208.

1944



PETER MUSHOVIC

Peter Mushovic sends us the following note: "Have been in France for two years. Recently promoted to president directeur general for General Motors France. GM France is a component division building brakes, starter motors, distributors, coils, spark plugs, fuel pumps, clutch accessories, automatic transmissions, carburetor batteries, heater cores, etc. Also responsible for marketing GM products in France. Plants in four locations in France." Peter and Norma Jean live at 47 Ave. De L'Abreuvoir, 78170 La Celle St. Cloud, France.

1948

The alumni office has received notice of the death of **Frank A. Beyer** on Dec. 26, 1981.

Fred H. Canning Jr., is now president of Canning Metals Co. Inc. Fred and Gertrude have moved to 215 Post Office, Apt. 1201, Galveston, TX 77550.



1981 Rollamo

William F. Hubbard writes: "I am really slow. I was married in Nov. 1980 to Dr. Amelia V. Cabreva of Quezon City, Manila Philippines. Came to Saudi Arabia in August as facilities engineer at the Regional Agricultural and Water Research Center. I am responsible for maintenance and new facilities planning. I am employed by Department of Agriculture as part of an assistance program to the Saudi Ministry of Agriculture and Water." Bill and Amelia's address is USREP/JECOR, P.O. Box 185, APO New York 09038. They live in Riyadh, Saudi Arabia.

Robert L. Root tells us: "Retired from J. M. Huber Corporation May 1, 1981. Now residing in Los Cruces, NM. Available for consulting specializing in industrial minerals deposits, geology and evaluation." Bob and Mable's address is P.O. Box 16156, Los Cruces, NM 88004.

1950

Basil E. Buterbaugh says: "Accepted early retirement from Burlington Northern Railroad and intend to do railroad consulting and appraisal work. Will continue to live in Springfield, Mo. and be active in M.S.P.E., particularly Ozark chapter shrimpfeed and scholarship activities. Also YMCA fitness program to keep early starting habit." Basil and Jonina live at 1578 St. Charles, Springfield, MO 65804.

Lloyd E. Byrd Jr., is now employed by the Martin-Marietta Corp., as a staff engineer. Lloyd and Dorothy have moved to 2029 Pickett Ave., Orlando, FL 32808.

William W. Collins is now vice president & senior petroleum engineer (the last is a new addition to his title), with Citibank in New York, N.Y. Bill and Frances live at 6 Laureldale Ave., Metuchen, NJ 08840.

Notice has been received of the death of **Donald T. King**, 2059 Menold Drive, Allison Park, PA 15101. Don retired from U.S. Steel in 1974 as director of coal preparation distribution, then retired from McMan-Stuart's Beaver Construction Co. as vice president in 1977. He suffered a stroke in 1977, recovered, but became ill again in December 1980. He died Nov. 28, 1981. He was awarded the professional degree, engineer of mines, by UMR in 1978.

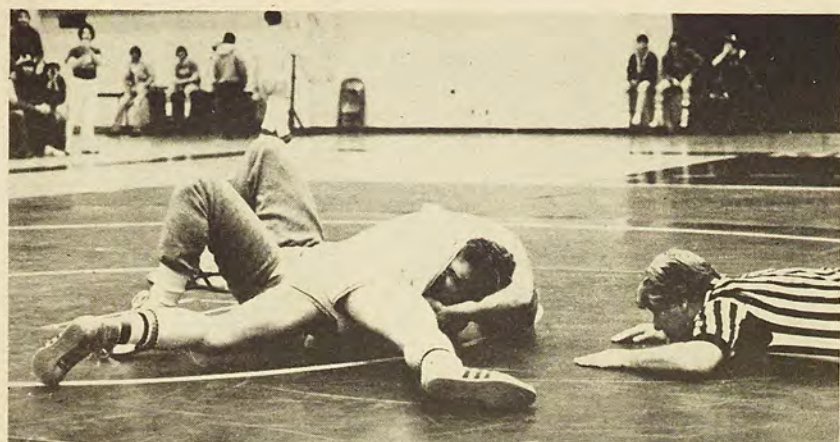
Robert H. Mendell writes that his son, Fred, a 1971 graduate of UMR, presented him with a grandson on Feb. 9, 1981. "Cute, cute, cute!" Bob is a project manager with J. S. Alberice Construction Co., in St. Louis. Bob and Dora live at 1130 Dovergate, Kirkwood, MO 63122.

Gerald Schnaedelbach writes: "Now flying Boeing 727 jetliners for Air Florida as line captain, on routes all over continental U.S., Caribbean, and South America. Lost my wife, Wendy, to cancer in Aug. '81." Gerald's address is 2823 Patterson Ave., Key West, FL 33040.

Norman F. Schneider reports that he is retired now, but busier than ever getting settled into a new home. Norman and Mary now live at 3825 Pinewood, Bedford, TX 76021.

George and Mabel Slocum reside at 13923 Blair Stone Lane, Wheaton, MD 20906. George is manager of construction engineering with National Railroad Passenger Corp., (AMTRAK), in Washington, D.C.

Alumni Personals



1981 Rollamo

1951

J. R. Brady has retired as vice president of Northern Natural Gas Co., and is now operating as a consultant and independent O & G operator. J. R. and Dorothy live at 1223 N. 95th St., Omaha, NB 68114.

Earl E. and Lou Jackson live at 831 7th Avenue, Bethlehem, PA 18018. He is a project manager with Bethlehem Steel Corp. Earl writes: "Returned to Bethlem, Pa., in Dec. after two years in Sierra Leone, West Africa, constructing a barge repair facility."

1952

Richard L. Light sends us this note: "I am now a full time volunteer with Wycliffe Bible Translators Jungle Aviation and Radio Service at Waxhaw, NC." Richard and Dorothy's address is JAARS, Waxhaw, NC 28173.

John E. Priest has a new position as senior associate with Harza Engineering Co. in Chicago. John is now responsible for project management and business development in the Africa/Middle East area. He joined Harza in 1959 and has supervised a variety of water resources planning assignments in the United States, Pakistan and Iran. John lives at 250 Linden Ave., Wilmette, IL 60091.

The Post Office has notified us of the death of **Lewis Chesley Martin**.

George MacZura reports that all 10 of his children plus 2 married mates were home for 1981 Christmas. This was the first Christmas get-together since 1974. His first grandchild is due in July. He also writes that he hopes to see 1952 classmates at the 30 year reunion this fall. George and Mary live at 725 Orchard Hill Drive, Pittsburgh, PA 15238. George is now a senior technical specialist with Alcoa Laboratories in Alcoa Center, Pa.

1953

Charles A. Anderson writes: "Our third son, John, graduated from UMR in December 1981, with a B.S. in mining engineering. Our first son, Chuck, finished in December, 1976, B.S. in mining. 2nd son, Michael in December 1980, B.S. in mining and again in May 1981, B.S. in engineering management." Charles is a division superintendent with St. Joe Minerals Corp. He and Angela live at No. 1, Crescent Drive, Viburnum, MO 65566.



1981 Rollamo

William W. Kronmueller reports that he is still employed at the same plant, but that plant is now operated by different subsidiary of Standard Oil Co. (Ind.), Amoco Chemicals Corp. (formerly Amoco Oil Co.). Bill is a maintenance supervisor - administrative. Bill and Helen live at 10 Dana Drive, Florissant, MO 63033.

1954

Clarence Lee Alburdis died Dec. 12, 1981, according to a notice received by the alumni office.

1955

Sam and Joan Barco report that Greg is now a sophomore at Louisville Presbyterian Theological Seminary. Sam and Joan live at 313B Country Club Lane, Columbia, TN 38401-7. Sam is a senior process engineer with Hooker Chemicals & Plastics Co.

Robert G. Bening is now a program manager with Metcalf & Eddy Inc. Bob and Irene have moved to 12110 Taylorcrest, Houston, TX 77024.

Philip and Helen Corneli live at 6536 E. Northview Drive, Anaheim Hills, CA 92807. Phil is a regional manager for Tretolite Division of Petrolite Corp., in Brea, Calif.

Dale Gilliam has been promoted to general manager of production at Amoco Production Co., USA. Dale and Joni live at 3749 Red Oak Court, New Orleans, LA 70114.

1956

James H. Borgerding reports he is self employed as a consulting petroleum engineer specializing in oil and gas reserve evaluations. He and Kathleen have a family of four girls and two boys. The family lives at 4042 E. 14th St., Casper, WY 82601.

1958

Donald and Mary McGovern now live at 14 Denehurst Gardens, Richmond TW 10 5DL, Surrey, England. Don is a program manager, AV-8, with McDonnell-Douglas Corp.

Richard H. Okenfuss, '58, '60, writes: "Vic Hoffman, '60, was in town on business in November and we had a great time recalling old 'MSM Days'." Richard and Julie live at 9132 Millcliff Drive, Cincinnati, OH 45231. Richard is employed by Proctor & Gamble.



ROBERT J. SMULAND

Robert J. Smuland, general manager of the aircraft engine business group's Commercial Engine Projects Division, has been elected a vice president of General Electric. He joined GE in 1958 and is currently responsible for management of GE's large commercial turbine engine programs...the CF6 and CFM56 engine families. Eighty-one airlines around the world are customers for these engines. Bob holds 12 patents related to aircraft gas turbine engines. He and Barbara live at 3 S. Applewood Court, Fairfield, OH 45014.

1959

David B. Bitzer has accepted a position as chief mining engineer, coal properties, with the Penn Central Corp., in Pittsburgh, Pa. David and Edith's address is RD No. 7, Box 7054, Mercer, PA 16137.

Wilson W. Overall is now president of Surface Systems Inc., in St. Louis. He writes that his company manufactures electronic systems for airports and highways. Wilson lives at 1105 Timberlane Drive, Warson Woods, MO 63122.

Norman H. Pond has been named president of Teledyne MEC. He says Teledyne is located in Palo Alto, Calif., and is involved with microwave components, TWT's and systems for electronic warfare." Norman and Natalie live at 1514 Redwood Drive, Los Altos, CA 94022.

Alumni Personals

1960



JAMES D. COFFMAN

James D. Coffman has been appointed general manager of residence and public services for Southwestern Bell in St. Louis. He lives at 569 Hickory View Lane, Ballwin, MO 63011. Jim joined Bell in 1960. He has progressed through several positions in the company's plant, network, residence and personnel departments in Missouri at Washington, Overland, Fulton, Moberly, Kansas City, Springfield and Creve Coeur. In 1967, he was appointed division plant superintendent for the company in Springfield. He became assistant vice-president centralized services in May, 1980.

Jerrold M. Alyea writes that he has recently been elected to the board of directors of the Medical Center of Independence, Mo. Jerrold and Judith live at 1009 44th St., Blue Springs, MO 64015. He is president of Complete Building Center in Blue Springs.

Leland and Zoe Anne Hauth make their home at 3708 Keith Court, Oklahoma City, OK 73135. Leland is a hydrologist with the U.S. Geological Survey WRD.

Daniel D. Moit writes that he has been appointed business unit manager-coil coatings in the chemical coatings division of Sherwin-Williams Co., in Chicago, Ill. Dan and his wife, Pat, and three children (ages 17, 15, & 11) now reside at 347 S. Maid Marian Drive, Schererville, IN 46375.

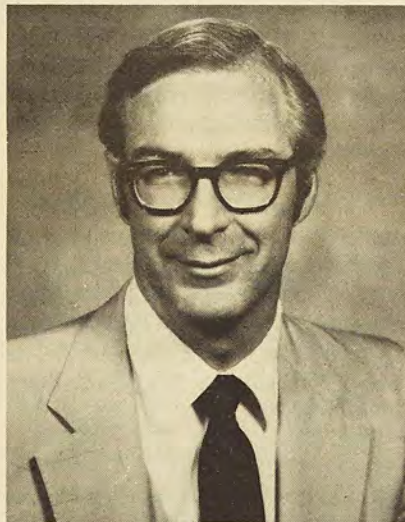
Gene L. Scofield writes: "I enjoyed a two-day visit to the campus in early November as a part of the Chevrolet-GM recruiting team effort." Gene and Dixie live at 24759 Cunningham, Warren, MI 48091. Gene is an assistant staff engineer (product) with Chevrolet Engineering Center.

Lamar and Marilynn Todd live at 12 Monterey Road, Tonawanda, NY 14150. Lamar is a metallurgical engineer with Elkem Metals in Niagara Falls, N.Y. Elkem, a Norwegian company, has bought the half of the Union Carbide, Metals Division that Lamar worked for.

1961

Donald W. Burlage has moved to 2301 Jeff Davis Highway, Arlington, VA 22202. He is acting deputy director of the "very high speed integrated circuits" program in the Office of the Secretary of Defense.

Robert C. Kohleppel lives at 1417 Richards Lake Road, Fort Collins, CO 80524. Bob is a general site manager with Black & Veatch of Kansas City, Mo.



JOHN W. RICKETTS

John W. Ricketts has been promoted to the position of senior vice president of Tamko Asphalt Products Inc. John joined the company in 1966, was made manager of the roofing plant in 1967, and has been vice president of manufacturing for the past 10 years. He is a registered professional engineer in Missouri, Kansas, Tennessee, Alabama and Maryland, and was named "outstanding young engineer of the year" by the Southwest chapter of the Missouri Society of Professional Engineers in 1968. John, Camille, and their two daughters, Laurel and Elizabeth, live at 802 North Moffet, Joplin, MO 64801.

George A. Swier is now director of engineering and water for the City of Bloomington, Ill. George and Norma live at 36 Kenfield Circle, Bloomington, IL 61701.

1962



DAVID B. BARTHOLIC

David B. Bartholic was granted the fifth and sixth patents for Engelhard Corp.'s Asphalt Residual Treating (ART) process. When realized, the patents have the potential for decreasing USA crude imports by as much as 50 percent by making the same volume of high value products such as gasoline from much less crude. David is director of refining technology for the Minerals & Chemicals Division of Engelhard Corp., in Menlo Park, N.J. David lives at 75 Wetumpka Lane, Plainfield, NJ 07060.

William D. Harrill has accepted a position as control systems supervisor with Alyeska Pipeline. Bill and Vera have moved to 121 Robe River Drive, P.O. Box 772, Valdez, AK 99686.

Alan and Sharon Stephenson have moved to 4048 Spitze Drive, Las Vegas, NV 89103. Alan is a staff member at Sandia National Laboratories/4538 in Albuquerque, N.M.

John V. Sullivan now lives at 1739 N.E. Clubho, North Kansas City, MO 64116. John is the manager of marketing for Armco-Union Wire Rope.

Larry and Janice Webb live at 223 S. Genessee, Bellaire, MI 49615. Larry is division general manager with Gulf & Western, Stamping Division, in Mancelona, Mich.

1963

Max Close sends us the following note: "Presently serving as managing director of AccuRay Ireland, AccuRay Corp., producing process control and information systems for the European market. Subsidiary started in January 1981, situated in Dundalk, Ireland, with wife and two sons, Stephen and Gregory." Max and Elaine may be reached by writing % AccuRay Corp., 650 Ackerman Road, Columbus, OH 43202.

1964

Clarence (Clancy) Ellebracht is staff manager, business product management, for Southwestern Bell Telephone in St. Louis, Mo. Clancy and Sharron live at 2477 Waterman, Granite City, IL 62040. Clancy and Sharron have two daughters in school. Dawn is a junior at Lutheran High School-North. Elizabeth (Gollinger) is a junior at McKendree College. Elizabeth has been recognized in the '81-'82 "Who's Who in American Colleges." Sharron also works at Southwestern Bell and has recently been transferred to the Network Department.

Larry L. Parkinson reports: "We have just completed the construction of our second zinc production plant. Our capacity is increased from 8,000 to 25,000 tons per year. We recover zinc from galvanizing dross." Larry is plant manager for Interamerican Zinc Inc. Larry and Claudette live at 2614 Bent Oak Ave., Adrian, MI 49221.

Randall and Ethel (Casey) Yoakum have moved to 22600 S.E. Donna Circle, Boring, OR 97009. Randy is co-owner and business manager of Workmans Forest Products in Clackamas, Ore.

1965

Thomas K. Gaylord, '65, '67, has been with the School of Electrical Engineering at Georgia Tech since 1972, and is now professor of optics and solid state. Tom is the author of some 88 technical journal publications. He is active in industrial consulting and is a registered professional engineer. He is the recipient of three Sigma Xi research awards, one teaching award, the 1977 "outstanding engineer of the year" award from the Georgia Society of Professional Engineers, and the 1979 "Burtis W. McGraw Research Award" from the American Society for Engineering Education. Currently he is editor of the IEEE Transactions on Education, is optics education editor for Optical Engineering, and is a member of the editorial advisory board of Optical Spectra. Tom and Janice live at 3180 Verdun Drive N.W., Atlanta, GA 30305.

The alumni office has received notice that **Ronald L. Gundy** died on June 30, 1969.

Terry and Amy Ming Huang have moved to Apt. 1-E, 100 W. Outer Park Drive, Springfield, IL 62704. Terry is a member of the professional staff at Cutler-Williams Inc., in Dallas, Texas.

Alumni Personals

1966

Richard A. Richardson has accepted a position as a structural engineer with Rust Engineering in Birmingham, Ala. Richard and Linda have moved to 104 Sugar Cane Court, Greer, SC 29651.

Samuel A. and Peggy Scheer have moved to 9579 Creek Road, Springville, NY 14141. Sam is the manager of project control for Westinghouse in West Valley, N.Y.

Les and Linda Stewart live at 6020 Wedgewood Way, Indianapolis, IN 46254. Les is a materials engineering manager with PT Components Inc. (Formerly FMC Power Transmission Group).

1967

Kenneth C. Bollinger sends the following note: "Promoted to sales manager for Monsanto's Rubber Chemicals Division (in Akron, Ohio) in April, 1981. Previous position was sales manager for Latin America and Canada for Monsanto's Rubber Chemical Division." Ken and Fran live at 92 South Franklin St., Chagrin Falls, OH 44022.

Ralph P. Bording has accepted a position as senior research scientist with Amoco Production Research Center in Tulsa, Okla. Ralph and Mary Ruth's new address is P.O. Box 1486, Claremore, OK 74017.

Ralph and Liziane Calfee's address is Box 117, Kitty Hawk, NC 27949.

Richard M. Franke, '67 & '70, recently attended the UMR Deep Foundations Short Course held in St. Louis. Dick is now a chief geotechnical engineer with Southern Company Services. Dick and Vinette now live at 424 Paramount Lane, Birmingham, AL 35226.

Jeffrey W. Kahrs writes: "After four years in N.E. Ohio, Jeff, Betsy, Kevin, and Bryan Kahrs are looking forward to their move to a warmer climate. Jeff has been promoted to chief chemist at Goodyear's radial passenger tire plant in Tennessee. Their new address will be 1803 Shatz Road, Union City, TN 38261."

Edwin C. Kettenbrink Jr., '67, '70, has been promoted to exploration manager with Berry Petroleum Corp. Ed and Gale (Davidge, '67) reside at 3605 Sinclair Ave., Midland, TX 79703.

Joseph W. Stahl reports that he presented a paper at the 16th Department of Defense Cost Analysis Symposium on October 6. Joe lives at No. 6, 7723 Donny Brook Court, Annandale, VA 22023. Joe is a research staff member with the Institute for Defense Analysis. He writes: "IDA is moving January 30 and 31 so will send new address and phone number."

1968

Larry and Kathy Choate are pleased to announce that Patrick Lawrence has a new baby sister, Allison Marie, born on October 23, 1981. Larry is chief engineer for Crowley Constructors Inc., in Long Beach, Calif. The Choate family resides at 4620 Vermont St., Long Beach, CA 90814.

Michael J. Smith is now a Central Illinois EPA team leader with the U.S. Army Corps of Engineers in Peoria. Mike and Julia live at 108 Stuaan Court, Bartonville, IL 61607.

1969



DON BOURNE

Don Bourne has been promoted from a preconstruction project manager to vice president-preconstruction (a new position) for McBro, the construction management-design/build division of McCarthy Brothers Co., St. Louis. Don, who was formerly with Allegheny Industrial Electric and Carl I. Schaeffer Electric, has been with McBro since 1975. His home address is 551 Windsor Mill Drive, Ballwin, MO 63011.

Eugene S. Henry is now a cost engineer with Bechtel in Richland, Wash. Eugene and Judy have moved to 1820 W. 11th Ave., Kennewick, WA 99336.

Alvin D. Wansing reports that he was elected chairperson of S.W. District of the Ohio Section of the American Water Works Association for 1982. Alvin is water director for the city of Springfield, Ohio. Alvin and Sheila live at 1646 Winding Trail, Springfield, OH 45503.

1970

Roland T. Albrecht is now general foreman - steel producing for U.S. Steel in Gary, Ind. Roland and Terry have moved to 101 Fordwick, Valparaiso, IN 46383.

Gary R. and Mary C. (Brunkhorst) Alexander, '71 are pleased to announce the arrival of their second daughter, Amanda Lynn. She was born on September 24th, 1981, and weighed 6 lbs. 10 ozs. Gary, Mary, Tricia and Amanda live at 26347 Greythorne Trail, Farmington Hills, MI 48018. Gary is vice president of Logical Design Corp., in Southfield, Mich.

Douglas G. Birk was promoted to industrial engineer with the U.S. Army Troop Support and Army Aviation Readiness Command, Production & Cost Division, in June. Doug has moved to 377 North Taylor, No. 1N, St. Louis, MO 63108.

Earl Burk informs us that he has been promoted to director of project engineering with Mid America Dairymen Inc. He received an MBA from SMSU in December. Earl, Vicki, and daughter Kiersten make their home at 672 W. Riverside, Springfield, MO 65807.

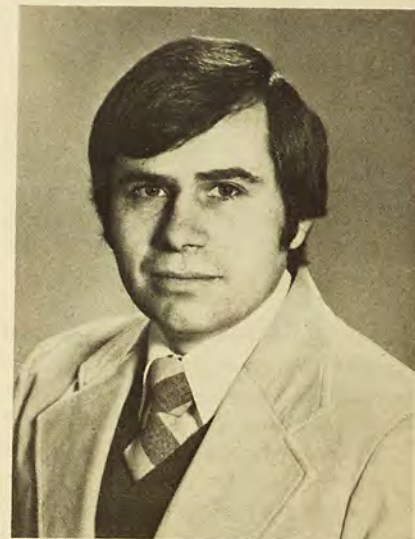
Richard W. Delange now lives at 330 Meadowfern, No. 116, Houston, TX 77067.

William E. and Teresa Hiatt now live at 3005 19th St. S., St. Cloud, MN 56301. William has a new position as construction manager with Northern States Power Co.

Donald R. Hite has been promoted to unit chief with McDonnell-Douglas in St. Louis. Donald and Janice Lynn have moved to Dogwood Lane, Great Mills, MD 20634.

Thomas and Donna Lehman have moved to 12001 Running Creek Road, Louisville, KY 40243. Tom is now an environmental process engineer with Celanese Plastics & Specialties Co.

Frederick N. Mendell has a new position as senior staff engineer with Ralston-Purina. Fred and Susan now live at 1564 Parkland Drive, Lancaster, OH 43130.



FRED ROCCHIO JR.

Fred Rocchio Jr. has been appointed project manager for the proposed No. 2 Slab Caster at Inland Steel Co., Indiana Harbor Works, in East Chicago, Ind. Fred was formerly superintendent at Plant 3 Coke Plant. Fred and Kathleen live at 9813 Arthur Court, Crown Point, IN 46307.

Loren and Linda Shepherd live at 529 Rumble Lane, Addison, IL 60101. Loren is an electrical project engineer with Signode Corp., in Glenview, Ill.

William K. Shinn has been promoted to chief electrical engineer with Aluminum Company of America. Bill and Diane have moved to 5 Serra Lane, Massena, NY 13662.

Joseph A. Spitzmiller has moved to 519 E. Jefferson, Apt. 503, McAlester, OK 74501. Joe is now a division engineering superintendent for the Public Service Co. of Oklahoma.

James and Judy Wattenbarger live at 1301 N. 25th, Kansas City, KS 66102. Jim is manager of the engineering division of the Water Pollution Control Department in Kansas City. He comments, "80 years ago we had craftsmen who built marvelous brick sewers and surveyors who kept them on grade. Today we're looking for money to fix 50-year old clay roller-coasters. I wonder what the next generation will think of plastic pipe and lasers."

Alumni Personals

1971

Robert M. Cranmer tells us that he has been with Procter & Gamble in Cape Girardeau for 10 years. He is now industrial engineer and planning manager. Bob has also started his own small business called Adventure Enterprises. Bob and Gail live at 750 Strawberry, Jackson, MO 63755, and have two children, Stacy and Reid.

Lt. Col. Bruce P. Johnson died on Feb. 13, 1981 while on active duty. He was assigned as senior advisor to the 30th Engineer Brigade, North Carolina Army National Guard, Charlotte, N.C. He is survived by his wife, Linda, and sons Chris and Carl.

Richard C. Mues is now distribution manager for Lemco Engineers in St. Louis. He and Jane live at 847 Pontoon Drive, Manchester, MO 63011.

Gary Sherman has been appointed deputy director of the Division of Youth Services for the state of Missouri. Gary lives at 3310 Welwood, Springfield, MO 65804. He has been with the division, in various capacities in the Springfield region, since 1972.

Mike Sandella reports that he has been named plant manager of C-E Natco Chemicals Bayport Plant. Mike and Judy live at 13806 Ivymount, Sugar Land, TX 77478.



DAVE LAIR

Dave Lair is a group leader for engineering simulations on the LAMARS AFTI/F-16 program at the U.S. Air Force Flight Dynamics Laboratory at Wright-Patterson Air Force Base, Ohio. He has been with FDL since 1971. Dave and Christina live at 2565 Etiwanda Drive, Xenia, OH 45385.

George A. Webber, '71, '75, is now mining manager with Riverside Cement Co., in Riverside, Calif. George and Helma live at 836 Clifton Ave., Redlands, CA 92373.

Charles B. Williams is vice president and general manager of Marcona Ocean Industries, 1001 N.W. 62nd St., Suite 200, Fort Lauderdale, FL 33309.

1972

Michael P. Allen writes: "Representing McDonnell Douglas Aircraft Co. at UMR as a campus recruiter again in 1981-82. Participated again in the MDC Summer Intern Seminar. Working on new CAD/CAM applications for test engineering design and analysis." Mike is a lead engineer in the structures lab at McDonnell Douglas Aircraft Co. Mike and Donna reside at 6533 Tholozan, St. Louis, MO 63104.

Robert (Steve) and Linda Davis send the following: "On September 20, we had our second child, a daughter, Lindsay. Steve is still with Hewlett-Packard, Disc Memory Division, but he has a new position, regional sales engineering manager. He was promoted on June 1." Steve, Linda, and their children live at 4411 Foothill Drive, Boise, ID 83703.

Brett L. Hanke is now assistant project manager with Booker Associates Inc., in St. Louis. Brett's current address is 2145 Cleveland, Granite City, IL 62040.

Robert E. Klein reports: "Presently engaged at Houston International Engineering, designing offshore oil and gas production facilities for major oil companies in Gulf of Mexico. Recently completed Shell's Cognac facility. Currently residing at 5831 Sampley Way, Houston, TX 77092."

Lawrence H. Luzynski has been promoted to division manager, control systems, with SAB Harmon Industries in Grain Valley, Mo. Lawrence writes: "The control systems division at Harmon is responsible for the design and installation of railway signal and communications systems. Larry, Ellie, Steven and Amy are all well and living at 3604 S. 10th Street Court, Blue Springs, MO 64015."

Larry R. Maddux writes that he has been promoted twice since joining Arco Coal Operations in June 1980. He started as assistant superintendent of preparation, moved to manager of preparation and, on Oct. 1, was promoted to chief preparation engineer and head of quality control. Larry and Patricia have moved to 704 Bona Vista Place, Charleston, WV 25311.



JAMES A. MULLIGAN

James A. Mulligan was married Sept. 26, 1981, to Gini Johnson of Plano, Texas. Jim sends us the following: "After spending a wonderful week on the islands of Hawaii, it was back to work in the Dallas area. Jim has been working for the last two and a half years with LaRue, Moore, and Schafer (Robert P., '52, '53) screening oil and gas prospects, recommending land acquisition where oil and gas potential exist, and generating oil and gas prospects. Not only have these efforts resulted in some oil and gas being found, but, hopefully, it has made the United States a little more self-sufficient. Gini, is an interior designer so it will not be long before their house is a home instead of a pad. Jim has been active for two years in interviewing applicants for scholarships who are geology/geophysics majors; not only has he been impressed with the caliber of the applicants, but the local geology/geophysical society awarded more than \$10,000 to successful applicants for the 1981-82 school year. Jim also is working on a committee that is in the process of publishing a needed book on the geology-as it relates to oil and gas-in the Fort Worth Basin of Texas. On the community level Jim is a Big Brother for the third year to a 9th grade football player who consistently beats him at backgammon and all those electronic games. He and Gini reside at 1902 Columbia Drive, Richardson, TX 75081. They extend warm wishes to their friends and invite them to visit the Mulligans' when in the Big D area."

Robert and Joellyn Phillips now live at 423 Kings Highway E., Middletown, NJ 07748. Bob has a new position as manager of regional operations with Chas. F. Guyon Inc., in Harrison, N.J.

George M. (Mat) Wisbrock, Jr. lives at 10310 Sageberry Drive, Houston, TX 77089. Mat is chief metallurgist and quality assurance manager for B. J. Hughes Inc. (Hughes Tool Co.)

John B. Werthman Jr. reports that he assumed the position of electrical applications chief with Burns & McDonnell Engineering Co. in November 1980, and he authored and presented a technical paper at the 1981 America Power Conference in Chicago. He now has two children, an 8 year old daughter, and a 6 year old son. John, Yvonne and their children live at 7102 E. 132nd St., Grandview, MO 64030.

1973

Ralph Drews lives at 2908 Tangle Oak Court, Bedford, TX 76021. Ralph is a sales engineer with Trane Air Conditioning Co., in Fort Worth.

Sarah (Sample) Edwards sends this letter: "My current address: 1525 West Estes B-4, Chicago, IL 60626. I moved to Chicago to seek my fortune in April of 1980. During my first summer here, I worked on the staff of writers which produced The Complete Book of Electric Vehicles by Sheldon R. Shachet. I now work in the technical services department of SPSS Inc., where I hold the position of publications coordinator. (SPSS is a software house which produces computer programs.) I find the windy city a terrific place to live and work!"

William L. Lane has recently been promoted to director of research-mining with St. Joe Minerals Corp. Bill and Leann have two children, a girl named Jillian Emma, age 2½, and a baby boy named Christopher, age 2 months. The family's address is Box 373, Viburnum, MO 65566.

Jerry and Marilyn Minoff have moved to 120 Norview, Charleston, SC 29407. Jerry is a construction manager with SPCM Inc., in St. Louis.

Lt. Col. Stephen E. Shepard has been reassigned to Vicksburg District, Corps of Engineers, as deputy district engineer. Steve and Sandra live at 7 Tennessee Road, Vicksburg, MS 39180.

Floyd L. Smith is now engineering & technical services manager for USS Agri-Chemicals in Crystal City, Mo. Floyd and Suzanne have moved to Route 2, Box 299B, Festus, MO 63028.

Martin R. Stampick, Jr. is a junior industrial engineer with CF & I Steel. Martin and Patricia (Bobbitt) live at 560 Saunders Drive, Pueblo West, CO 81007.

William and Kathy Stine now live at 2011 Kingsgate, St. Louis, MO 63138. Bill is blast furnace foreman for National Steel Corp., in Granite City, Ill.

Alumni Personals

1973 (Cont.)

Roger L. Stonner asks...."Evelyn (Hubner) Gayer, where are you?" Roger's address is Route 1, Box 15, Camden, MO 64017. He is a mechanical engineering section leader with Owens Corning Fiberglas in Kansas City, Kan.

Editor's note: For Roger and other '73 alumni, Alumni records show that Evelyn is a design engineer for Paul Mueller Co. in Springfield, Mo.

Anita Williams reports: "I moved to Anchorage, Alaska in May 81 to do mineral exploration for Phillips." She is now a minerals geologist supervisor with Phillips Petroleum. Anita's address is SRA 1684-J, Anchorage, AK 99507.

Chris David Wilson has accepted a position as a project engineer with the City of Kansas City, Mo. Public Works. He and Marsha live at 512 Mimosa, Lee's Summit, MO 64063. He says they will be moving to a new home in K.C. soon.

Scott and Karen Winfield recently moved to 6316 W. 102nd St., Overland Park, KS 66212. They have two children; Leslie, 3½ years old, and Eric, 1 year old. Scott is a lead programmer for Butler Manufacturing Co., in Kansas City, Mo.

1974

Edward J. Christy "left Caterpillar Tractor Co. after five years as regional manager for them. Joined Eaton Corp.'s industrial truck division as manager of marketing programs for North America. Ed and Charlye also have a new addition to the family. Her name is Courtenay Lee and she was born on Valentine's Day." Ed and his family live at 456 Dolores Drive, Collegeville, PA 19426.



1981 Rollamo

Bruce Enloe has been promoted to section manager facilities, with Texas Instruments. He is working on two buildings on Texas Instruments' Expressway site in Dallas. Bruce and Beverly live at 7000 Sable Lane, Wylie, TX 75098.

David R. Evans has accepted a position with Tektronix Inc., as a design engineer. Dave and Betty now live at 13795 S.W. Electric St., No. 12, Beaverton, OR 97005.

Gary L. Fears lives at 6562-B Roosevelt Ave., S.E., Charleston, WV 25304. Gary is a sales engineer, component & sales department, for General Electric Co.

Dale W. Hughes sends us the following note: "Last May I received an MA in mathematics from Washington University in St. Louis." Dale has moved to 327 N. Green, Wichita, KS 67214. He is now an instructor in the mathematics department at Wichita State University.

Rick O. Jones writes: "Maggie (1973) is expecting and we are hoping for a St. Patrick's Day baby (March). Rick and Maggie live at 112 Merideth Lane, Longmont, CO 80501. Rick is a senior associate engineer with IBM Corp., in Boulder, Colo.

John A. Kinkead says: "I am in Theological Seminary here in Anderson pursuing a Master of Divinity degree and expect to enter into a pastoral ministry upon graduation." John and Patricia Sue have moved to 1706 E. First, Apt. B-12, Anderson, IN 46012.

Gilmore W. Krener Jr. is now a product assurance engineer with the U.S. Army (AVRADCOM DRDAV-QE) in St. Louis. Gilmore lives at 217-C Chapel Ridge Drive, Hazelwood, MO 63042.

Neal A. Lewis writes that his and Joan's second son was born on Sept. 13th. Kristopher joins their older son, David, who brags he now has a "baby brodder." Neal, Joan, and their two sons live at 1605 Andy Drive, Sherman, TX 75070. Neal is a staff manager at the Folgers Coffee Co.

John R. and Phyllis A. Melton wish to announce the arrival of their second child, Lora Michelle, on Dec. 12. John, Phyllis, their two year old son, Ryan, and Lora live at 1813 N. Rensselaer, Griffith, IN 46319. John is an electrical foreman with Inland Steel Co., in East Chicago, Ind.

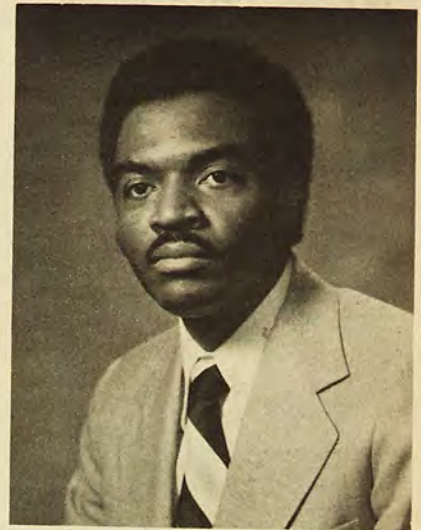
Michael J. Miller is a Captain in the U.S. Air Force and an exchange instructor pilot with the U.S. Air Force. Mike and Deborah Sue have moved to 12 Phillip Court, Padbury, Western Australia 6025.

Mark (Snatch) Schnatzmeyer writes: "I guess after all these years, its about time I let you know what I'm up to. Since '75 I've been living in Dallas, the most fun town in the U.S., which may explain why I'm still single and enjoying it! When I'm not on a photographic assignment for Playboy magazine, I'm a senior research and development engineer for Otis Engineering Corp. There are several other alumni here (many of them Lamba Chi's) who keep in touch and get together often. I would like to hear from any of the "old gang" from UMR, so drop me a note, or call at: (home) 20 Oakbrook Drive, Lewisville, TX 75067. (214) 436-5033. (work) Otis Engr. Corp., box 34380, Dallas, TX 75234. (214) 324-3602."

Lynda (Nations) and Donald Short live at 1405 Old Frankfort Pike, Lexington, KY 40504. Lynda is an office manager and sterile scrubnurse at G. Lewis Sutherland, DPM.

Ronald and Quened Spalding now reside at 9706 Pinehurst Drive, Baytown, TX 77521. Ron is employed by ARCO Performance Chemical Co., in Deer Park, Texas, as an account representative.

Raymond J. Stonitsch has a new position as senior buyer in purchasing with Armco Inc., in Middletown, Ohio. Ray and Jo Alice have moved to 5507 Liberty Woods Drive, Hamilton, OH 45011.



FRED L. THOMPSON

Fred L. Thompson has been appointed plant manager of the Everett, Mass. facility of the manufacturing division of Monsanto Industrial Chemicals Co., an operating unit of Monsanto Co. Fred joined Monsanto in 1969 and has held various positions within the engineering and manufacturing functions. Most recently he was general superintendent for manufacturing and services at the Chocolate Bayou plant in Alvin, Texas. Monsanto's Everett plant manufactures a wide range of products, including water treatment chemicals, surface active agents, plasticizers and paper chemicals.

Greg Wessel is now a geologist with Marathon Resources Inc., in Denver, Colo. Greg and Barbara have moved to 6170 W. 39th, Wheatridge, CO 80023.

1975

Duane E. Berning's address is P.O. Box 1, Carson City, NV 89702. He is a construction superintendent with Westinghouse Electric in Pusan, Korea.

Patricia (Cooke) and Jerry Bohm's new address is P.O. Box 91, Windom, MN 56101. Their son, Darly Aaron, celebrated his first birthday on January 6.

David E. Cobb married Amy Bova in September. They moved to 725 Weintz, Moberly, MO 65270 in November. David is now a project engineer in the fuels and mining division of Associated Electric Cooperative of Springfield, Mo.

Kenneth J. Courtney's new address is Rural Route 1, P.O. Box 53, Milton, KS 67106. Kenneth is a consultant engineer with Diversified Sciences. He reports that he has been in Canada since February, 1981, and lost touch for a while because of the two-month postal strike there.

Alumni Personals

1975 (Cont.)

Linda A. Doyle (B.A. history) tells us that her husband, **Joe Buchek**, '75-computer science died in May, 1980. They had two children. In June, 1981, Linda married a widower, Robert Doyle, and they now have a family consisting of a boy, 6, a girl, 5, and a boy, 2. Linda keeps busy as a homemaker. The family lives at 3823 Elmcrest, Houston, TX 77088.

Michael M. Easterly has moved to 3501 Sawtelle No. 203, Los Angeles, CA 90066. Mike is a geologist with the Corps of Engineers.

Guy R. and Lynn Freise are happy to announce the birth of their first child, Pamela Lynn. The family lives at 4321 Woodland Creek, Corpus Christi, TX 78410. Guy is divisional manager for Shilstone Engineering Testing Corp.

Dennis Garrison has a new position with General Electric as a maintenance manager. Dennis and Margaret have moved to 10607 Broad Run Road, Louisville, KY 40299.

Gregory A. Hellwig reports: "I received my MBA degree from University of Tennessee at Chattanooga in April, 1981. Also received my P.E. license in August, 1981. In November, 1981, I transferred to TVA's office of coal gasification in its Engineering and Construction Division. End product of this coal gas will be methanol." Greg now lives at 4221 3rd Ave., Apt. A, Chattanooga, TN 37416.

Steven and Sue Holcomb would like to announce the birth of their third child, Traci Marie, on Oct. 25, 1981. Their other two children are Katy, age 3, and Mark, age 7. Steve is now a district department superintendent with Gas Service Co., in Kansas City, Mo. The Holcomb family lives at 3607 Woodbury, Independence, MO 64055.

Paul Kornberger is now a civil engineer with the U.S. Army Engineer Division, Middle East. Paul and Kathleen's address is USAED-ME, P.O. Box 4166, APO New York 09038. They live in Riyadh, Saudi Arabia.

Robbie R. Rakestraw has a new position as principal engineer with Seidler and Moore, P.A. Robbie and Pamela live at 1314 East 7th St., Pittsburg, KS 66762.

Tawsak and Ladawan Urwongse have moved to 13519 Hampton Falls Drive, Houston, TX 77041. Tawsak has accepted a position as senior geophysicist with Texaco in Bellaire, Texas.

Richard A. Voytas writes: "I have accepted the position of marketing coordinator, coal, at Cities Service Company in Tulsa. I was formerly with Union Electric in St. Louis. My new home address is 4328 E. 80th, Tulsa, OK 74136. Finally my wife, Diane, and I are expecting our third child in February, 1982."

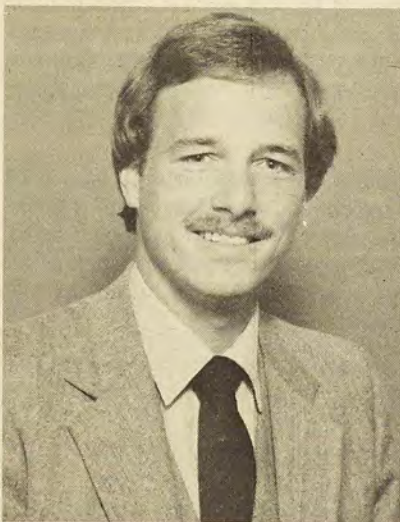
1976

Bill and Sharon Ahal are proud to announce the birth of their first child, Julie Anne, on October 7, 1981. Bill, Sharon and Julie live at No. 3 Attsfield Court, Chesterfield, MO 63017.

Jacques and Joyce Bellasai reside at 1612 Scarborough Drive, Fort Collins, CO 80526. Jacques is a field civil engineer with Black & Veatch (Wellington, Colo.).

David and Denise Denner live at 6851 Parc-Charlene, Florissant, MO 63033. Dave is a production supervisor of the nitrochlorobenzene department at Monsanto's W.G. Krummrich plant. Denise is employed at Washington University Medical School in pediatric neurology research. Their first child was expected in December.

Michael L. Emmerich is now a senior project engineer with Monsanto Co., in Texas City, Texas. Mike and Wanda have moved to 17003 Stone Stile, Friendswood, TX 77546.



ROBERT E. BURTON

Robert E. Burton writes: "I've been living in Wisconsin a year and a half. Great place for recreation! I'm sailing, skating, skiing, motorcycling and running sports car rallies. Last summer I rode one of my motorcycles out to Colorado and then down to the Grand Canyon. Next year - New England." Bob lives at 1307 S. Memorial Drive, Appleton, WI 54911. He is a marketing representative - plastics, with Eastman Chemical Products Inc.



1981 Rollamo

Robert and Debra Sue (Wiss) Hayes' new address is P.O. Box 1627, Vernal, UT 84078. Bob is a resident representative for Burns & McDonnell Engineers of Kansas City, Mo.

Harshed and Bharii Kothari now live at 1003 Arbor, Cherrywood Apartments, Clementon, NJ 08021. Harshed is a pipe stress engineer with Stone & Webster Engineering Co., in Cherry Hill, N.J.

Tony Kutz writes: "After five years in Bogota, Columbia, we have been transferred to Villahermosa, Mexico, where I will specialize in production logging services. The climate here is hot!" Tony and Claudia may be reached by writing Schlumberger Sureco S.A., Apartado Postal 53-937, Mexico 17, D.F., Mexico.

Harold G. Michel has accepted a position as an electrical design engineer with Stearns-Roger in Denver, Colo. Harold and Sandra have moved to 4705 E. Louisiana Ave., Apt. 410, Denver, CO 80222.

Dennis K. Mills now lives at 303 Sandtree Drive, Palm Beach Gardens, FL 33410. He is a senior design engineer with Pratt & Whitney Aircraft in West Palm Beach, Fla.

Tim O'Neill has accepted a position as senior geologist with Milchem Incorporated. Tim now lives at 2100 Tanglewilde, No. 559, Houston, TX 77063.

Stephen and Mail Pian Satterlee have moved to 4913 Amherst Drive, Bartlesville, OK 74003. Steve is a civil engineer with Phillips Petroleum.

Linda Riley, '76, and Craig Bernstein, '78, '80, have moved to 6319 W 50, Mission, KS 66202. Linda has recently gone to work as a results engineer for Kansas City Power & Light.

Mark A. Schulte has accepted a position as a containment area engineer with Gust K. Newberg Construction Co., in Chicago, Ill. Mark and Beth have moved to 4602 Hampton Court, Jeffersonville, IN 47130.

Robert Sickler has a new position as a senior geological engineer with General Telephone & Electronics in Towanda, Pa. Bob and Ernestine's address is P.O. Box 314, Wysox, PA 18854.

Charles Sidebottom's new address is Box 467, Holt Summit, MO 65043. Charles is an EDP director for Public Service Commission in Jefferson City, Mo.

Jennifer R. Wang has a new position as supervisor of technical services at Owens Corning Fiberglas. Jennifer and her husband, Walter (Schreifels), live at 2325 Cheshire Woods Road, Toledo, OH 43615.

Correction

The Alumnus regrets an error in the report of the death of William B. Whyte in the December issue. The name of the deceased should have been listed as **Myron Kent Whyte**. (William B. is the father's name.)

Charles W. Wiese, '76, '77, writes that he married the former Kathleen A. Gaare on September 5, in Arlington Heights, Ill. "She is a graduate of Luther College in Decorah, Iowa, and taught elementary school in Australia for four years before returning to USA in 1980." Charles and Kathleen live at 305 Blossom, Carterville, IL 62918. Charles is a senior engineer with Olin Corp., in Marion, Ill.

1977

Larry D. Bullock has moved to 6601 Lynford St., Philadelphia, PA 19149. Larry is a programmer with Arrow Computer Service.

Robert Dippold has moved to 2248 Clager Road, St. Louis, MO 63125. He is now a quality assurance engineer with Union Electric Co.

Terry and Caren Dye have moved to 1630 West McCarty, Jefferson City, MO 65101. Terry is a rate economist II with the Public Service Commission.

Alumni Personals

1977 (Cont.)

David H. Fronick "has undertaken a new assignment as field engineer for Detroit Edison on the Belle River project." Dave and Karen's address is 2980 Quartz, Troy, MI 48098.

Leslie and Lorrie (Werner) Hamilton send this note: "We've moved to 9940 High Drive, Leawood, KS 66206. Les is a staff engineer with Burns & McDonnell and Lorrie is a staff engineer with Amoco Pipeline."

Warren Hertfelder reports that he has bought a house at 9710 Lorna Lane, St. Louis, MO 63136. Warren is an electrical engineer with McDonnell-Douglas.

Keith L. Lively is now a self employed consultant. He and Cynthia live at 308 Walnut, Glenwood, IL 60425.

Deborah and William G. Meister, '76, now live at 34 Longview, Rural Route No. 7, Springfield, IL 62707. Debbie is now an instructor of aerobic dancing in Northridge, Calif.

Ramagouda and Priya Narasagoudar now live at 1369 S. Kolb Road, Apt. 335, Tucson, AZ 85710. Ramagouda is a staff research engineer with Anaconda Minerals Co.

Steven T. Primeau reports: "I have been promoted to systems engineer-geophysics division, Conoco Inc." Steve and Sherri live at 910 E. Hazel, Ponca City, OK 74601.

Mark and Roxann Ryan live at 827 S. Washington, Liberal, KS 67901. Mark is a project administrator with Panhandle Eastern Pipe Line Co., of Kansas City, Mo.

Terry and Diann Sudholt have moved to 640 Pine Forest, Brandon, FL 33511. Terry is now a field civil engineer for Gilbert & Associates in Reading, Penn.

On October 17, 1981 **Kent Springer and Patricia Harris** were married in Turlock, Calif. They are residing at 334 Cypress, Bakersfield, CA 93304. Kent is a drilling representative with Chevron U.S.A.

1978

Gregory R. Arneson has moved to 2731 Greenland, Loveland, CO 80537. Greg is employed by Hewlett-Packard.

Elaine A. Christian and Robert E. Balliew were married Sept. 11, 1981, and now live at 1028 Harrison Ave., Loveland, CO 80537. Elaine is a voltmeter service engineer with Hewlett-Packard and Bob is a design engineer with the same company.

Gary and Sallie Donnor now reside at 12822 S. Hametown Road, Doylestown, OH 44230. Gary is an operations engineer with PPG Industries Inc., in Barberton, Ohio.

Ferrill E. Ford Jr. writes: "Ferrill & Debbie are expecting their next family member in April. We would like to hear from old friends - like the boys from House A who have forgotten how to write. Our address is 403 David, Bridge City, TX 77611." Ferrill is a construction engineer - MSTF with Gulf Oil in Port Arthur, Texas.

Alan W. Green sends the following note: "Colleen and Matthew (1 yr.) are settling into our new home in Slidell, La. Have a new job with Fluor Inc., as a contracts engineer on their Tenneco Oil Refinery project in Chalmette, La. New Orleans is a nice place to visit and not a bad place to live either." Alan, Colleen and Matthew's address is 1801 Cheshire Court, Slidell, LA 70458.

Craig Bernstein, '78, '80, and Linda Riley, '76, have moved to 6319 W 50, Mission, KS 66202. Linda has recently gone to work as a results engineer for Kansas City Power & Light.

James M. Ivy II, has been promoted to area engineer with Brown & Root Inc., of Houston. Jim has moved to 1000-5 Mount Sorris Drive, Glenwood Springs, CO 81601.

John and Mary Johnson now live at Dow's Farm No. 7, Rural Route No. 3, Cedar Rapids, IA 52401. John is a mechanical engineer with Black & Veatch of Kansas City, Mo.

Randall W. Jones has moved to 217 W. Broadway, No. C-30, Columbia, MO 65201. Randy is a medical student at the University of Missouri-Columbia.

Brad Kasten writes that he just got engaged to Natalie Fraser of St. Louis. No date has been set for the wedding. Brad lives at 66 Northwood, Urbana, IL 61801. He is a project engineer with Tarlton Corp., in St. Louis.

Mary and John Lynn's new address is Route 3, Box 433, Newburg, MO 65550. Mary is a graduate student at UMR.

Joseph W. Madison II, has been promoted to senior mechanical engineer at Alcoa. Joe and Teresa live at 2503 W. 60th Place, Davenport, IA 52806.

Donald R. McKean has a new position as metallurgical engineer with Singleton Materials Engineering Lab. Don has moved to 404 B Rhodora Court, Knoxville, TN 37923.

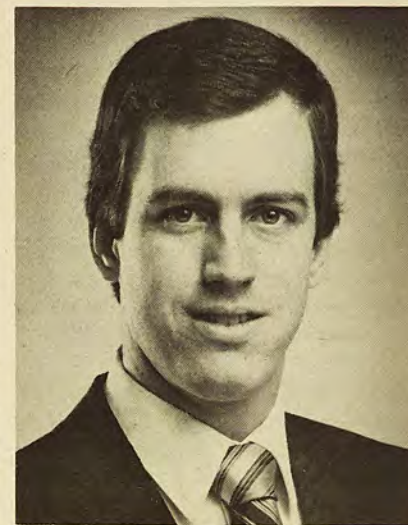
Sandra Michel has a new position as an exploration geologist with Phillips Petroleum Co., in Englewood, Colo. Sandra and her husband, Harold, '76, now live at 4705 E. Louisiana, No. 410, Denver, CO 80222.

Michael M. Monrotus now lives at 611 Bayless Ave., St. Louis, MO 63125. Mike is a mechanical engineer II with Monsanto Co.

Gary & Rebecca Perrey have moved to 44200 Kingtee Ave., No. 20, Lancaster, CA 95354. Gary is now a mine engineer with U.S. Borax & Chemical Co., in Boron, Calif.

John T. Pyron lives at Code 325 M, NUSC, New London, CT 06320. John is a submarine research officer in the U.S. Navy.

James and Kathleen (Kati) Rau have moved to 2308 South Fir Ave., Broken Arrow, OK 74012. Jim is now a district engineer with Continental Pipe Line Co., in Tulsa, Okla.



ROBERT C. MITCHELL

Robert C. Mitchell has been appointed vice president of the Frank C. Mitchell Co., Plumbing, Piping, and Utilities Contractors. Bob's appointment marks the fourth generation of direct participation in the management in this family firm. Bob lives at 10029 Rodium No. B, St. Louis, MO 63123.

Charles E. Staley sends this note: "I was the project engineer for the electrical and mechanical design and building of several automated assembly machines for the new Delco Products Plant located at Cadiz, Spain." Charles is now a process engineer with Delco Products Division of GM in Dayton, Ohio. Charles and Kathleen have moved to 1018 Sundance Drive, Miamisburg, OH 45342.

John N. Stolwyk says: "Employed by Morrison-Knudsen, working on mine design for an underground oil shale mine in Colorado. Susan and I are enjoying all the outdoor activities of the western U.S. Greetings to all of my coal mining buddies in the midwest. P.S. Lou Greer is still as short as he was in school!" John and Susan live at 4803 Kootenai No. 48, Boise ID 83705.

Michael and Sharon Verbyrick have moved to 12633 N. 47th Drive, Glendale, AZ 85304. Mike is a project engineer with Sperry Flight Systems in Phoenix.

1979

Samuel C. Blackburn's new address is Box 405, El Dorado, AR 71730. Sam is now an engineer with Murphy Oil.

James A. Bush reports that he has been promoted to petroleum engineer (senior grade) with Amoco Production Co. He also reports the birth of a daughter, Jessica Amanda, on April 12, 1981. Jim, Mary and Jessica now live at 11218 Rippling Meadows, Houston, TX 77064.



1981 Rollamo

Alumni Personals

1979 (Cont.)

Russell L. Goldammer has moved to 2001 Connecticut, Apt. M2, Joplin, MO 64801. Russell is a network supervisor for Southwestern Bell.

Stephen E. Goldammer now lives at 6327 Farley, Raytown, MO 64133. Steve is an engineer with Bendix in Kansas City, Mo.

Warren R. Greenwalt writes: "Our first baby was born November 29, 1981. An 8 lb. 4 oz. boy. Andrew Roger is home and doing fine." Warren, his wife, Patricia Lynn, and their new son live at 108 Kensington, Victoria, TX 77901. Warren is a petroleum engineer with Getty Oil Company.

Thomas J. Hagale sends the following note: "I am working at Edwards Air Force Base in California as a flight test engineer for an external 'conformal fuel tank' test program with the F-15 Eagle fighter aircraft. I am here on special field assignment from St. Louis." Tom lives at 1136 E. Ave., J-2, Lancaster, CA 93535. He is employed by McDonnell Aircraft Co.

Robert E. Hodgson now lives at 1000 Scottsdale Drive, Apt. No. 26, Harvey, LA 70058. Bob is an erection and repair supervisor with Johns-Manville Co., in Marrero, La.

Stephen and Elizabeth (Frick, '81) Lang now live at 4607 Overland NE., Albuquerque, NM 87109. Steve is now a mining engineer - planning, with Santa Fe Mining Inc.

Jeffery S. Lewis is now a highway engineer with the Federal Highway Administration. Jeff and Susan have moved to 2904 E. 16th St., Unit F, Vancouver, WA 98661.

Ruth A. May is now a process engineer with the E. F. Johnson Co., in Waseca, Minn. Ruth and Michael have moved to 626 20th St., N.E., Owatonna, MN 55060.

Johnnie B. Moore, III is now a design engineer with Lockheed Calif. Co., in Burbank, Calif. Johnnie and Avis now live at 6655 Whitsett Ave., Apt. No. 1, North Hollywood, CA 91606.

James and Adola Neumann would like to announce the birth of a son, Paul James, on July 23. Jim, Adola and Paul live at 1255 Burr Road, Channahon, IL 60410. Jim is with the mechanical engineering group at Amoco Chemicals in Joliet, Ill.

Reza and Caprice Sharifi-Isfahani now live at 3607 N. Libby St., Glendale, AZ 85308. Reza is a project engineer with Sperry Flight Systems in Phoenix, Ariz.

Neal A. Shearer, '79, '80, and his wife, Tammy, would like to announce the birth of their second child, a daughter, Emily Lauren, on Aug. 19. Neal has recently been promoted to field engineer with Schlumberger Well Services. Neal, Tammy, and their two children now live at 6800 Raspberry Lane, No. 2405, Shreveport, LA 71129.

James E. Starling, Jr. has been promoted to plant superintendent at ADM of Decatur, Ill. He now lives at 1749 Apple Lane, Clarksdale, MS 38614.

Bill and Cathy Stein are proud to announce the birth of their son, Daniel Joseph (10 lbs. 6¾ oz. and 22½" long). Bill, Cathy, and Daniel live at 521A Belugo Ave., Ft. Richardson, AK 99505. Bill is a 1st lieutenant in the U.S. Army.

Gregg and Linda Ward live at 4 South Calhoun, Liberal, KS 67901. Gregg is an engineer with Panhandle Eastern Pipeline.

Gaylord T. Williams lives at 4519 McPherson, St. Louis, MO 63108. He is an electrical engineer II for the City of St. Louis in air pollution control. He writes: "I have been accepted by St. Louis University Law School for this coming fall. I also will receive my MBA from SLU this coming semester."

1980

Roger and Sue (Hillis) Bartz live at 4009 Clipper Court, Plano, TX 75023. Roger is a manufacturing supervisor with Texas Instruments in Dallas.

Dieter J. Becker has moved to 1906 Brazos, Hobbs, MN 88240. He is an engineer with Gulf Oil Exploration & Production Co.

Marlin and Laura Conry's address is Route 5, Effingham, IL 62401. Marlin is an assistant engineer with Central Illinois Public Service Co., in Springfield.

George and Connie Dickinson live at 8010 E. 88 Terrace, No. 3, Kansas City, MO 64138. George is employed by Allis Chalmers in Independence, Mo.

Richard W. Griner lives at 410 W. Sixth, Apt. 12, Borger, TX 79007. Richard is an engineering analyst with Phillips Petroleum Co.

Gregory A. Jones has moved to Route No. 1, Box L-68, Lake Lotawana, MO 64063. Greg is an assistant structural engineer with Burns & McDonnell in Kansas City, Mo.

Inchul and Sunae Kang live at 585 Hacienda Ave., 106, Campbell, CA 95008.

John and Susan Jean Kastelic have moved to 706 Koke Mill Road, Springfield, IL 62707. John is assistant to the superintendent for Freeman United Coal Mining Co., in Farmersville, Ill.

Bob McCann would like to announce that he is working as a petroleum engineer for Tenneco in LaFayette, La., and that he will be getting married in November, 1982. Bob lives at 100 McDonald, Apt. 21-H, LaFayette, LA 70506.

Clinton D. McClanahan's new address is 14430 N. 19th Ave., Apt. 134, Phoenix, AZ 85023. He is an engineer for Sperry Flight Systems.

Brett J. Mild lives at 1485 S. Quail St., Lakewood, CO 80226. He is with the United States Bureau of Reclamation in Denver.

Mark R. Neider's address is 6061 Village Bend Drive, No. 306, Dallas, TX 75206. He is a project engineer with Texas Instruments.

James D. and Elaine Oursler have moved to 764 Dezso Drive, Alvin, TX 77511. Jim is now an engineer in research and development with Hughes Tool Division in Houston.

Jeffrey and Patricia Sheets have moved to 2100 Tanglewilde, No. 91, Houston, TX 77063. Jeff is now a process engineer with Phillips Petroleum Co.

Michael J. and Carol (Potzmann) Smith are living at Apt. A-1, 127 E. Hines Place, Peoria, IL 61614. Mike is a design engineer at Caterpillar's Engine Division. Carol is a computing engineer at Caterpillar's Technical Center.

Kevin and Tandie Van Meale now live at 7038 Woodson, Raytown, MO 64133. Kevin is a project engineer with Grasis Corp., in Kansas City, Mo.

Linda Sue Andrews/Williams now spends her time taking care of her new baby girl who was born on October 1, 1981. Linda Sue, Mark and their new baby have moved to 806½ Valmont St., New Orleans, LA 70115.

1981

Bartholomew P. Angeli has accepted a position as an assistant engineer with Union Electric. He now lives at 8954 Laclede Station Road, St. Louis, MO 63123.

Edward T. Austin has moved to 401 N. A St., Arkansas City, KS 67005. Ed is now an engineer with Halliburton Services in Winfield, Kan.



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Richard A. Blatz is a process design engineer with Monsanto Co., in St. Louis. His address is 1372 Glenwood Drive, Columbia, IL 62236.

Brian and April Bradway have moved to 4000 Weeks Lane, No. 125, Wichita Falls, TX 76308. Brian is a field service engineer with Welx.

Jimmy D. Camp is now a civil/structural engineer with Cabot Corp., in St. Louis. Jimmy and Katrina live at 1068 Drexel, St. Charles, MO 63301.

Harold L. Chappell has been promoted to captain in the US Army. He is stationed at Headquarters & Headquarters Co., 3rd Battalion, Engineer Training Brigade, Fort Belvoir, Va. Harold and Barbara have moved to 1632B York Road, Fort Belvoir, VA 22060.

John Robert Cramer lives at No. 27 Huffman's Trailer Court, Rolla, MO 65401. John is a graduate student at UMR.

Amy S. (McDaniel) Cothorn has a new position as junior engineer with IBM in Boulder, Colo. Amy and Charles now live at 1069 E. 9th Ave., No. 302, Broomfield, CO 80020.

George and Rebecca (Beard) Detrick have moved to 501 West 1st, Coffeyville, KS 67337. George is a metallurgical engineer with Funk Manufacturing/Cooper Industries.

Curtis L. Dowdy is a development engineer for Hewlett-Packard in Sunnyvale, Calif. He lives at 10449 Colby Ave., Cupertino, CA 95014.

Robert Gregory Downing received his Ph.D. in chemistry at UMR in December. He has accepted a national research council post doctorate award for work to be performed at National Bureau of Standards. Bob now lives at 37 Long Meadow, Gaithersburg, MD 20760.

Alumni Personals

1981 (Cont.)

Jim Drake has moved to 7212 Hatteras Lane, Apt. 1A, Indianapolis, IN 46224. Jim has a new position as an engineer with union Carbide/Coatings Service.

Teddy P. Eads has accepted a position as an engineer with General Electric Co. Teddy has moved to 2380 Lucretia Ave., Apt. No. 2, San Jose, CA 95122.

Barry R. Eikmann has accepted a position as an engineer with Illinois Power Co. He now lives at 3868 Camelot Drive, Apt. 3H, Decatur, IL 62526.

Kathrine Fitzgerald is now a technical applications programmer for Phillips Petroleum Co. Kathrine and Michael live at 1100 SE Madison, Apt. 803, Bartlesville, OK 74003.

Gerald L (Jerry) Frederick has accepted a position as sales development trainee with Caterpillar Tractor Co. Jerry now lives at 4010 N. War Memorial Drive, Apt. No. 815, Peoria, IL 61614.

Alissa M. Gallagher lives at 619 W. Lockwood, St. Louis, MO 63119. Alissa is a supervisor at Proctor and Gamble.

Shellie K. Grooters has moved to 4905-13 Central Ave., Charlotte, NC 28205. Shellie has accepted a position as a programmer with IBM.

Diane C. Hassenplug is a field engineer with Schlumberger Well Services. Diane's address is Box 25, Weldon Road, Houma, LA 70360.

Tom Hayes has accepted a position as a process supervisor with Cargill. Tom now lives at 3346 Hickory Hollow, Memphis, TN 38115.

Jeffrey D. Helzer has accepted a position as an electrical engineer with Oklahoma Gas & Electric. Jeff and Beverly have moved to No. 111, 2021 Fourth Ave. N.W., Ardmore, OK 73401.

Robert J. Hoffmann lives at No. 6 Ridgemoor, St. Louis, MO 63105. He is now employed by Proctor & Gamble in Cincinnati, Ohio.

Mark Stephen Huck has a new position as assistant planning engineer with Burns & McDonnell. Mark has moved to 10720 Fremont, Kansas City, MO 64134.

Richard A. Johnson is a director at General Telephone and Electronics in Stamford, Conn. Richard and Carolyn live at 205 Mile Common, Easton, CT 06612.

Patrick G. Kelly, '81, and Annette L. LeCrone, '81, were married Jan. 9, 1982, and have moved to 3155 Summerfield Lane, Apt. No. 103, Florissant, MO 63033. Pat is an industrial engineer with Olin Brass in East Alton, Ill. Ann is a quality engineer with McDonnell Douglas in St. Louis.

Mary S. Klorer is a process engineer with Ralston Purina. She lives at 149 N. Elizabeth, St. Louis, MO 63135.

Robert A. Kruse, Jr. has accepted a position as a "salaried employee in training" with the Buick Division of GMC in Flint, Mich. Bob now lives at 14136 Eastview Drive, Fenton, MI 48430.

Robert C. Kuhlmann lives at 731 Zeiss Ave., St. Louis, MO 63125. He is an associate engineer with McDonnell Douglas.

Stephen, '79, and Elizabeth (Frick, '81) Lang, have moved to 4607 Overland NE, Albuquerque, NM 87109. Steve is now with Santa Fe Mining Inc., as a mining engineer in planning.

Colleen T. Lynch sends this note: "In June 1981, I started working for Amerada-Hess Corp., in Tulsa as a geophysicist in West Texas exploration area." Colleen lives at 2014-B East 51st St., Tulsa, OK 74105.

Patrick Martin is currently a process engineer with AVX Ceramics. His address is Highway 137, Box 329, Myrtle Beach, SC 29577.

William and Joyce Mason live at 612 Marcel Drive, Manchester, MO 63011. He is an assistant professor at St. Louis Community College.

Barry and Mary ('81) McLaughlin live at 1218 E. 117th St., Kansas City, MO 64131. Barry is an associate engineer with Bendix, and Mary is an engineer I with Black & Veatch in Overland Park, Kan.

Kevin Miller has been promoted to technical manager for the ESCO Newton plant. Kevin lives at 4325 S.W. 94th Ave., No. 1, Portland, OR 97225.

David S. Mueller lives at 15th & Pine, Town & Campus I, Apt. E, Rolla, MO 65401. He is a graduate assistant and student at UMR.

A. L. and Sridevi Murthy have moved to 22, S.P. Sanadhi St., Royapettah, Madras-600014, India.

Michael and Kerrinda Petersen have moved to 2154 E. Oklahoma Place, Tulsa, OK 74110. Mike is now an associate programmer analyst with Standard Oil of Indiana.

Ronald Prichard resides at 8400 Blankenship St., Apt. 601, Alexandria, VA 22309. Ronald is a captain in the U.S. Army stationed at Fort Belvoir, Va.

Daryl C. and Barbara Quinn now live at 11000 Burlington, Apt. 406, Southgate, MI 48195. Daryl is an engineer with Allied Chemical Co., in Detroit.

John W. Renz and Yvonne P. Turenne, '81, write to let us know that they will be wed on January 2nd in St. Louis. John is a process engineer at Owens Corning Fiberglas in Kansas City, Kan. The couple will make their home at 7714 Halsey, Apt. 5R, Shawnee Mission, KS 66216.

Michael E. Schmidt lives at 1636 S. 121st St., Tacoma, WA 98444.

Pete Sedovic has accepted a position as an electrical engineer with McDonnell Astronautics in St. Louis. Pete lives at 1201 O'Day Road, Rock Hill, MO 63119.

Richard Slackman lives at 329 N. 40th St., Belleville, IL 62223. He is a computer programmer for the St. Louis Board of Education.

Ernest Smoot Jr. has moved to 908 W. 6th St., Port Arthur, TX 77640. Ernest is now employed by Gulf Oil Co., in U.S.

Elizabeth A. Spencer lives at 1800 El Paseo, No. 2008, Houston, TX 77054. Beth is now a process metallurgist with Beaumont Well Works.

Steven G. Swanback has accepted a position as an environmental engineer with John Carollo Engineers in Walnut Creek, Calif. Steve has moved to 1441 Detroit Ave., Apt. 233, Concord, CA 90046.

Greg Thrasher has moved to 610-R Blandy Ave., Ridgecrest, CA 93555. Greg is now an electronic engineer for Naval Weapons.

Jon P. Tice Jr. has a position as a mine engineer with Teledyne Tungsten. Jon now lives at 4709 N. El Capitan, Ste. 109, Fresno, CA 93711.

James M. Turner has a new position as senior systems analyst at the UMR Computer Center. Jim's address is Route 6, Box 189, Rolla, MO 65401.

Brian L. Wagner has a new position as a technical assistant, with Inland Steel in E. Chicago, Ind. Brian has moved to 1215 35th St., Apt. H, Griffith, IN 46319.

Michael A. Walvoord has moved to 1609 Washington S.E., Bartlesville, OK 74003. Mike has a new position as a technical service representative for Phillips Petroleum.

Jeruld P. Weiland lives at 501½ E. 7th St., Rolla, MO 65401. He is a graduate student in engineering management.

Roy and Rebecca (Corlew, '79) Wingfield have moved to 614 E. 22nd St., Anniston, AL 36201. Roy is a design engineer with the U.S. Army at Fort McClellan, Ala., and Rebecca is chief of buildings and structures for the Department of Facilities Engineering at Fort McClellan.

R. Michael Wrob Jr. lives at 483 Tree Top, Des Peres, MO 63122. Mike is an assistant engineer with Union Electric Co., in St. Louis.

Dorothy H. L. Yu is now a graduate student at Purdue University. She has moved to 2601 Soilders Home Road, Apt. 82, West Lafayette, IN 47906.



1981 Rollamo

MSM-UMR Alumni Association

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

OFFICERS

			Term Expires
President	Robert D. Bay, '49	Black & Veatch; 1500 Meadow Lake Parkway Kansas City, MO 64114	1982
President Elect	Lawrence A. Spanier, '50	5 Pettit Drive Dix Hills, NY 11746	1982
Vice President	Frank C. Appleyard, '37	P.O. Box 1991 Tubac, AZ 85640	1982
Vice President	Arthur G. Baebler, '55	20 Fox Meadows Sunset Hills, MO 63127	1982
Vice President	Alfred J. Buescher, '64	624 Golfview Dr. Ballwin, MO 63011	1982
Vice President	James B. McGrath, '49	12425 Balwyck Lane St. Louis, MO 63131	1982
Secretary	Robert V. Wolf, '51	Dept. of Metallurgical & Nuclear Engr. UMR, Rolla, MO 65401	1982
Treasurer	Vernon T. Loesing, '42	Dept. of Civil Engr. UMR, Rolla, MO 65401	1982

DIRECTORS AT LARGE

			Term Expires
James D. Gostin, '44	180 Mt. Olive Drive, Bradbury, CA 91010		1982
Robert P. Schafer, '52	4426 Mill Creek Road, Dallas, TX 75234		1983
Gerald L. Stevenson, '59	511 N. Main St., Chagrin Falls, OH 44022		1984
Ronald A. Tappmeyer, '47	2226 Country Club Drive, Sugar Land, TX 77478		1984
John B. Toomey, '49	7412 Admiral Dr., Alexandria, VA 22307		1983
Armin J. Tucker, '40	6464 Overlook Drive, Alexandria, VA 22312		1982

Area Zip

Code Numbers

AREA DIRECTORS

Term Expires

00-14	Raymond T. Ruenheck, '50	7 Montevue, Chelmsford, MA 01824	1983
15-21	Robert C. Perry, '49	1216 Minnesota Ave., Natrona Hts., PA 15065	1983
22-34	Wayne R. Broadus, Jr., '55	405 Esther Drive, Dalton, GA 30720	1982
35-45	William D. Busch, '42	20001 Idlewood Trail, Cleveland, OH 44136	1983
46-59	George Baumgartner, '56	2120 Syracuse, Dearborn, MI 48127	1984
60-61	Allen G. Behring, '66	121 E. Witchwood Lane, Lake Bluff, IL 60044	1982
62-62	Ernst Weinel, '44	1502 West 50, O'Fallon, IL 62629	1984
63-65	Matteo A. Coco, '66	7115 Aliceton Ave., St. Louis, MO 63123	1984
63-65	Harold R. Crane, '53	480 Country Club Drive, Hannibal, MO 63401	1983
63-65	Martha Gerig, '69	801 Fairground Road, Rolla, MO 65401	1984
63-65	Harold A. Krueger, '42	Ozark Lead Co., Rural Branch, Sweetwater, MO 63680	1982
63-65	Paul R. Munger, '58	Director Institute of River Studies, UMR, Rolla, MO 65401	1984
63-65	J.L. "Jack" Painter, '50	2123 Sunset Drive, Poplar Bluff, MO 63901	1982
63-65	J. Robert Patterson, '54	Show-Me, Inc., P.O. Box 573, Sikeston, MO 63367	1984
63-65	Kenneth D. Pohlig, '64	2 Vienne Court, Lake St. Louis, MO 63367	1983
63-65	Robert E. Vansant, '51	435 E. 55 Street, Kansas City, MO 64110	1983
63-65	C. M. Wattenbarger, '41	205 W. First St. Terrace, Lamar, MO 64759	1984
66-74	David D. Kick, '57	4915 S. Lakewood Dr., Tulsa, OK 74135	1982
75-79	Rex Alford, '40	5743 Jason, Houston, TX 77096	1982
80-89	& 96-99 Victor J. Hoffmann, '60	31057 E. Lake Morton Dr., S.E. Kent, WA 98031	1983
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