

1421. Medical Arts Laboratory, Medical Arts Bldg., Jenkintown, Pa.

President: J. Cecil Rhodes.

Research staff: J. Cecil Rhodes, Director. 2 chemists, 3 biologists and bacteriologists; additional personnel 4.

Research activities: Pharmaceuticals; dispersions and emulsions; detergents; tuberculosis research. (Research initiated 1929.)

1422. Medusa Portland Cement Company, 1000 Midland Bldg., Cleveland, Ohio.

President: J. B. John.

Laboratory: Wampum, Pa.

Research staff: Harry L. Vanderwerp, Chief Chemist; G. M. Jarrett, Research Chemist. 2 chemists.

Research activities: The development of new products; problems connected with the production of portland cement; problems from the field. (Research initiated 1930.)

1423. Melbourne Engineering Corporation, Melbourne, Fla.

President: L. R. Culver.

Research staff: L. R. Culver, Director. 1 chemist, 2 engineers; technical personnel 2; additional personnel 5.

Research activities: General engineering research and development. Basic research; applied research in electrical, mechanical, and chemical fields. Routine testing and control incidental to consulting practice, and assistance on inventions and patent applications. (Research initiated 1944.)

1424. Mellon Institute, 4400 Fifth Ave., Pittsburgh 13, Pa.

Executive staff: Edward R. Weidlein (chemical engineering), Director. 5 Assistant Directors: E. Ward Tillotson (inorganic chemistry), William A. Hamor (chemical technology), Harry S. Coleman (mechanical engineering), George D. Beal (pharmaceutical chemistry), and Leonard H. Cretcher (organic chemistry). Executive Assistant: George H. Young (organic chemistry). 3 analysts, 4 librarians, 2 photographers, and 162 administrative aids, accountants, clerks, and mechanics.

Research staff: 5 fellows and 3 assistants in pure research; 242 industrial fellows and 232 fellowship aids, practically all of whom are chemists and chemical engineers.

Research activities: The researches of the Institute's industrial fellowships are concerned primarily with new or improved manufacturing processes, minimizing or utilizing wastes, discovering novel materials, extending present uses or finding new applications for products of chemical industry, and standardizing industrial

practice and products, especially in the domain of chemical technology. The current programs are as follows: abrasives, acid recovery, amines, anthracite, bone products, bread, calcite technology, catalysis, cellulosic molding, ceramic chemicals, chain and welding, chemical hygiene, chemical storage, chicle, cigarette technology, coal products analysis, coke-plant constructional materials, coke-plant physical technology, commodity standards, cork, corn products, cotton properties, disinfectants, felt, food varieties, frictional materials, fur, gas by-products, gas purification, industrial hygiene, insecticides, insulation and roofing, lead, life preserver, lignin, magnesium, metalworking, mineral products, nacre, natural gas, nickel, nitrogen compounds, optical elements, organic synthesis, packaging, paper, petrolatum, petroleum refining, phenol chemistry, piston ring, plastic metals, powder metallurgy, pressing machinery, protected metals, protective coatings, rayon chemistry, refractories, rubber, shaving, silk, soybean, special lubricants, stream improvement, structural glass, sulfur, tape technology, tar constituents, tar derivatives, tar distillation, tar properties, tar synthetics, technical glassware, textile finishing, thread, watch technology, and yeast. (Research initiated 1911.)

Library: 21,000 volumes.

Scientific periodicals: Industrial Hygiene Digest. Nutritional Observatory. Bibliographic Series.

1425. Menasco Manufacturing Company, 805 South San Fernando Road, Burbank, Calif.

President: John C. Lee.

Research staff: 3 chemists, 3 metallurgists, 2 engineers; technical personnel 16; additional personnel 6.

Research activities: Metallurgical investigations; mechanical research: power plant, aircraft hydraulic mechanisms; chemical research: ferrous and nonferrous processing and fabrication. (Research initiated 1942.)

Library: 350 volumes.

1426. Mengel Company, 4th and Colorado Sts., Louisville 1, Ky.

President: A. A. Voit.

Research staff: R. F. Wilder, Manager of research and quality control. 2 chemists, 1 wood technologist; technical personnel 1; additional personnel 3.

Research activities: Finishing materials and adhesives as applied to the furniture industry; other miscellaneous projects concerned with wood stabilization; furniture construction; impregnation of wood with various chemicals, etc. (Research initiated 1938.)