A considerable effort has been made in the past year to bring our file of alumni addresses up-to-date. Many of you have cooperated by notifying us of your current addresses and company affiliations. As a result, we are again able to present a directory of departmental alumni and thus accomplish one of the primary objectives of this publication. We hope you will find this directory useful and interesting in establishing and maintaining contact with former classmates. It is unavoidable that some of the information contained in the directory may not be accurate.

We would greatly appreciate receiving any corrections you may note regarding your own listing or that of another alumnus with whom you may be acquainted. Some names are listed for which we have no reliable address at all. These are included in the hope that someone may be able to provide us with some of this missing information.

Your continued cooperation is further enlisted in helping us keep our records correct by dropping a card to the departmental office when you have a change of business or home address.

Alsetter and Schroder Join Met Staff

The staff in physical metallurgy has increased by the addition of two new men this September. Dr. Carl J. Alsetter was appointed Assistant Professor, and has assumed teaching duties including the service course for electrical engineers and our graduate course in thermodynamics. Carl obtained his B.S. in metallurgy from the Univ. of Cincinnati, his M.S. from Illinois Institute of Technology, and recently completed work for his Sc.D. in metallurgy from M.I.T. His thesis research at M.I.T. was concerned with tempering phenomena in steels, and he plans to continue research in this general area here at Illinois. Carl and his wife, Nadja, became parents of a baby boy, Gregory, just recently, and are now receiving unsolicited advice on child care from the rest of the staff.

Dr. Klaus Schroder received an appointment as research associate, and is working with Paul Beck’s group on an Air Force project studying the alloying behavior of the transition elements. In the course of this study, Klaus plans to construct a cryostat for X-ray diffraction work at liquid helium temperatures. Klaus is a native of Germany, and received his degree from the University of Gottingen in physics. Klaus came to Illinois by way of Australia where he spent two years at the University of Melbourne conducting work on arsenical copper. Dr. Schroder’s wife is still in Germany but expects to join her husband here in the near future.

ANNUAL OPEN HOUSE TO BE MARCH 13-14

In past years, alumni have found the annual Engineering Open House weekend an interesting time to visit the campus. Many have found this an appropriate opportunity to show the campus to their son, or some promising high school student. The exhibits are particularly designed to create an interest in engineering in young students. Mark your calendar now for March 13 and 14, the date of this year’s exhibit, and plan to bring some prospective engineering student to this display of engineering phenomena.

Profs. Marvin Wayman and George Eadie are the faculty representatives in over-all charge of our departmental displays. They would welcome the offer of any particularly interesting exhibits your company might be willing to loan for this occasion.

Students Make Plant Visits

On December 11, 1958, Prof. George Eadie took five undergraduate mining engineering students to visit the Old Ben Coal Corporation properties located in Benton, Illinois. Their guide for the tour was Mr. J. E. Tisdale (’55), Production Engineer. After the underground trip through Mine No. 9, the group was taken through the main office where Mr. A. J. Webster (’49), Preparation Engineer, discussed coal cleaning techniques at Old Ben. Mr. O. D. McDaniel (’54) and Mr. J. R. Jones (’50) talked about the newly established Department of Production Engineering which is headed by Mr. McDaniel. Another department alumnus with Old Ben is Mr. F. G. Padavik (’50), who is Superintendent of Mine No. 21.

About forty metallurgy undergraduates visited Gary Steel Mill and were guests of the Chicago Section, AIME at their November meeting as part of the Section’s annual Student Night. Illinois had the largest representation of any of the other schools attending this annual event.

The former College of Engineering requirement of an annual inspection trip has been discontinued this year, as many department enrollments are so large visits were difficult to arrange. We hope to continue to give students the opportunity for industrial visits by planning trips such as the ones described above.

MINING SCHOLARSHIPS

Seven mining engineering scholarships, each with a stipend of $500 per year were awarded to undergraduate students this year. The Illinois Mining Institute, which awarded three scholarships this year, will add another next year. The Old Ben Coal Corporation supported two scholarships this year and will increase this number to four over the next two years. The Storefort Corporation and the Sahara Coal Company each supported one scholarship.
ON ENGINEERS and THEIR EDUCATION

Faithful readers of the News Letter know from the many discussions of course and curriculum changes in the past issues that our curriculum is under constant examination and subject to frequent changes to improve the quality of our course offerings. This policy does not win us popularity awards with those in the Dean's Office responsible for checking student graduation requirements, but we feel constant reevaluation of the curriculum is the only way we can maintain highest standards of student preparation in our dynamic area of science and engineering.

Current staff discussions of effective educational policy have developed many comments that we feel might be interesting to you. Prof. Robb Thomson presents his thoughts on this subject in this issue; other staff members' ideas will be included in subsequent issues. We are particularly interested in, and earnestly solicit, any contributions you might have to these discussions; certainly no evaluation of the curriculum can be complete without the reactions of its products.

It has seemed to me that much of the discussion about our curriculum really has its roots in what each of us thinks the final engineer is or should be. So for some time, I have been trying to find in my own mind some kind of operating definition of a metallurgical engineer.

It seems to me that the essential point about the engineer is that he is a middle man between the pure scientist on the one hand and the production man on the other. Society has gradually learned that the abstract scientist's motivation is and has to remain strictly an intellectual one. On the other hand, applied science, or engineering is society's answer to this claim that the pure scientist cannot be primarily concerned with the practical implications of his efforts. Applied science is then the means by which basic science is abstracted from its intellectual framework and materialized on a different plane.

Some comments are in order to point up the similarities and differences between the way an engineer and pure scientist attack a problem. It would seem to me that the most important thing an engineer possesses is a sure fire intuition, and that the engineer's view of the world should be that the real world can always be restructured in the shape of a laboratory sized wooden model. And indeed, when the engineer looks at the physical world, he really sees the model world in his mind: Of course, the model world is really a world of relationships.

I believe that the thinking of the engineer and that of the scientist do not differ in kind or quality, but rather in quantity. The pure scientist always wants to push his model world further and further to see under what conditions its similarity to the real world breaks down, while the engineer instead constructs a somewhat cruder model, but one which approximates to a wider sector of his experience.

There is one other point to be made in this connection, and I think it points out the true role of the engineer. The pure scientist does not ever hope eventually to explain all nature in terms of a small number of postulates, or at least he does not expect to be able to carry out the actual calculations! His goal instead is to be able to understand nature only in principle, to know the nature of the basic processes, but not the details of all the myriad and complicated ways in which the basic processes interact with each other. In applied research, however, the properties of "real" materials are studied and an attempt is made to understand them somewhat less rigorously, but using the principles suggested by the purist. Obviously the best engineering research and development is a judicious and intuitive mixture of empirical search and application of principle, but engineering research without the guidance of principles is extremely expensive, and can be entirely fruitless.

An excellent example of the role of principle in applied research is supplied by the applied work on alloys. The solid state physicist and research metallurgist will probably never interest themselves with the properties of practical alloys, and they will most certainly never be in a position to actually calculate the properties of any given alloy from first principles. On the other hand, they are very much concerned with the principles of what happens to the band structure of pure metals when impurities are added. Metallurgists owe a great debt to the Jones theory of alloys which was published in the mid thirties, because it has supplied them with a mode of thinking and a system of principles which have underlain a quarter century of applied research on alloys. There is every reason for thinking that as fundamental research continues to elucidate the general ideas of alloy band structure, the engineer will find these ideas of great value for his own practical alloy problems.

The educational conclusion I think one must draw from a discussion of this sort is that an engineering metallurgy curriculum should be sufficiently broad to suit the student to his essential role as a flexible middle man. Above all, the student should learn to understand his relationship to the pure scientist on the one side and to the factory on the other. In short, the engineer's education should be anything but a narrowing experience, and I find this is the most important conclusion to be drawn. It is obvious that there is a proper balance to be struck between instruction in practical courses and in fundamental courses. The fundamental courses give the student flexibility and the ability to adapt to the developments that are sure to come, while the practical course's role is obvious, since the student is after all to become an engineer.
1936
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1937
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Oehler, Harlan E. (Culligan Zeolite Co.), 1254 25th Street, San Bernardino, Calif.
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Sherman, J. W. (St. Joseph Lead Co.), Box 6, Heraculaneum, Mo.
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Toft, Leonard (Columbia-Geneva Steel Div.), 691 S. Cherry Dr., Orem, Utah

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Butler, Paul L.
Davis, David K. (H. K. Porter Co., Riverside-Alloy Metal Div.), 22 S. Shirley Ave., Moorestown, New Jersey
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Hafner, R. H. 175 N. Linden Rd., Mansfield, Ohio
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Weitzel, J. S.

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Furkert, Paul A.
Gippert, Leroy E.
Halley, Robert William (General Electric Co., Tungsten Rd., Cleveland), Grandview Dr., Cleveland, Ohio
Heckman, George R.
Hino, Jun (Westinghouse Electric Corp., Bettis Plant), 6159 Dalmatin Dr., Bethel Park, Pa.
Jaeger, Robert Oscar (Fansteel Met. Company), 512 See-Grown Avenue, Mt. Prospect, Ill.
Landbeck, Louis William (Westinghouse Electric Corp.), R. R. No. 4, Lima, Ohio
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Martin, Sol Stuart, 4917 N. Springfield, Chicago, Ill.
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Murphy, Maurice E.
Reynolds, Richard William (Heavy Machinery Co., Hazel Crest, Ill.), 1-7306 Bryant Lane, Hazel Crest, Ill.
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Ubbe, James E., 110 Park Ave., Pekin, Ill.

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Anderson, Arthur Edwin (1665 Turf Lane, Paddock Hills, Florissant, Missouri)
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Bohlen, Paul Herbert, 3615 W. 212th Place, Matteson, Ill.
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Gillan, John Howard (J. T. Ryerson & Son, Inc., 65th & Holli Emeryville, Calif.)
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Dedinas, John Anton (Allis Chalmers Mfg. Co.), 30140 S. 124th St., Milwaukee 14, Wis.
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Hailey, James Donald (Owens-Illinois Glass Co.), 124 Rockingham St., Toledo 10, Ohio
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Matter, Robert Curtis, 909 22nd St., Rock Island, Ill.
Maurer, Harman J. (American Tractor Corp., Churbusco, Ind.), 1325 Pemberton Drive, Ft. Wayne, Ind.
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Richhart, Edward Everett, 320 W. Morgan, Dixon, Ill.
Roston, Phillip
Rough, Frank Albert (Battelle Memorial Institute), 1767 Bedford Rd., Columbus 12, Ohio
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Simpson, Gustavas Sailer, Jr. (Battelle Memorial Institute), 465 Loveman, Worthington, Ohio
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Walter, R. C.

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Gaines, Joseph Allen (The Frederick Post Co.), 518 Roscoe, Chicago, Ill.
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Likens, William H. (Huckair Sales Co., 1700 Walnut, Philadelphia, Pa.)
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1946

Bohl, Robert Walter (Univ. of Ill.), 2014 George Huff Dr., Urbana, Ill.
Cathcart, Frank M.
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Brost, Daniel Robert (Youngstown Sheet & Tube E. Chicago, Ind.)
DeWitt, Richard Rollin (Microcast Div., Aultman Laboratories, Inc.), 136 Hemlock St., Park Forest, Ill.
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Moore, Eldon B., R. R. 3, Taylorsville, Ill.
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Klitm, Edmund Joseph (Armour Research Foundation), 1127 W. 123rd St., Chicago 43, Ill.
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Rayner, Jack Milton, 106 Elaine Rd., Milford, Conn.
Russell, Lawrence Rae (Haynes Steelite Company, Kokomo, Indiana)
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Schwetz, Eugene John, 1211 E. Roosevelt, Phoenix, Arizona
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Bennett, Richard D., 1100 N. McLeansboro St., Benton, Ill.
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Ziegler, Paul E.

1953
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Scherer, John George (The Dow Chemical Co., Madison, Illinois), 2306 Lynch Avenue, Granite City, Ill.

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**1954**

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Boenitz, Maurice Jo (General Electric Co.), 64-Winter St., Somersworth, N. Hampshire

Bott, Walter Thomas (Caterpillar Tractor Co.), 1733 S. Washington, Danville, Ill.

Coale, Martin Cecil, 206 Herbert, Carmi, Ill.

Couts, Wilford Herschel (General Electric Co., Jet Engine Dept.), Apt. No. 2, 2302 Westwood-Northern, Cincinnati 25, Ohio

Dyrefield, Robert Lewis, 401 West Elm Ave., LaGrange, Ill.

Haarbye, Fredrik Olaf (Bridgeport Brass Co.), 402 N. Tibbs Ave., Indianapolis, Ind.

Jones, Gilbert Arthur (Wisconsin Steel Works), 10389 E. 91st St., Chicago 17, Ill.

Ligget, Dee Lyle, Glasford, Illinois

Markow, Lew Walther (Western Electric), 1702 Harrison Avenue, Beloit, Wis.

Ross, Ray R.


**1955**

Bennett, Ralph Ervin, 3534 N. McVicker, Chicago, Ill.

Friedman, Howard (Armour Research Foundation), 5345 N. Bernard St., Chicago 25, Ill.

Gegel, Harold Louis, 508 N. Main St., Marissa, Ill.

Huschke, Earnst George, 2101 Cuyler Ave., Chicago, Ill.

Kay, Robert Cyril (Univ. of Kansas), 6303 Agnes St., Kansas City 30, Mo.

Kimball, Orville Fred (Knolls Atomic Power Lab.), 1069 Pleasant St., Schenectady, New York

Kish, Andrew James, Route No. 1, Warsaw, Ill.

Klein, Albert Joseph (American Can Co.), 3842 S. May St., Chicago, Ill.

Meindl, Ronald Charles (Caterpillar Tractor Co.), Potovsky, Ira Nathan (Federated Metals Co.), 6040 N. Winthrop, Chicago, Ill.

Robinson, Gerald Joseph (Real Estate Operator), 6471 Ridge Ave., Cincinnati 13, Ohio

Slutsky, Lawrence Myron (Revere Brass), 8528 S. Wabash, Chicago, Ill.

Wells, Robert Reid (Caterpillar Tractor Co.), 611 Jackson, Peoria, Ill.

Wishart, John William (U. S. Steel, Gary Sheet and Plate Mill), 5440 Fillmore St., Gary, Ind.

Zeman, Kenneth Paul, 7340 Stewart Ave., Chicago, Ill.

**1956**

Albertin, Leopold, 2708 N. 76th Ct., Elmwood Park 35, Ill.

Audiffred, William Bruce, 2665 South St. S. E., Warren, Ohio

Batista, Roy Irvin (Lockheed Aircraft Corp.), 14001 Riverside Dr., Sherman Oaks, Calif.

Bartschi, Charles W. (Locomotive Finished Material Co., Atchison, Kan.)


Carlson, Earl A.

Diesner, Roy William, 246 Bryant Ave., Glen Ellyn, Ill.

Emmett, Joseph Francis (Univ. of Illinois), K 33 C Stadium Terr., Champaign, Ill.

Gedwill, Michael Anthony (Batelle Memorial Inst.), 867 Lenore Ave., Columbus 24, Ohio

Haley, George Dennis, 4243 Shroyer Rd., Apt. No. 4, Dayton 29, Ohio

Harris, Thomas Lee, Matherville, Ill.

Moberg, Duane V. (Northrop Aircraft Inc., 1001 E. Broadway, Hawthorne, California)

Myles, Kevin M. (Argonne National Lab.), 906 63rd St., Downers Grove, Ill.

Polek, Leonard George, 5141 S. 7th, LaGrange, Ill.

Robinson, Charles Archibald (Sun Oil Co., Marcus Hook, Pa.), B-84 A-6, Clifton Park Manor, Wilmington 2, Dela.

Savage, Howard, 814 High St., Willow Springs, Ill.

Sayles, John Henry (LINDBERG ENGINEERING Co.), 1252 Brown St., Des Plaines, Ill.

Stalter, Paul Joseph, 1326 N. Main St., Pontiac, Ill.

Sullenger, Gene W.


**1957**

Becker, William Theodore (Univ. of Ill.), 706 S. Prairie, Champaign, Ill.

Biebler, Dean Irving, 1207 Broadway St., Lincoln, Ill.

Birkle, Adolph John, 1916 Waveland Ave., Chicago 13, Ill.

Boone, Donald H. (Univ. of Illinois), J65-A Stat., Champaign, Ill.

Dvorak, Charles (Douglas Aircraft Co., 3300 Ocean Pk. Blvd., Santa Monica, California)

Falck, F. Richard (Ingersoll-Kalamaizo), 2825 Springmont Ave., Kalamazoo, Mich.

Foster, Joseph Edward (American Society for Metals), 18616 Van Aken Blvd., Shaker Heights 20, Ohio

Fox, Marion Melvin, Gifford, Ill.

Getz, Ralph Wayne (Batelle Memorial Institute), 367 West Ninth Avenue, Columbus 1, Ohio

Grissaff, Salvatore John, Jr. (U. S. Air Force), 914 S. Spring, LaGrange, Ill.

Haarr, Allen Peter (Aluminum Co. of America, New Kensington, Penn.)

Jacobs, Lyle Richard (Link-Belt Company), 6633 N. Newgard, Chicago, III.

Jainski, Robert Frank (Northwestern Univ.), 1811 N. Lowell, Chicago 39, Ill.

Johnson, Raymond E.

Kizer, Donald Edward (Batelle Research Lab.), 855 Wedgewood Dr. Apt. 6, Columbus 15, Ohio

Koucky, John Richard, 178 Garfield Ave., Elmhurst, Ill.

Leeming, Wilson, 306 Lincoln St., Glenview, Ill.

Melville, Al George, 123 N. Victory St., Waukegan, Ill.

Nyleen, Ronald John, 8149 Ellis Avenue, Chicago 19, Ill.

Toscano, Hugo (Intercol, Barranca Bremarca, Colombia, S. A.), Avenue 4, No. 39B, (El Rosario)

Walton, Thomas Milford (Caterpillar Tractor Co.), Peoria, Ill., Illinois

Weinstein, Daniel (Armour Research Foundation), 1851 N. Humboldt, Chicago 47, Ill.

Woodward, Donald Clark (Union Carbide Co.), 216 N. Purdue Apt. 106, Oak Ridge, Tenn.

**1958**

Beaman, Donald Robert (Inland Steel), 6447 Alexander Ave., Hammond, Ind.

Berg, Roger Lee, 111 Eldridge Rd., Islip, New York

George, Francis Alan (Caterpillar Tractor), 208 Devonshire Rd., Washington, III.

Haimbaugh, Richard Edward, R.R. No. 3, Woodstock, III.

Hanafee, James Eugene (Univ. of Ill.), 1205 W. Clark, Champaign, Ill.

B.S. IN MINING

1912
Rossbach, E. J.
Voight, A. L. (Trotter Water Co., Uniontown, Pa.)

1913
Becker, Morris L.
Middleton, W. S.
Smith, C. W.

1914
Housman, J. S., 449 N. Main, Canton, Ill.
Stafford, H. S.

1915
Perry, Ralph G. (Corp. of Engrs.), 2133 Ridge Ave., Evanston, Ill.
Silkman, J. M.
Strong, R. A.

1916
Allen, Ernest V., 405 E. 6th St., Pana, Ill.
Lu, Chi T.

1917
Fraser, Thomas, 1714 New Hampshire Ave. N. W., Washington 9, D. C.
Johns, Donald C., 2451 E. Vina del Mar Blvd., Pass-a-Grille, St., St. Petersburg 6, Fla.
Porter, H. H.
Reed, Maurice J. (Soony Mobil Oil Co. Inc.), English Village, Cranford, N. J.
Teixeira, E. A.

1918
Matoba, Geo. H.
Westenheimer, John L.

1920
Craney, Martin (Attorney, 176 W. Adams St., Chicago 3, Ill.), 606 Greenleaf Ave., Glencoe, Ill.
Fitzpatrick, James C.
Mckinsey, David K., 497 Mesa Rd., Santa Monica, Calif.
Smith, Cloyd M., 2500 24th St. N., Arlington 7, Va.
Wallage, S. T., 413 Westgate Dr., Corpus Christi, Texas

1921
Stamberg, Frank E. (Southern Illinois Univ.), Route No. 1-Makanda, Ill.
Wilten, H. M. (The Texas Co., Port Arthur, Texas), 4600 Alamoosa St., Port Arthur, Texas
Wormley, L. E.

1922
Allison, Everett H., 1507 Chest Drive, Lake Worth, Fla.
Buchanan, Gordon, Jr. (Old Ben Coal Corp.), 68 Ridge Rd., Highland Park, Ill.
Cothern, Leland L. (Jewell Ridge Coal Co.), Box 85, Tazewell, Va.
Dencer, Frederick A., 3457 Custer St., Cincinnati, Ohio
Eckart, Harold C., Box 208, Saranac Lake, New York
Johnson, Hjalmar W. (30 West Monroe St., Chicago), 7000 South Shore Drive, Chicago, Ill.
Lindley, Bertrand H. (Mississippi River Commission, Vicksburg), 3200 Washington St., Vicksburg, Miss.

1923
Machamer, Jerome E. (Oliver Iron Mining Co.), 131 Hawthorne Rd., Duluth 5, Minn.
Merz, Russell A.
Rausch, Herbert L., 721 N. Hermsol Pl., Albuquerque, N. M.

1924
Capouc, Myron E. (Amer. Steel and Wire Div., U. S. Steel), 276 Country Club Blvd., Rocky River, Ohio
Carpenter, Erasmus F., Epping, North Dakota
Comstock, John A.
Fagerburg, Rudolph E.
Ferrone, Perry N. (St. Joseph Lead Co., Bonne Terre, Missouri), 8 Church St., Riverines, Mo.
Jackson, Walter H. (State Highway Division, Webster Grove, Missouri), 3 Pitman Place, Kirkwood 22, Mo.
Jessing, Harry
Mahmood, Syed
Sanford, R. S.

1925
Banno, T., c/o Mitusi Kawakami Coal Mines, Kawakami-Tangan, Karafuto, Japan
Beard, B. L. (St. Joseph Lead Co.), Herculaneum, Mo.
Dodge, Chas. H.
Hsieh, Surgeon
Johnson, Robert E., Jr. (Consulting Engineer), 90 Gregory Ave., West Orange, N. J.
Lubelsky, Benjamin
McMillen, James W. (Owner Concrete Products), 581 Parkway, Antioch, Ill.
Moses, Leslie A.
Settsnky, Jerry H. (Consulting Engineer), 1911 Brookview Drive, Saratoga, Calif.
Smith, Gilbert Lee (Goodman Manufacturing Co.), 8621 South Vernon Avenue, Chicago 19, Ill.
Tolch, N. A. (Aberdeen Proving Ground), 102 Law St., Aberdeen, Md.
Widener, J. C., 908 Kevin Rd., Baltimore 29, Md.

1926
Blair, James A.
Bremer, Edwin, (The Foundry, Penton Bldg., Cleveland 13, Ohio), 1624 Lauderdale, Lakewood 7, Ohio
Butters, Howard E. (Joy Manufacturing Co.), 223 Elmwood Rd., Cleveland 16, Ohio
Cowan, Don M. (County Engineer), 226 E. 21st N. W., Miami, Okla.
Fleming, Russell C., 2723 Dumbarton Ave., Washington, D. C.
Koenen, Albert T.
Moitra, M. N.
Morris, George E. (c-o Chile Exploration Co., Chuquicamata, Chile)
Murton, Arthur E. (Blaw Knox Co.), 2076 Outlook Drive, Pittsburgh 34, Pa.
Schafer, J. W., 1420 Park Ridge Blvd., Park Ridge, Ill.
1926

Borror, Charles D., 104 Coulston, Asbestos, Quebec, Canada
Martin, Edmund R., 3444 Prairie Ave., Chicago, Ill.
Stephens, Charles J., P. O. Box 120, DuQuoin, Ill.
Vollz, L. S. (Franklin County Coal Corp., Royalton, Ill.)
Wai, Hai-Shou

1927

Buchanan, Donald P. (Old Ben Coal Corp.), 390
Hawthorn Lane, Winnetka, Ill.
Hartman, L. M. (Central Power and Light Co.), 302 Corintha St., Corpus Christi, Texas
Koropp, Karl Henry
Lager, Raymond E. (Owens-Illinois Glass Co.), 326 E. Harrison St., Maumee, Ohio
Miller, Fred H.
Young, L. R.

1928

Bottomley, Edward J. (Centralia Petroleum Co.), 1222 North First Boonville, Ind.
Cooney, Edwin W. (Joy Mfg. Co.), P. O. Box 313, Claremont, N. H.
Lindsay, William L. (Socony-Mobil Oil Co., Inc.), 1201 N. Berry Road, Glendale 19, Mo.
Melvin, Byron H. Weldon, Ill.
Swain, Franklin (Golden Foundry Co.), 2525 Sycamore St., Columbus, Ind.
Young, George C. (E. I. du Pont de Nemours Co.), 146 Rae Ave., Pittsburgh 16, Pa.

1929


1930

Bottomley, J. Arthur (Saahara Coal Co.), 1305 S. Webster, Harisburg, Ill.
Wojtanowicz, Francis C. (Material Service Corp., 300 W. Washington St., Chicago, Ill.)

1931

Adams, Horace M. (Midland Electric Coal Corp.), 303 E. Wells, Geneseo, Ill.
Worooshiff, L. A.

1932

Raymond, Robert L. (American Zinc Co. of Ill.), 409 Merrell Ave., Collinsville, Ill.
Round, Oliver H.
Wang, C.

1933

Chu, Y. L.
Grable, Edward F.
Gross, H. E. (Gross Maps, St. Louis), 1141 S. Elm Ave., Webster Groves, Mo.
Richards, Paul L. (United States Steel Corp.), 40 Sunnyside Drive, Pittsburgh 28, Pa.
Smith, Clyde S. (St. Joseph Lead Co.), Dunklin Drive, Herculaneum, Mo.

1934

Hazen, Leland G. 408 E. Water St., Pinckneyville, Ill.
Strohl, J. J.

1935

Jones, Ralph B.

1936

Jasinski, Edward J. (Petroleum Exploration), 2363 Amherst, Dallas 25, Texas
Prutt, Carey L. (Inland Steel Co.), 6543 Hahn Ave., Hammond, Ind.
Robertson, Eugene C. (Acorn Bldg. Newell St.,
Silver Spring, Md.), 1945 Rosemary Hills Dr., Silver Spring, Md.

1937

Gossard, Amzi
Langwill, John S., P. O. Box 626, Saratoga, Calif.
Meyer, Frederick W.

1938

Ashman, Arnold W. (Mining Equipment Sales, Hewitt-Robins, Passaic, New Jersey), 170-D Davey St., Bloomfield, New Jersey
Brown, John L., 1003 Valley Road, Colorado Springs, Colo.
Johnson, Oswald V., c/o L. H. Scot, 5948 Dixie Highway, Saginaw, Mich.
Retonde, Matthew (Sam Dasta Construction Co.), 405 E. 64th Terrace, Kansas City, Mo.

1939

Burns, John R. (United States Gypsum Co.), R. R. No. 1, Mitchel, Ind.
Phillips, Robert R.

1940

Baniqued, Juan F., Lamitan, Basilan City, Philippine Islands
Bowman, Donald C. (Chicago Vitreous Corp.), 579 S. Craig Place, Lombard, Ill.
Hanson, Sylvester A.
Hollett, Grant T. (Reynolds Metals Co.), 1502 Bexhill Road, Richmond, Va.
Moroni, Eugene T. (Coal Mining-Coal Processing Corp., Norton, Va.)
Spowite, Adolfo Enzo (Powellton Coal Co.), Box 98 Mallory, West Virginia

1941

Anderson, Donald Lorraine (Univ. of Wash.), 10736 Exeter Ave. N. E., Seattle 55, Wash.
Cohlmeyer, Stanley H.
Hamilton, Charles Minzer (Miners El Moctia, Via Jnral Lago Yojoa, Honduras, Central America)
Jones, John E. (Fansteel Metallurgical Corp.), Zions, Ill.
Keslowski, Nicholas, 3240 S. Oak Park Avenue, Berwyn, Ill.

1942

Dunlap, Charles Kenneth (Bethlehem Collieries Corp.), No. 45 State Highway, Barrackville, W. Virginia

1943

Reuter, William Daniel (Allis-Chalmers Mfg. Co.), 4214 Mayflower Blvd., Columbus 13, Ohio
Rigg, Harold A.
Tannerbaum, David M.
Snider, James W.

1944

Godoy-Peraita, Israd (Departamento de Minas y Petroleo, Teatinos 50, Santiago, Chile), El Eemit 282, Santiago, Chile
Walls, Marion Benton (Riverside Cement Co., Box 832), 4960 New Castle St., Riverside, Calif.

1945

Hollet, Allen Borum (Lake Asbestos of Quebec Ltd.), 556 Rue Fecteau, Quebec, Canada
Refineau, John Tony, 712 W. 11th St., Johnston City, Ill.
Slade, Woodrow Wilson (Owens-Ill. Glass Co.), 1055 Juanita Drive, Walnut Creek, Calif.

1947

Evans, John E.
Morris, Robert Nelson (North American Coal Corp.), 17429 Lomond Blvd., Cleveland 20, Ohio

1948

Borror, Charles Donald, Jr. (Canadian Johns-Manville Co., Ltd.), 295 Manville St. E., Asbestos, Quebec, Canada
Pounds, Robert L., 1107 E. Franklin, Taylorville, Ill.
Quiros, Jorge L., Calle 12 Paillita No. 117, Panama City, Republic of Panama, P.O. Box 4775, Panama City, Panama
Risi, Alfred, Nason, Ill.
Roughley, Arthur G. (State Highway Dept., Springfield, Ill.)
Scheck, Donald E. (U. of I. & Magnavox Co.), 810 S. Race, Urbana, Ill.
Sieferman, Richard C., 15 Jackpile, Graubas, N. M.

1953
Bobka, Denis John (Teletype Corp.), 331 N. Shadelle, Mundelein, Ill.
Bratton, John (Big Rock Stone and Mineral Co.), 1717 Lilac Circle, Little Rock, Ark.
Dvorak, Thomas C.
Gafvert, Sven Bertil (2421-11th St., Rockford, Ill.), 3809 Connecticut Dr., Rockford, Ill.
Holland, Warren Ernest (Humble Oil and Refining Co.), 6530 Stroud Dr., Bellaire, Texas
Magnuson, Carl Alfred, 6947 W. 30th St., Berwyn, Ill.
Nelhaus, Eugene D. (Container Corporation of America), 890 W. Main, Wabash, Ind.
Parks, Kay Donohoo, 1241/2 E. Adams St., Pittsfield, Ill.

1954
Rolseth, Harold C., 32-D Richland Court, Clifton, N. J.
Scheible, Donald John, 3123 Palmer Square, Chicago 47, Ill.
Schweiker, Jerry William (Univ. of Ill.), 801 E. Washington, Urbana, Ill.
Simpson, Donald Cyril (P.O. Box 120, New Orleans, La.), 4825 Duplessis St., N. w. Orleans, La.
Snider, James Patrick (Jones & Laughlin Steel Corporation, Virginia, Minn.)
Stoever, William A. (City Hall, Moline, Ill.), 441-46 St., Moline, Ill.

1955
Burrus, Richard, Route 2, Brownstown, Ill.
Griffin, Michael James (State of Ill. Highway Engr.), 303 W. 55th St., Chicago, Ill.
Lucas, Walter Steward, 505 N. Van Buren St., West Frankfort, III.
McDaniel, Oscar Dudley (Old Ben Coal Corp.), 702 W. Eighth St., Johnston City, Ill.
Neal, Marvin Ross, 166 Hammel Ave., Webster Groves 19, Mo.
Sloan, Richard Lee (Carter Oil Company), 703 N. Walnut, Effingham, Ill.
Terichow, Oleg
Ullom, Tommy S.
Yancik, Joseph J. (1403 Ozark St., Rolla, Missouri), 212 S. 7th St., Mt. Olive, Ill.

1956
Bean, Robert Harold (Army), 806 S. 26th St., Mount Vernon, Ill.
Becker, James Ernest (Civil Engr., Highaway Eng'g.), 3390 N. 32nd St., E. St. Louis, Ill.
Childers, Charles Eugene (Potash Mining & Refining Co.), 303 Elmada, Carlsbad, N. M.
Clemens, Robert Eugene (St. Joseph Lead Co.), 23 Mill St., Bonne Terre, Mo.
Jackson, Edwin George Jr. (Shell Oil Co.), 1003 Minn. St., Corpus Christi, Texas
Romero, Jose Vincente
Tisdale, Jack Edward (Old Ben Coal Corp.), Benton, Ill.

1957
Emison, John William (Sahara Coal Co., Harrisburg, Ill.)
Garza, Dean Campbell (Army), 149 Chicago Ave., Clarendon Hill, Ill.
Holmes, Donald K., 220 W. Euclid Ave., Lewiston, Ill.
Sprehe, Paul Robert, 605 W. Nolene St., Centralia, Ill.
VERSEMAN, Carol Shirley (Phillips Petroleum Co., 3rd Floor Permian Bldg., Midland, Texas) 1957

Bone, Gary Denean (State of Ill. Division of Highways), 503 S. Banker St., Effingham, Ill.

Eckrote, Kenneth Richard, 4016 Claussen Ave., West Chicago, Ill.

Henn, Robert Anton (U. S. Gypsum Co.), 1401 3rd St., Bedford, Ind.


Strausser, Richard Eugene, 504 E. Barker, Tuscola,

III. Vandenburg, Howard F. (Gulf Oil Corp.), 1700 N. Pontiac, Apt. 7, Roswell, N. M.

Wickham, George H. (c/o Magnolia Petr. Co., Midland, Texas), 121 E. South St., Grayville, Ill.

1958

Holloman, Dale (The Texas Company), 200 E. Lyford, Salem, Ill.

Van Maale, Albert Leslie (U. S. Gypsum Co., Shools, Ind.)

Wehrle, Robert Roy (Texas Petroleum Co.), P.O. Box 811, Liberty, Texas

ADVANCED DEGREES

METALURGY

Adolphson, Donald R., MS 1957, 513 Quincy Pl, S.E., Albuquerque, N. M.

Ahmed, A. H. S., MS 1958 (University of Ill.), 1005 S. Douglas, Urbana

Ang, Choh, Yi, PhD 1954 (P. R. Mallory Co.), 2158 N. Kitte Ave., Indianapolis, Ind.

Arora, M. J., MS 1945, 110 N. Goodwin, Urbana, Ill.

Baskal, Mehmet, MS 1945

Bayer, Robert O., MS 1945, Sharpley Lane, Bellewood, Wilmington 3, Del.

Berle, Harold C., Jr., MS 1940 (Westinghouse Research Lab.), 1018 Elizabeth St., Pittsburgh, Pa.

Beede, Howard C., MS 1946, 3125 Margarita, Burlingame, Cal.

Beggan, Kevin, MS 1950, 372 Portage Rd., Niagara Falls, N. Y.

Birnbaum, Howard K., PhD 1958 (Inst. for Study of Metals, University of Chicago)

Bohl, Robert W., MS 1949, PhD 1956 (Univ. of Ill.), 2014 George Huff Dr., Urbana

Brodnick, Roy M., MS 1951 (Micro-Switch, Freeport, Ill.), 110 W. Stevenson, Freeport, Ill.


Callen, Alfred C., Jr., MS 1947, 1608 Johnston St., Richland, Wash.

Carreker, Roland P., Jr., MS 1947 (General Electric Co., Great Neck, L. I., N. Y.

Channon, Stanley L., PhD 1951 (Rock Research Lab.), 1495 Columbus Ave., Riverside, Calif.

Cook, Charles R., Jr., MS 1948, 630 E. 250th St., Cleveland 32, Ohio

Craig, William J., MS 1947 (Lockhead), 10830 Haywood Hills, Calif.

Czyzewski, Harry, MS 1950 (Metallurgical Engrs., Inc.), 2211 SW Vesta, Portland 1, Ore.

Darby, Joseph B., Jr., MS 1955, PhD 1958 (Argonne Nat'L Lab.), 1006 Arbor Ave., Wheaton, III.

Das, Badri N., MS 1958 (Univ. of Ill.), 110 N. Goodwin, Urbana, Ill.

Davis, Burton I., MS 1952, 414 W. Melbourne, Peoria, Ill.

Diamond, Sidney, MS 1958 (Univ. of Ill.), 908 S. State, Champaign, Ill.

Dow, Vern Y., MS 1955, PhD 1958 (IBM), Middlebrush Road, Wappingers, N. Y.

Eckert, Earl J., MS 1945, PhD 1956 (Univ. of Ill.), 303 E. Healey, Champaign, Ill.

Ellis, Wells E., MS 1948 (Timken Roller Bearing Co.), 737 Deerfield Dr., North Canton 20, Ohio

Enriques, Joseph P., MS 1957 (Univ. of Ill.), K-530 Stad. Ter., Champaign, Ill.

Erguven, Ali, MS 1945

Erkun, Nevzat M., MS 1948

Gaines, Joseph A., MS 1949 (The Frederick Post Co.), 518 Roscoe, Chicago, Ill.

Gallegan, James M., MS 1957

Gempler, Edward B., MS 1951 (General Elec. Co., Schenectady, N. Y.), 200 Sunnyside Rd., Scotia, N. Y.

Greenwalt, Richard B., MS 1953

Haley, George D., MS 1957, 4243 Shroyer Rd., Apt. No. 4, Dayton 29, Ohio

Heitmann, William E., MS 1955 (Univ. of Ill.), 802 W. Illinois St., Urbana, Ill.

Hino, Jun, MS 1943, PhD 1956 (Westinghouse Bettis Plant), 6158 Dalmation Dr., Route 3, Bethel Park, Penn.

Hoskins, William R., MS 1951 (Proctor and Gamble), 73 Hadley Rd., Cincinnati, Ohio

Jonsson, Warren, MS 1948, 514 Washington St., Des Plaines, Ill.

Karakoc, I. H., MS 1948

Keefer, Donald W., MS 1957 (Univ. of Ill.), C-671 Stad. Ter., Champaign

Kerr, James R., MS 1954 (Univ. of Ill.), 802 V. Illinois, Apt. 6, Urbana, Ill.

Kohara, Shiro, MS 1958, c/o Todai Kogakukan, 856 Komaba-machi Meguro-ku, Tokyo, Japan

Koppenaal, Theodore J., MS 1958

Kurtay, Hilmi K., MS 1948

Leber, Sam, MS 1949 (General Electric Lamp & Wire Div.), 4056 Charlton Rd., Cleveland 21, Ohio

Leighly, Hollis P., Jr., MS 1950, PhD 1952 (Denver Research Inst.), 2144 High, Apt. 219, Denver, Colo.

Lister, Franklin M., MS 1947 (Kraman Aircraft Corp.) 102 Helaine Rd., Manchester, Conn.

Lulay, John R., MS 1955 (Battelle Memorial Inst., Columbus, Ohio)

Luts, Arthur H., MS 1955, 18 Rue de jarden Botanique, Liege, Belgium

Mayfield, Ross M., MS 1947 (Argonne Nat'l Lab., Lemont, Ill.)

Merlini, Alfonso, PhD 1954

Nevitt, Michael V., PhD 1954 (Argonne Nat'l Lab., Lemont, Ill.)

Noel, Thomas S., MS 1951, PhD 1955 (Oak Ridge Nat'l Lab., P. O. Box No. D, Oak Ridge, Tenn.)

Paprocki, Stan J., MS 1948 (Battelle Memorial Inst.), 2502 Cranford Rd., Columbus, Ohio

Parthasarathy, M. N., MS 1957 (Univ. of Ill.), 1307 W. Main, Urbana, Ill.

Perkins, Frank C., MS 1951 (Denver Research Inst.), 2142 S. High St., Apt. 24, Denver, Colo.

Ricketts, Bernard G., PhD 1958 (Univ. of Ill.), 518 Fairlawn Dr., Urbana, Ill.

Robertson, Charles A., MS 1957 (Sun Oil Co.), B-84 A-6 Clifton Manor, Wilmington 2, Del.

Rough, Frank A., MS 1948 (Battelle Memorial Inst.), 1767 Bedford Rd., Columbus 12, Ohio

Sandburg, Stewart W., MS 1949 (Univ. of Calif., Radiation Lab., Livermore, Calif.), 573 Keeler Ct., Fremont, Calif.


Sinclair, George M., MS 1949 (Univ. of Ill.), 608 Harding Dr., Urbana, Ill.

Sinha, Patil P., MS 1957 (Univ. of Ill.), 110 N. Goodwin, Urbana, Ill.

Sivertsen, John M., MS 1952, PhD 1958 (Univ. of Minn.), 505 University Ave., S.E., Minneapolis 14, Minn.
ITEMS ABOUT STAFF AND ALUMNI

Herman Petsch, Met '51, has been promoted to Section Head in charge of Physical Metallurgy Research for Bridgeport Brass at Bridgeport, Conn. He has been at Bridgeport for two years following four years at Hamilton Watch and two years at Pratt and Whitney. Herman has been keeping up with the field by taking night courses at Brooklyn Poly.

Two papers by staff members were presented at an AWS meeting last April in St. Louis. Prof. Bruckner and Charles Robertson gave a paper on the theory of martensitic base metal weld metal joints, and Prof. Marvin Wayman read a paper on strain aging in weld metal. Charley Robertson completed requirements for his M.S. degree and is now handling corrosion problems as metallurgical engineer for Sun Oil Co. at Marcus Hook, Pa.

Richard Zak resigned his position with Ford Aircraft Engine Plant last Spring, and returned to the campus to finish off the few hours he needed to complete his B.S. in metallurgy.

Those who read Metals Progress may have noted the addition of the name of Carl Weymueller, Met '49, to the masthead. Carl joined the staff as assistant editor after eight years with Republic Steel in Chicago, and eight months with Wyckoff Steel.

Burton Person, Met '57, is now Plant Manager for Modgrass Fibers, Inc., Bremen, Ohio, after completing his studies at Harvard Business School. Modgrass is a John Wood subsidiary and manufactures spun glass fibers.

Verne Anderson, Met '50, was at the lab recently to consult with Prof. Bruckner on some welding problems in connection with his work at Taylor Forge and Pipe Works, Chicago. In a similar capacity, we enjoyed visiting with Ronald Nylen, Met '57, who discussed with Walter problems associated with cold welding high purity titanium. Ron is research metallurgist with Mallory-Sharon Metals Corp. at Niles, Ohio.

Staff members are continuing the department's record of service to professional organizations. In particular, Tom Read, our department head, has been serving the AIME this past year in a very active way as Program Chairman of the IME. Prof. Wert has recently been appointed to the Board of Editors of the Journal of Applied Physics. Prof. Bohl recently gave a talk on metallurgy to the Peoria ASM chapter in connection with their annual Educational Series.

George Haley, Met '56, has been kept busy since receiving a silver award in the Steel Founders' Society Product Development contest for his write-up of a course project on "Grain Size Determination by X-Rays."

Our hats are off to A. J. (Gus) Alexander, Met '53, who won a recent management award from G.E.'s Ewanda plant. His citation reads in part: "For meritorious service in the development of special heat treating cycles and in the production of critical reactor core components of a type not hitherto produced." Gus is a technical engineer in the Aircraft Nuclear Propulsion Department.

Paul Shewmon, Met '52, has resigned his position in the Westinghouse Research Labs which he held since taking his Ph.D. at Carnegie Tech, and accepted a teaching appointment at Carnegie. We are certainly proud that a man with Paul's talents has decided on a career in teaching.

Dick Halmbaugh, Met '58, came to the campus for a few days this Fall with some metallographic specimens in hand to work on while waiting until he was due to report for active service with the army. Dick will be on leave from his job with Allison Division of General Motors in Indianapolis.

Stuart Rice, Met '50, and Chris Strasser, Met '46, treated their wives to a football weekend and a tour of the Met. Lab. this Fall. Unfortunately, they visited us the same weekend Wisconsin did; hope they had plenty of alibis ready for the rest of the Illinois contingent at the Caterpillar Research Lab.

Stanley, James T., MS 1954 (Univ. of Ill.), 1205 S. Webster, Harrisburg, Ill.
Staud, Rodney D., MS 1952 (M.S. School of Mines), Box 215A, Rt. 2, Rolla, Mo.
Subramanya, Betdadapur S., MS 1957, No. 2 Fifth Rd., Chamarajapet, Bangalore 2, India
Turner, Harrison C., MS 1951, 1531 Annette Way, El Cajon, Calif.
Wei, Chuan-Teng, MS 1956 (Univ. of Ill.), 512 E. Church, Champaign, Ill.
Weinstein, Daniel, MS 1958 (Armour Research Foundation), 1841 Humboldt, Chicago 47, Ill.
Wensch, Glen W., MS 1947, PhD 1949 (Atomic Energy Comm.), 5906 Devenshire Dr., Washington 20, D.C.
Wilde, Richard A., M.S. 1940, 23642 Alex Drive, St. Clair Shores, Mich.
Wruk, Donald A., MS 1954, c/o Harry E. Wruk, Norwalk, Wis.

MINING

Boyle, Charles C., MS 1938, PhD 1947 (U.S. Bureau of Mines), 3890 Everett St., Wheatridge, Colo.
Bottomley, J. Arthur, EM 1944 (Sahara Coal Co.), 1305 S. Webster, Harrisburg, Ill.

Caudle, Rodney D., MS 1952 (M.S. School of Mines), Box 215A, Rt. 2, Rolla, Mo.
Charkravarty, Nani, MS 1957 (Univ. of Ill.), 903 W. Oregon, Urbana, Ill.
Clark, George B., EM 1949, PhD 1952 (M.S. School of Mines, Rolla, Mo.), 410 N. Gallatin, Rolla, Mo.
Edae, George R., MS 1956, EM 1957 (Univ. of Ill.), 324 N. First, Richland, Wash.
Ebel, Leonard, MS 1954 (Convair Astronautics), 649 West Ave. J-12, Lancaster, Calif.
McGregor, George W., MS 1952, 88 Musselburgh Rd., Dunedin, New Zealand
Safak, Husamettin, MS 1958 (M.S. School of Mines), 595 S. State St., Elgin, Ill.
Singh, Madan M., MS 1957 (Penn. State Univ., Univ. Park, Pa.)
Slade, Woodrow W., EM 1957 (Owens-Illinois Glass Co.), 1053 Juanita Drive, Walnut Creek, Calif.
Ullo, Tommy S., MS 1955