

NEWS-LETTER

UNIVERSITY OF ILLINOIS

Department of Mining and Metallurgical Engineering Alumni

JANUARY, 1959

ALUMNI DIRECTORY ISSUE

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.

Alstetter and Schroder Join Met Staff

The staff in physical metallurgy has been increased by the addition of two new men this September. Dr. Carl J. Alstetter 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 young 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. Janes ('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 reconstructed 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.

ALUMNI DIRECTORY

B.S. IN METALLURGY

1936

Squarcy, C. M. (Inland Steel Co.), 4108 Northcote Avenue, East Chicago, Ind.

1937

Beattie, Charles W. (Armco Steel Corp., Research Lab.), 302 Aberdeen Dr., Middletown, Ohio

Carlson, Clare B. (Pittsburgh Coal Co.), 444 Union St., Marseilles, Ill.

McCreery, Lowell H.

Oehler, Harlan E. (Culligan Zeolite Co.), 1254 25th Street, San Bernardino, Calif.

Richmond, Robert

Sherman, J. W. (St. Joseph Lead Co.), Box 6, Herculaneum, Mo.

Snyder, John A. (DuPont Engineering Res. Lab.), 411 Wilson Rd., Wilmington, Delaware

Tofft, Leonard (Columbia-Geneva Steel Div.), 691 S. Cherry Dr., Orem, Utah

1938

Miner, Howard Wayne (Fairbanks-Morse & Co.), 1623 Manchester St., Beloit, Wis.

Roberts, George F. (City Engineer), 5720 Alleghany St., San Diego 14, Calif.

1939

Brooks, LeRoy O. (A. C. Spark Plug Div.), 1621 Arlington, Flint, Mich.

Bushee, Charles D. (Taylor Forge), 769 Buchanan, Gary, Ind.

Flesch, Louis P.

Gosch, D. R. (H. A. Wilson Co.), 909 Sherman Ave., Plainfield, New Jersey

Kovac, Lewis R. (G. L. Martin Company) 1503 Dunlora Road, Ruxton 4, Md.

Leake, Raymond D., R. R. No. 1, Dixon, Ill.

London, Kenneth O., 1260 N. Dearborn St., Chicago 5, Ill.

Lorentz, Roy E., Jr., 306 Crestway Dr., Chattanooga, Tenn.

Mahr, Robert E. (Chrysler Corp.), 31755 Verona Circle, Birmingham, Mich.

Price, Bartlett R.

Senew, M. W., 1500 Kaywood Ave., Glenview, Ill.

Smith, H. O., Jr.

Walter, W. H., 6042 S. Monitor, Chicago 38, Ill.

1940

Bates, Jack M. (Carbide & Carbon Chem. Co.), 2910 Phillips St., South Charleston, W. Va.

Bevan, John E., 825 S. Chestnut, Arlington Heights, Ill.

Briske, Hubert W., 10245 Eberhart, Chicago, Ill.

Brummett, Charles R. (30 E. 42nd St., New York, N. Y.), Belair Rd., Norwalk, Conn.

Buckholdt, Harold N. (Allis-Chalmers Mfg. Co.), 2412 S. 7th, Springfield, Ill.

Butler, Paul L.

Christensen, T. E. (The Allbright-Nell Co., Chicago, Ill.), 600 S. 21st Ave., Bellwood, Ill.

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Herzler, Ralph E. (Chase Brass & Copper Co.), 360 S. Columbia St., Naperville, Ill.

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Jensen, Paul A. (New Jersey Zinc Co.), Box 491 Dupue, Ill.

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Kilimnik, Walter

Niehaus, Wm. G.

Nielsen, Clarence S. (Milwaukee Adult & Vocational School), 1720 E. Wedgwood Dr., Elm Grove, Wis.

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Olivieri, John (Gunit Foundries Corp.), 1028 E. State, Rockford, Ill.

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Simmons, W. H., 1095 S. Evergreen, Kankakee, Ill.

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Weitzel, J. S.

Williams, F. S. (Naval Air Material Center, Philadelphia 12), 307 Wyndmoor Rd., Springfield, Pa.

1941

Baldwin, Allen John, 188 Hillcrest Rd., Watchung, New Jersey

Carmody, Thos.

Craig, William J. (Lockheed), 10830 Hayvonhurst, Granada Hills, Calif.

Crews, Donald L. (James B. Clow & Sons, Co.), Coshocton, Ohio

Czyzewski, Harry (Metallurgical Engineers, Inc.), 2211 S. W. Vista, Portland 1, Oregon

Daley, John Joseph, Jr.

Doremus, G. E. (American Brass Co.), 7309 18th Avenue, Kenosha, Wis.

Eriksen, Reidar (Pearson Industrial Steel Treating, Chicago), 704 Newberry Avenue, LaGrange Park, Ill.

Foster, Joseph Edward (American Society for Metals), 16816 Van Aken Blvd., Shaker Heights 20, Ohio

Furkert, Paul A.

Gippert, Leroy E.

Hailey, Robert William (General Electric Co., Tungsten Rd., Cleveland), Grandview Dr., Cleveland, Ohio

Heckman, George R. *deceased*

Hino, Jun (Westinghouse Electric Corp., Bettis Plant), 6159 Dalmatian Dr., Bethel Park, Pa.

Jaeger, Robert Oscar (Fansteel Met. Company), 512 See-Grown Avenue, Mt. Prospect, Ill.

Landeck, Louis William (Westinghouse Electric Corp.), R. R. No. 4, Lima, Ohio

Lang, Joseph F. (United States Steel Co.), 14507 Wentworth Avenue, Chicago 27, Ill. *Woodale*

Lauck, Emery Culver, 2314 W. Connecticut, Royal Oak, Mich.

Martin, Sol Stuart, 4817 N. Springfield, Chicago, Ill.

McGinnis, William Louis, 1221 Madison, Des Moines 13, Iowa

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Murphy, Maurice E.

Reynolds, Richard William (Heavy Machinery Co., Hazel Crest, Ill.), 1-7306 Bryant Lane, Hazel Crest, Ill.

Riggs, Thomas

Ubben, James E., 110 Park Ave., Pekin, Ill.

1942

Anderson, Arthur Edwin (1665 Turf Lane, Paddock Hills, Florissant, Missouri)

Bez, John Alfred (Joint Construction Agency APO 230, New York, N. Y.)

Bohlen, Paul Herbert, 3615 W. 212th Place, Matteson, Ill.

Carlen, Raymond Nils (Joseph T. Ryerson & Son, Inc.), 120 North Clay Street, Hinsdale, Ill.
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 Francis, Alfred, 9001 S. Tregier Ave., Chicago 17, Ill.
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 Gilson, Russell Robert
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 Hoff, William Allen (Republic Steel Corp.), Butterfield Lane, Flossmoor, Ill.
 Koctur, Andrew Frank (Electro - Motive Div., G.M.C.), 718 W. Chestnut Avenue, Hinsdale, Ill.
 McGivern, John Matthew (American Steel & Wire Co., Donora, Pa.)
 Mayfield, Rose M. (Argonne National Lab., Lemont, Ill.)
 Mendenhall, John Howard (Metals Div., Olin Mathieson Chem. Corp.), 2207 Krug Place, Alton, Ill.
 Morris, George Hugh, Jr., 8939 Brecksville Rd., Brecksville, Ohio
 Paasche, Olaf Gustav (Oregon State College, Eugene, Oregon)
 Purdy, George Allan (Aluminum Co. of American), 257 Arundel Rd., Rocky River, Ohio
 Roach, Donald Brian (Battelle Memorial Inst.)
 Rudin, William L. (Wm. L. Rudin and Associates, Chicago), 5729 N. St. Louis, Chicago 45, Ill.
 Stumpf, Russel (General Aluminum Mfg. Co.), 15825 Van Aken Blvd., Shaker Hgts. 20, Ohio

1943

Bates, Charles Evitts, 815 West First St., Anderson, Ind.
 Bell, John Albert, 705 N. Sleight St., Naperville, Ill.
 Caldwell, Jack Spaulding, 306 Eldridge, Washington, Ill.
 Chase, Joseph Jackson (Turbotronics Div., Summit Roberts Prop., Inc.), 1831 Sagamore Drive, Euclid 17, Ohio
 Dedinas, John Anton (Allis Chalmers Mfg. Co.), 3010 So. 124th St., Milwaukee 14, Wis.
 Divito, Joseph Francis (Dept. 270 Stewart-Warner Corp.), 1030 S. Hoyne Ave., Chicago, Ill.
 Forst, Ralph William (Hotpoint, Inc.), 810 Forest Road, LaGrange Park, Ill.
 Fry, Harold (Sculptured Lamps of Calif.), 3300 Butler Ave., Los Angeles 66, Calif.
 Graper, Leslie G., Jr.
 Hailey, James Donald (Owens-Illinois Glass Co.), 124 Rockingham St., Toledo 10, Ohio
 Lane, Joseph Robert (National Academy of Sciences, Washington D. C.)
 Levinson, Irving Sidney (Ampeco Metals, Inc.), 3136 N. 51st Blvd., Milwaukee, Wis.
 Matter, Robert Curtis, 909 22nd St., Rock Island, Ill.
 Maurer, Harman J. (American Tractor Corp., Churubusco, Ind.), 1325 Pemberton Drive, Ft. Wayne, Ind.
 Phillippe, Keller Griffith (U. S. Steel Supply Div., U. S. Steel, Los Angeles, California), 531 N. Dover Road, Covina, Calif.
 Riddell, Frederick Louis (H. Kramer & Co.), 7437 Main, Downers Grove, Ill.
 Rinehart, Edward Everette, 320 W. Morgan, Dixon, Ill.
 Roston, Phillip
 Rough, Frank Albert (Battelle Memorial Institute), 1767 Bedford Rd., Columbus 12, Ohio
 Shaw, Robert C.
 Simpson, Gustavas Sailer, Jr. (Battelle Memorial Institute), 465 Loveman, Worthington, Ohio
 Van Pelt, Richard Harry (Caterpillar Tractor Co.),

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 Walter, R. C.

1944

Aral, Mehmet Maxit, Pirins Fb., Kirikale, Turkey
 Baskal, Mehmet
 Bayer, Robert O. (DuPont Mech. Dev. Lab.), 1413 Emory Rd., Green Acres, Wilmington, Dela.
 Brannick, Thomas Leonard, 429 W. Chestnut St., Clinton, Ill.
 Chao, Chas. F.
 Cook, Charles Roscoe (Thompson Products Inc.), 630 E. 250th St., Cleveland 32, Ohio
 Cunningham, John E. (Oak Ridge National Lab.), 109 Gorgons Land, Oak Ridge, Tenn.
 Curcio, Rinaldo M.
 Erguven, Ali
 Gaines, Joseph Allen (The Frederick Post Co.), 518 Roscoe, Chicago, Ill.
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 Lloyd, Lowell Thomas, 8846 Dante Avenue, Chicago 19, Ill.
 Moll, Kenneth E.
 Moninger, John P.
 Munson, Otto G., Phopphetstown, Ill.
 Nevitt, Michael V. (Argonne National Labs.)
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 Siemienas, Joseph Benjamin, 717 E. 89th Pl., Chicago, Ill.
 Simonian, Michael Nazareth (R. Lavin & Sons, Waukegan, Ill.), 925 Massena Ave., Waukegan, Ill.
 Stevens, Roger B.
 Sullivan, James D.
 Tikens, William H.
 Carreker, Roland P., Jr. (General Electric Co. Research Lab.), 1162 Rugby Road, Schenectady, N. Y.
 Dickson, Richard K. (Trent Tube Co.), 1011 La Mesa Dr., Fullerton, Calif.

1946

Bohl, Robert Walter (Univ. of Ill.), 2014 George Huff Dr., Urbana, Ill.
 Cathcart, Frank M.
 Karakoc, Ibrahim H., Celik Fabrikasi, Kirikkale, Turkey
 Kurtay, Hilmi Kadri
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 Litman, Arnold Powell, 5235 Garfield Avenue, Kansas City 4, Missouri
 Papadinoff, Chris, 1704 Mora, Granite City, Ill.
 Paprocki, Stan John (Battelle Memorial Institute), 2502 Crawford Road, Columbus, Ohio
 Schueler, Robert C. (Phillips Petroleum Co.), 4800 Brookline Dr. Bartlesville, Okla.
 Straesser, Chris Robert (Caterpillar Tractor Co.), 235 Mt. Aire Dr., E. Peoria, Ill.
 Turnovsky, Otto James, Jr., 5931 Berchwood Dr., Poland, Ohio
 Wensch, Glen William (Atomic Energy Comm., Washington 16, D. C.), 5906 Devonshire Dr., Washington 16, D. C.

1947

Bechtold, James Henry (Westinghouse Research Lab.), 1018 Elizabeth St., Pittsburgh 21, Pa.
 Callen, Alfred Copeland, Jr. (General Electric Co., Wash.), 1608 Johnston, Richland, Wash.
 Ellis, Wells Eugene (Timken Roller Bearing Co.), 737 Deerfield Drive, North Canton 20, Ohio
 Gougler, Frank Alfred, Jr. (Kaiser Aluminum Chem. & Sales Inc.), 724 E. Lucille Ave., West Covina, Calif.
 Hollowell, Dan, 7423 Fillmore, Dallas, Texas

Jonsson, Warren
 Leber, Sam (General Electric, Lamp & Wire Div.),
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 Person, Burton Conrad (Modigrass Fibers, Bremen,
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 Prairie Pillage, Kansas
 Sluetz, Edward J.
 Smith, Jonathan (Sunbeam Corp., Industrial Fur-
 nace Div.), 326 E. Church, Elmhurst, Ill.
 Sorrentino, Francis C.
 Spencer, Edward Payne (American Can, Barrington,
 Ill.), 539 W. Kren Ave., Cary, Ill.
 Tikulski, Leon D.
 Wall, LeWayne Nicholas (Combustion Engineering-
 Superheater Co., Inc.), 800 Qouth Moore Road,
 Chattanooga, Tenn.
 Wolin, Morris (Alpha-Loy Corporation, Div. Alpha
 Metals, Chicago), 7411 N. Karlov Ave., Skokie, Ill.

1949

Alpers, Elbert E. (GMC - Central Foundry Division,
 Danville, Ill.), 1730 No. Derexa Dr., Hamilton,
 Ohio
 Applett, William Richard, Jr. (Naval Research Labo-
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 Metuchen, New Jersey
 Berkey, William W. (Reynolds Metals Co.), 9501
 Bonnie Dale Road, Richmond 29, Va.
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 Bruns, Frank J. (Sinclair Research Labs., Harvey,
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 Ferguson, Robert Roy, R. D. No. 1, Valencia, Pa.
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 McCaughey, Raymond L. (Elgin National Watch
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 Millhouse, Robert D. (Marion Malleable Iron
 Works), R. R. No. 1 Kem Road, Marion, Ind.
 Moran, Margaret E. (O'Donnell), 39 Maple Grove
 Ave., Lackawanna 18, New York
 Mucek, Walter A (Howard Foundry), 3446 Ruby
 St., Franklin Park, Ill.
 Noggle, Thomas S. (Oak Ridge National Lab.)
 Perry, Thomas E. (Republic Steel Corp.), 5601
 Jonathan Ave., N. W., Canton, Ohio
 Pugh, John William (General Electric Co., Lamp &
 Wire Div., Cleveland, Ohio)
 Rowells, Lynn G. (Sears Roebuck & Co., Chicago 7),
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 Sandberg, Steward Wilson (Univ. of Calif. Rad.
 Lab.), 573 Keeler Ct., Fremont, Calif.
 Selle, Joseph Blair, Box 6445, Houston 6, Texas
 Sheep, Loyd H. (Kaiser Aluminum & Chemical
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 Siegrist, Fred L. (American Soc. for Metals), 50
 Hovey Dr., Chesterland, Ohio
 Sinclair, George Morton (Univ. of Ill.), 608 Harding
 Drive, Urbana, Ill.
 Tisinai, George Frank (Standard Oil Co., Eng. Re-
 search Dept.), 8410 Parrish Place, Highland, Ind.
 Zorn, Alfred Steven (Fansteel Metallurgical Corp.),
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1949

Bertossa, Robert G., P. O. Box 494, Palo Alto, Calif.
 Blaski, Norbert Bruno (Peru Foundry Co.), 302
 Monroe, Peru, Ind.
 Brodnick, Roy Matthew (Micro-Switch), 1410 W.
 Stephenson, Freeport, Ill.
 Demeter, Daniel Robert (Youngstown Sheet & Tube,
 E. Chicago, Ind.)
 DeWitt, Richard Rollin (Microcast Div., Austenal
 Laboratories, Inc.), 136 Hemlock St., Park For-
 est, Ill.
 Fournier, Charles Albert (Aerojet Corp. of Am.),
 9021 Fashun Drive, Sacramento 19, Calif.
 Frey, Elmer Leroy Jr., 1111 North Van Buren,
 Litchfield, Ill.
 Garcia, Willard M. (Kawneer Co.), 1608 Sheffield,
 Niles, Mich.
 Gempler, Edward Bernard (General Electric Co.,
 Schenectady), 200 Sunnyside Rd., Scotia, New
 York
 Goetz, Ralph Clinton (Chicago Screw Co.), 6442
 Black Hawk Trail, LaGrange, Ill.
 Hensley, William E. (General Electric Co., Cin-
 cinnati), 521 Monte Dr., Mason, Ohio
 Hoener, Lavern George (Inland Steel Co.), 3725
 Grand Bldg., E. Chicago, Ill.
 Hyde, Russell S. (Glidden Co.)
 Lampson, F. Keith (Marquardt Aircraft Co.), 11300
 Gothic, Granada Hill, Calif.
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 Northview, Aurora, Ill.
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 Merutka, John Paul (H. M. Harper Co., Morton
 Gove, Ill.)
 Perkins, Frank Cousins (Denver Research Insti-
 tute), 2142 S. High St., Apt. 24, Denver 10, Colo.
 Scharck, Ralph Herbert (Flexonics Corp.), 520 Wal-
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 zeme Subesi, Ankara, Turkey
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1950

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 Bruggen, Richard (Neenah Foundry Co.), 493 River-
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 Burnett, Donald R. (Chicago Magnesium Casting
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 Butkus, Charles R. (Bettis-Westinghouse, P. O. Box
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 Palatine, Ill.
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- Davis, Warren William, 902 8th Ave., Sterling, Ill.
Dingwell, Lamar (Kropp Forge Co., Chicago), 4125 W. 99th Place, Oaklawn, Ill.
- Drom, Wayne D. (International Harvester Co., Manufacturing Research Div., 5225 S. Western Avenue, Chicago, Illinois)
- Dyke, Donald L. (General Electric Co., St. Petersburg, Fla.), 420 Druid Rd., Clearwater, Fla.
- Elliott, Sherman E. (Rockford Screw Products Co.), 2729 Hooker Ave., Rockford, Ill.
- Fostini, Raymond V.
- Frederick, Philip H. (Allegheny Ludlum Steel Inc., Waterliet, New York), 38 Willett St., Albany, New York
- Gale, Edward Thomas (Revere Copper & Brass, Inc., Chicago), 1131 Newcastle Avenue, Westchester, Ill.
- Gilliam, Robert B. (Aerojet General Corp.), 2927 Marconi Ave. Apt. 6, Sacramento 21, Calif.
- Hack, Edgar R. (Western Brass Mills Div., Olin Mathieson Chem. Corp.), 2307 Edwards St., Alton, Ill.
- Hoskins, William R. (Proctor & Gamble, Eng. Div.), 73 Hadley Rd., Cincinnati 18, Ohio
- Kaminski, Edward W., Jr. (Pesco Products, Bedford, Ohio) 2691 Shreve Rd., Wooster, Ohio
- Lundberg, Arlo G. (John Deere Spreader Works), 2329 45 St., Rock Island, Ill.
- Moore, Eldon B., R. R. 3, Taylorville, Ill.
- Peterson, Charles R., 5324 Patterson, Chicago, Ill.
- Placzek, Walter P. (Amgear Co., Chicago), 4142 S. Rockwell, Chicago, Ill.
- Rice, Stuart Lee (Caterpillar Tractor Co.), 1025 S. 1st St., Morton, Ill.
- Stermon, Rubin B. (Atomic Power Div., Westinghouse Electric Corp.), 75 Arlene Ave., E. McKeesport, Pa.
- Zicarelli, Raymond (Boeing Aircraft Company), 15077 S. E. 44th St., Bellevue, Wash.
- 1951
- Anderson, Robert Clark, 8246 Bonner Dr., Houston 17, Texas
- Asherman, Charles Delbert (American Steel Foundries), 3925 W. 78th St., Chicago 29, Ill.
- Benson, Donald Harry, 6120½ Easton, Los Angeles 22, Calif.
- Boesiger, Jack Vincent, 6229 Lakewood Ave., Chicago, Ill.
- Capek, Bruce Woodburn, 229 Gage Rd., Riverside, Ill.
- Huebner, Lawrence Anton (Walker Manufacturing Co.), 217 4th St., Racine, Wis.
- Kachinskas, Gerald Kenneth (Manning, Maxwell & Moore), 2493 Winchester Dr., Muskegon, Mich.
- Klimek, Edmund Joseph (Armour Research Foundation), 1127 W. 123rd St., Chicago 43, Ill.
- Leeming, James Whitney, Jr., 2445 Spruce Rd., Homewood, Ill.
- Macleary, Donald Leslie (E. I. du Pont de Nemours Co.), 2407 North Franklin Street, Wilmington, Delaware
- Mican, Robert George, 2565 E. 82nd Place, Chicago 49, Ill.
- Necheles, Robert Mendes, 1715 Bryn Mawr, Chicago, Ill.
- Petsch, Herman F. (Hamilton Watch Co.), 1866 Amity Dr., Lancaster, Pa.
- Pohlman, Marvin Arthur (General Electric Aircraft Gas Turbine), 202 Westline Dr., Mason, Ohio
- Rally, Frank Charles, 125 N. Court St., Rockford, Ill.
- Raymer, Jack Milton, 106 Elaine Rd., Milford, Conn.
- Russell, Lawrence Rae (Haynes Stellite Company, Kokomo, Indiana).
- Schruhl, Charles Robert, 1104 Congress S. E., Washington, D. C.
- Schwetz, Eugene John, 1211 E. Roosevelt, Phoenix, Arizona
- Shimmin, Kenneth D.
- Skarda, James J.
- Stephens, John Willoughby (Granite City Steel Co.), 2836 Wayne Ave., Granite City, Ill.
- St. John, John Marshal (Caterpillar Tractor Co.), 622 Fondulac Dr., E. Peoria, Ill.
- Sturm, Jay Richard (Sunstrand Aviation), 534 Washington St., Rockford, Ill.
- Unterberg, William John (Atkins Saw Div., Borg-Warner Corp.), 4337 North Audubon Road, Indianapolis, Ind.
- 1952
- Bennett, Richard D., 1109 N. McLeansboro St., Benton, Ill.
- Borrino, Joseph (Sinclair Research Laboratories, Inc.), 309 Semindle St., Park Forest, Ill.
- Frankenberg, Robert E., 7501 W. Main St., Chicago 31, Ill.
- Gagola, Leonard J.
- Hatch, James Brainard (Forrestal Research Center, Princetown Univ.), 23 Pleasant Lane, Levittown, Penn.
- Hertel, Emil R.
- Huge, Keith Oscar, 711 Devonshire Dr., Belleville, Ill.
- Kerr, James R., 802 W. Ill. Apt. 6, Urbana, Ill.
- Ladley, Roy S. (Phillips Petroleum Co.), 1597 S. Elm, Bartlesville, Okla.
- McClintick, Richard J. (Mallory-Sharon Titanium Corp.), 814 Vienna Ave., Niles, Ohio
- McGee, Sherwood W. (Armour Research Foundation), 7817 S. Indiana Avenue, Chicago 19, Ill.
- Melill, Joseph
- Mitkus, Vito V. (Diamond Chain Co.), 5520 Fenmore Road, Indianapolis, Ind.
- Nudelman, Harvey B., 5704 S. Lenox Rd., R. R. No. 1, Downers Grove, Ill.
- Paddock, William C., 1119 Cherry Street, Alcoa, Tenn.
- Schaner, Burton E. (Westinghouse Electric Corp., Atomic Power Div.), 1821 Parkline Drive, Apt. 6 Pittsburgh 27, Pa.
- Shewmon, Paul G. (Carnegie Inst. Tech.), 107 Fairfax Rd., Pittsburgh 21, Penn.
- Shulman, Alvin D. (Cayne & Reiffin, Chicago), 208 W. Maple, Fairbury, Ill.
- Sieben, T. H. (RCA-Harrison, N. J.), 41 Commonwealth Ave., New Providence, N. J.
- Stanley, James T., I-28B Stad. Ter., Champaign, Ill.
- Thomas, Robert E. (Am. Steel and Wire), 2330 Comanche Court, Waukegan, Ill.
- Williams, Robert F., Route No. 1, MacMurray Road, Venetia, Pa.
- Zahn, Harold R.
- Ziegler, Paul E.
- 1953
- Alexander, August John (General Electric, NAPD, Evandale, Ohio), 8128 Blanehetta Dr., Apt. No. 7, Cincinnati 24, Ohio
- Athey, Roy Lee (Engineering Services, Aircraft Gas Turbine Div., General Electric Co., Cincinnati 15, Ohio)
- Bacle, Louis Arthur, 924 Juneo, Milwaukee 2, Wis.
- Bond, William Bruce (Bell Helicopter Corp., Hurst, Texas), 2214 Beryl St., Fort Worth, Texas
- Dobbin, James W.
- Draznik, Robert Augustus, 21 Kildare Ave., Joliet, Ill.
- Dvorak, Richard James (12800 Oakland, Highland Park 3, Mich.), 19720 Yacama, Detroit 3, Mich.
- Fisher, Robert Bernard, 1054 Mona Dr., University City, Mo.
- Gaydos, Richard (Republic Steel Corp.), 9126 Essex Ave., Chicago 17, Ill.
- Hallahan, Donald George, 1011 Hull Terr., Evanston, Ill.
- Heitmann, William Edward (Univ. of Ill.), 802 W. Ill., Urbana, Ill.
- Kazuk, Edward
- Lulay, John Raymond (Battelle Memorial Institute), 3917 W. Addison St., Chicago 18, Ill.

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

Snow, Robert Burton (Union Carbide Co., 230 N. Michigan, Chicago, Illinois), 604 4th, Niagara Falls, New York

Townsend, Don Garrett (Delco-Remy), 428 E. 36th St., Anderson, Ind.

1954

Anderson, Robert W. (P. O. Box 13-1663, Los Alamos, New Mexico), 3458 D. Urban, Los Alamos, New Mexico

Berry, Richard Rowland (Olin Mathieson Chem. Corp.), 110 Maple, Edwardsville Ill.

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 Cecile, 206 Herbert, Carmi, Ill.

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

Dreshfield, 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), 3039 E. 91st St., Chicago 17, Ill.

Lightbody, Dee Lyle, Glasford, Illinois

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

Ross, Ray R.

Turley, Richard Vincent (Allis-Chalmers Mfg. Co.), 3524 Lancaster, Springfield, Ill.

1955

Bennett, Ralph Ervin, 5348 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, Walshville, Ill.

Klein, Albert Joseph (American Can Co.), 8842 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 Tin 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.

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

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

Bertschi, Charles W. (Locomotive Finished Material Co., Aitchison, Kan.)

Burger, Glen Otto Jr. (Kaiser Steel Corporation), 15626 Ceres—Apt. 2, Fontana, Calif.

Carlson, Earl A.

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

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

Gedwill, Michael Anthony (Battelle 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.

Robertson, 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 (Lindbergh Engineering Co.), 1252 Brown St., Des Plaines, Ill.

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

Sullenger, Gene W.

Wilson, Kenneth Roger (North American Aviation, International Airport, Los Angeles), 5242 Willow Wood Rd., Rolling Hills, Calif.

1957

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

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

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

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

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

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

Foster, Joseph Edward (American Society for Metals), 16816 Van Aken Blvd., Shaker Heights 20, Ohio

Fox, Marion Melvin, Gifford, Ill.

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

Grisaffe, 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), 6637 N. Newgard, Chicago, Ill.

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

Johnson, Raymond E.

Kizer, Donald Edward (Battelle 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.

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

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

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

Weinstein, Daniel (Armour Research Foundation), 1841 N. Humboldt, Chicago 47, Ill.

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

1958

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

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

George, Francis Alan (Caterpillar Tractor), 209 Devonshire Rd., Washington, Ill.

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

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

Hobart, James Darwin, 1556 Alsace Ave., Norfolk 9, Va.

Hoover, Charles Elton (Purdue Univ.), 26-4 Ross Ade Drive, West Lafayette, Ind.
 Horak, James Albert (Argonne National Laboratory), 232 Edgewood Road, Elk Grove, Ill.
 Hull, Robert Boyd (Standard Oil of Calif.), 706½ Philippine St., Taft, Calif.
 Johnson, Kaye Allan (Univ. of Ill.), 102 N. Lincoln, Urbana, Ill.
 Janis, Carl George, (Western Electric Co., Winston Salem, N. Carolina)
 Kamber, Kenneth Thomas (Univ. of Illinois), 306 E. Green St., Champaign, Ill.

Larson, Ronald Charles, 621 IDA St., Joliet, Ill.
 Legru, Joseph Edwin, 401 S. Sherman St., Pana, Ill.
 Lindblad, Norman Roger, 8057 Dobson Ave., Chicago 19, Ill.
 Mackenzie, John Hector, 1222 Kenmore Ave., Joliet, Ill.
 Pasley, Dallas Hudson, Route 1, Emmett, Idaho
 Romani, Donald Carl (Minneapolis-Honeywell-Micro Switch), 2018 Wisteria Rd., Rockford, Ill.
 Sandstrom, Donald James (A.C.F. Industries, Albuquerque, New Mexico)
 Zak, Richard Joseph, 136 Rodney, Bryn Mawr, Penn.

B.S. IN MINING

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

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

1914
 Houseman, 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. Petersburg 6, Fla.
 Porter, H. H.
 Reed, Maurice J. (Socony Mobil Oil Co. Inc.), English Village, Cranford, N. J.
 Teixeira, E. A.

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

1920
 Crane, Martin (Attorney, 176 W. Adams St., Chicago 3, Ill.), 606 Greenleaf Ave., Glencoe, Ill.
 Fitzpatrick, James C.
 Malcomson, 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
 Hallbauer, E. L. (E. L. Hallbauer Const. Co., 452 Belden Ave., Chicago), 335 Wellington Ave., Chicago, Ill.
 Stamberg, Frank F. (Southern Illinois Univ.), Route No. 1, Makanda, Ill.
 Wilten, H. M. (The Texas Co., Port Arthur, Texas), 4600 Alamosa 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 Pk, Ill.
 Cothorn, Leland I. (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.

Machamer, Jerome E. (Oliver Iron Mining Civ.), 131 Hawthorne Rd., Duluth 5, Minn.
 Merz, Russell A.
 Rauch, Herbert L., 721 N. Hermosa Pl., Albuquerque, N. M.

1923
 Capouch, Myron E. (Amer. Steel and Wire Div., U. S. Steel), 2778 Country Club Blvd., Rocky River, Ohio
 Carpenter, Erasmus F., Epping, North Dakota
 Comstock, John A.
 Fagerburg, Rudolph E.
 Ferguson, Perry N. (St. Joseph Lead Co., Bonne Terre, Missouri), 8 Church St., Rivermines, Mo.
 Jackson, Walter H. (State Highway Division, Webster Grove, Missouri), 3 Pitman Place, Kirkwood 22, Mo.
 Jessing, Harry
 Mahmood, Syed
 Sanford, R. S.
 Stewart, Otis G. (Electro Metallurgical Co., Union Carbide Div.), Box 94, Glen Ferris, W. Va.

1924
 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
 Jacobs, Russell L. (Illinois State Employment Service), 707 W. Forrest Hill, Peoria 5, Ill.
 Johnson, Ernest C., 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.
 Setinsky, Jerry H. (Consulting Engineer), 19110 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.

1925
 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
 Coulter, Don M. (County Engineer), 226 H. St. 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.
 Schaefer, J. W., 1420 Park Ridge Blvd., Park Ridge, Ill.

1926

Borrer, Charles D., 104 Coulston, Asbestos, Quebec, Canada
 Martin, Edmund R., 8444 Prairie Ave., Chicago, Ill.
 Stephens, Charles J., P. O. Box 120, DuQuoin, Ill.
 Voltz, 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 Cordula 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

Phemister, Harry I. (American Cyanamid Co., Explorations Div.), 737 Highland Ave., Latrobe, Pa.

1930

Anderson, Walter W. (Commercial Testing and Eng. Co., Chicago), 2436 Prairie Ave., Evanston, Ill.
 Barrett, Arthur Lee (Joy Mfg. Co.), 471 Wendy Way, Franklin, Pa.
 Bottomley, J. Arthur (Sahara 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.
 Woroshiloff, 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 Sunnyhill 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.
 Muehlemeyer, Carl H. (Commercial Heat Treating Co.), 503 Calvin Park Blvd., Rockford, Ill.
 Strohl, J. J.

1935

Boley, Charles C. (U. S. Bur. of Mines, Denver), 3888 Estes St., Wheat Ridge, Colo.
 Jones, Ralph B.

1936

Haake, Donald R. (Valley Camp Coal Co.), 55 Ainswood Ave., Crestwood Estates, Wheeling, W. Va.
 Jasinski, Edward J. (Petroleum Exploration), 3236 Amherst, Dallas 25, Texas
 Pruitt, Carey L. (Inland Steel Co.), 6543 Hahman Ave., Hammond, Ind.
 Robertson, Eugene C. (Acorn Bldg. Newell St.,

Silver Spring, Md.), 1945 Rosemary Hills Dr., Silver Spring, Md.

1937

Adams, Ernest C. (Office, Deputy Chief of Staff for Logistics, Dept. of the Army, Washington 25, D. C.), 2627 N. Nottingham St., Arlington, Va.
 Gossard, Amzi
 Langwill, John S., P. O. Box 626, Saratoga, Calif.
 Meyer, Frederick W.

1938

Asman, 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, Mathew (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.
 Sass, J. F., 304 W. State St., East Tawas, Mich.

1940

Banique, 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.)
 Spotte, Adler Enzo (Powellton Coal Co.), Box 98 Mallory, West Virginia

1941

Anderson, Donald Lorraine (Univ. of Wash.), 10736 Exeter Ave. N. E., Seattle 55, Wash.
 Brookhart, C. E. (Lanison Corp.), 206 W. Washington, Villa Park, Ill.
 Cohlmeier, Stanley H.
 Hamilton, Charles Arthur (Minas El Mochita, Via Jnarl Lago Yojoa, Honduras, Central America)
 Jones, John E. (Fansteel Metallurgical Corp.), Zion, 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), E. Eamit 282, Santiago, Chile
 Walls, Marion Benton (Riverside Cement Co., Box 832), 4960 New Castle St., Riverside, Calif.

1946

Hollet, Allen Borum (Lake Asbestos of Quebec Ltd), 556 Rue Fecteau, Quebec, Canada
 Refieuna, 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.), 17428 Lomond Blvd., Cleveland 20, Ohio

1948

Borrer, Charles Donald, Jr. (Canadian Johns-Manville Co., Ltd.), 295 Manville St. E., Asbestos, Quebec, Canada

Fox, James M.
Stephens, Robert M.

1949

Eadie, George Robert (Univ. of Ill.), Route 2, Champaign, Ill.

1950

Barrett, Orrin T. (Tubura-Carixa, Postal 34, Santa Calarina, Brazil, S. A.)

Campbell, Richard A., 5064 Foxpoint Lane, Rolling Hills, Calif.

Caudle, Rodney D. (Missouri School of Mines & Met.), Box 215A, Rt. 2, Rolla, Mo.

Davies, Calvin O., 110 E. North, Dodgeville, Wis.

Hippard, William R., Box 54, Lenzburg, Ill.

Janes, John R. (Old Ben Coal Company), 202 E. Capital, Benton, Ill.

Jankovsky, Charles K. (Freeman Coal Mining Corp.), 702 Sheridan Drive, Benton, Ill.

Karlovsy, Jerry Jr. (Goodman Mfg. Co.), 4138 Wolf Rd., Western Springs, Ill.

Kuhnheen, Lester F. (Bethlehem Chile Iron Mines Co., Casilla 19-D-La Serena, Chile, S. A.)

Miller, James R.

Padavic, Frank J. (Old Ben Coal Corp.), 716 Sheridan Dr., Benton, Ill.

Sheehan, Edward G.

Speer, Edward J.

Tudor, Benjamin A. (Compass Coal Co.), Apt. 2, Hemsworth Way, Clarksburg, W. Va.

Ward, Harry Lee (Joy Mfg. Co.), 2618 Buffalo, Michigan City, Ind.

Webster, Alfred J. (Old Ben Coal Corp.), 812 S. Jesse, Christopher, Ill.

Willett, James R.

Zaskalicky, Michael

1951

Benner, Denny Ray (St. Joseph Lead Co.), Box 344, Desloge, Mo.

Behm, Ronald William (Olcoa Mining Co., Rosiclare, Ill.)

Bianchetta, Peter Francis, R. D. 3, Gettysburg, Pa.

Dobson, Charles Davis (Dravo Corporation), 2 Starr Road, Aliquippa, Pa.

Goodrick, James W. (Baroid Division, National Lead Co.) P.O. Box 98, Jones Mill, Ark.

Heiman, David Young (U. S. Metals Refining Co.), 2347 Redwood Rd., Scotch Plains, N. J.

Iversen, Brent George (Roots-Connersville Blower Div., Dresser Industries, Inc.), 44 W. 6th St., Connersville, Ind.

Keim, John Thomas

Kerr, Thomas P., 210 S. Washington Ave., Johnston City, Ill.

McCarthy, Donald Francis, 1303 Foster St., Chicago, Ill.

Mitchell, Charles Robert (Link-Belt Co.), 49 W. 11th Place, Chicago 28, Ill.

Moe, Darrell Duane

Seymour, Joe Haines (Victor Chemical Works), 19 Laird St., Ramsay, Mont.

Snarr, James William (Allis-Chalmers Mfg. Co.), 104 Indian Dr., Clarendon Hill, Ill.

Szabo, Nicholas (State Highway Dept.), Springfield, Ill.

1952

Anderson, Roy E., 5355 Hamilton Drive, Beaumont, Texas

Austin, Len S.

Baird, Robert L. (General Motors Corp.), 1652 Tryon Rd., N. E., Atlanta 19, Ga.

Felts, Leonard L. (Convair Astronautics) 649 W. Avenue J-12, Lancaster, Calif.

Gaumer, Daryl R. (Oil operator), 1113 Myrtle, Kilgore, Texas

Gilbert, Bruce W. (Northern Ill. Gas Co.), 918 Lyford Lane, Wheaton, Ill.

Penrod, Paul Raymond (Military Aircraft), 22013 Grant Ave., Torrance, Calif.

Pounds, Robert L., 1107 E. Franklin, Taylorville, Ill.

Quiros, Jorge L., Calle 12 Paitilla 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, Graubs, N. M.

1953

Bobka, Denis John (Teletype Corp.), 331 N. Shaddle, 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

Magnusson, Carl Alfred, 6947 W. 30th St., Berwyn, Ill.

Neihaus, Eugene D. (Container Corporation of America), 690 W. Main, Wabash, Ind.

Parks, Kay Donohoo, 124½ E. Adams St., Pittsfield, Ill.

Rolseth, Harold C., 32-D Richland Court, Clifton, N. J.

Schelle, 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 193, New Orleans, La.), 4525 Duplessis St., New Orleans, La.

Snider, James Patrick (Jones & Laughlin Steel Corporation, Virginia, Minn.)

Stoewer, William A. (City Hall, Moline, Ill.), 441-46 St., Moline, Ill.

1954

Burrus, Richard, Route 2, Brownstown, Ill.

Griffin, Michael James (State of Ill. Highway Engr.), 3038 W. 55th St., Chicago, Ill.

Lucas, Walter Steward, 505 N. Van Buren St., West Frankfort, Ill.

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.

1955

Bean, Robert Harold (Army), 806 S. 26th St., Mount Vernon, Ill.

Becker, James Ernest (Civil Engr., Highway Eng.), 1809 N. 32nd St., E. St. Louis, Ill.

Childers, Charles Eugene (Potash Mining & Refining Co.), 303 Elmdale, Carlsbad, N. M.

Clemons, 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.

1956

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., Lewistown, Ill.

Sprehe, Paul Robert, 605 W. Noleman 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 Clausen Ave., Western Springs, Ill.
 Henn, Robert Anton (U. S. Gypsum Co.), 1401 3rd St., Bedford, Ind.
 Moser, Arthur Paul, 11025 S. Vernon, Chicago 28, Ill.
 Strauser, Richard Eugene, 504 E. Barker, Tuscola,

Ill.
 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 Maele, Albert Leslie (U. S. Gypsum Co., Shoals, Ind.)
 Wehrle, Robert Roy (Texas Petroleum Co.), P.O. Box 811, Liberty, Texas

ADVANCED DEGREES

METALLURGY

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. Kittey Ave., Indianapolis, Ind.
 Aral, Mehmet M., MS 1945
 Arora, Om P., MS 1954 (University of Ill.), 110 N. Goodwin, Urbana, Ill.
 Baskal, Mehmet, MS 1945
 Bayer, Robert O., MS 1945, Sharpley Lane Bellewood, Wilmington 3, Del.
 Bechtold, James H., MS 1949 (Westinghouse Research Lab), 1018 Elizabeth St., Pittsburgh, Pa.
 Beede, Howard C., MS 1946, 3125 Margarita, Burlington, Pa.
 Beggan, Kevin, MS 1950, 372 Portage Rd., Niagara Falls, N. Y.
 Birnbaum, Howard K., PhD 1958 (Insti. 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.), 1410 W. Stevenson, Freeport, Ill.
 Caldwell, Jack S., Jr., MS 1946, 306 Eldridge, Washington, Ill.
 Callen, Alfred C., Jr., MS 1947, 1608 Johnston St., Richland, Wash.
 Carreker, Roland P., Jr., MS 1947 (General Electric Co.), 1162 Rugby Rd., Schenectady, N. Y.
 Channon, Stanley L., PhD 1951 (Rohr Aircraft) 1495 Columbus Ave., Riverside, Calif.
 Cook, Charles R., Jr., MS 1948, 630 E. 250th St., Cleveland 32, Ohio
 Craig, William J., MS 1947 (Lockheed), 10830 Hayvonhurst, Granada 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, Ill.
 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.
 Doo, Ven Y., MS 1955, PhD 1958 (IBM), Middlebush Road, Wappingers, N. Y.
 Eckel, 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
 Enrietto, Joseph F., MS 1957 (Univ. of Ill.), K-33C 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.
 Galligan, 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) 6159 Dalmation Dr., Route 5, 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-67 Stad. Ter., Champaign
 Kerr, James R., MS 1954 (Univ. of Ill.), 802 W. Illinois, Apt. 6, Urbana, Ill.
 Kohara, Shiro, MS 1958, c/o Todai Koguken, 856 Komaba-machi Meguro-ku, Tokyo, Japan
 Koppenaar, 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)
 Lutts, 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.)
 Noggle, 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
 Parthasarathi, 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.
 Sayles, John H., MS 1958 (Lindbergh Eng. Co.), 1252 Brown St., Des Plaines, Ill.
 Sinclair, George M., MS 1949 (Univ. of Ill.), 608 Harding Dr., Urbana, Ill.
 Sinha, Patit 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 energy absorption 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 '47, is now Plant Manager for Modigrass Fibers, Inc., Bremen, Ohio, after completing his studies at Harvard

Business School. Modigrass 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 Nysten, 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 IMD. Prof. Wert has recently been appointed to the Board of Editors of the Journal of Applied Physics. Prof. Bohl recently gave a talk on metallography to the Peoria ASM chapter in connection with their annual Educational Series.

George Haley, Met '56, has been kept busy since reporting to Wright Air Development Center after receiving his M.S. here a year ago. He is in the Steel and Welding Section of the Materials Lab. In his "free" time, George is taking courses at the Ohio State Graduate Center towards a degree in Business Administration. George received a silver award in the Steel Founders' Society Product Development contest for his

write-up of a course project on "Grain Size Determinations by X-Rays."

Our hats are off to A. J. (Gus) Alexander, Met '53, who won a recent management award from G.E.'s Evandale 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 heretofore 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 Haimbaugh, 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 Straesser, 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.), I-28B Stad. Ter., Champaign, Ill.
 Subramanya, Bettadapur S., MS 1957, No. 2 Fifth Rd., Chamarajapet, Bangalore 2, India
 Turner, Harrison C., MS 1951, 1531 Annette Way, El Cajon, Calif.
 Wei, Chuan-Tseng, 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 16, D. C.
 Wilde, Richard A., M.S. 1940, 22482 Alex Drive, St. Clair Shores, Mich.
 Wruck, Donald A., MS 1954, c/o Harry E. Wruck, Norwalk, Wis.

MINING

Boley, 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 (Mo. School of Mines), Box 215A, Rt. 2, Rolla, Mo.
 Chakraverty, Nani, MS 1957 (Univ. of Ill.), 903 W. Oregon, Urbana, Ill.
 Clark, George B., EM 1949, PhD 1952 (Mo. School of Mines, Rolla, Mo.)
 Eadie, George R., MS 1956, EM 1957 (Univ. of Ill.), R. R. No. 2, Champaign, Ill.
 Felts, Leonard, MS 1954 (Convair Astronautics), 649 West Ave. J-12, Lancaster, Calif.
 McGregor, George W., MS 1952, 88 Musselburgh Rise, Dunedin, New Zealand
 Safak, Husamettin, MS 1958 (Div. of Highways, Dept. of Public Works & Bldgs., 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.), 1055 Juanita Drive, Walnut Creek, Calif.
 Ullom, Tommy S., MS 1955