

Professional staff 9: elastomer chemistry; chemical and agricultural engineering; 19 technicians and auxiliaries  
Field of R&D: Research on chemical, high and low temperature and weather resistance of rubber compounds and products including inner tubes, bicycle, industrial and motorcycle tires, radiator hose, and rubber sheeting for various water barrier applications

.2 -Geauga Industries Company (p)  
Middlefield, OH 44062  
(216) 632-8811 TWX: 810-427-2961

Pres: W H Unger  
Professional staff 7: chemistry; engineering  
Field of R&D: Applied research in rubber compounds and custom molded and extruded rubber

.3 -Geauga Plastics Co (p)  
P O Box 320, Crestline, OH 44827  
(419) 683-1500

Exec V Pres & Gen Manager: Morton F Guerine  
Chief Chemist: Thomas W Cain  
Professional staff 1: polymer chemistry  
Field of R&D: Applied research in the field of thermoplastics and thermosets

.4 -International Wire Products Company (pc)  
500 W Main St, Wyckoff, NJ 07481  
(201) 891-5800 TWX: 710-988-5839

Pres & Gen Manager: Robert J Royle  
Chief Engineer: Charles Den Hollander  
Professional staff 6: industrial engineering; chemistry; electrical engineering  
Field of R&D: Applied research concerning electroplated coatings of tin, silver, nickel, gold, and alloys for the aerospace industry

.5 -Malsbary Manufacturing Company (p)  
845 92nd Ave, Oakland, CA 94603  
(415) 632-7272

Pres & Gen Manager: Franklin K Smith  
Dir of Research: Walter F Malsbary  
Chief Engineer: Paul E Zimmerman  
Other Facility: Uniontown, PA  
Professional staff 20: engineering, technicians and auxiliaries  
Field of R&D: Research on water heaters, high pressure washers, steam cleaners, steam generators and related equipment and accessories, such as diaphragm pumps, gas and oil burners and pressure and temperature controls

.6 -Molded Materials Company (p)  
Gillis Ave, Ridgway, PA 15853  
(Mail: P O Box P, Ridgway, PA 15853)  
(814) 773-3185

Pres & Gen Manager: Edward R Zacharias  
V Pres of Engineering: R W Kickel  
Professional staff: 12 technicians  
Field of R&D: Brake lining development

.7 -Tensolite Company (fct)  
198 Main St, Tarrytown, NY 10591  
(194) 631-2300 TWX: 710-567-1202

Pres: George W Heller  
V Pres of Engineering: John P Fay  
Professional staff 4: engineering; 10 technicians and auxiliaries  
Field of R&D: Development of new products and processes for manufacturing of high temperature insulated wire and cable; evaluation of new polymers for use as wire insulations; design and development of special products for specific customer requirements

C48 THE CARLSON COMPANY (cft)  
3457 Weidner Ave  
Oceanside, NY 11572  
(516) 764-8181

President: H Carlson  
Secretary: R Carlson  
Professional staff 4: engineering; 4 technicians  
Field of R&D: Fatigue of mechanical springs; testing of springs for high production; spring failures due to hydrogen embrittlement fatigue and high stress

C49 R H CARLSON CO, INC (pf)  
20 Bridge St  
Greenwich, CT 06830  
(203) 661-9288

Pres: E C McClenachan  
Professional staff 4 (1 doctorate): organic chemistry; electrical engineering; 4 technicians & auxiliaries  
Field of R&D: Studies on epoxy resin curing agents, including evaluation, testing and manufacturing techniques, and epoxy, phenolic, silicone rubber and adhesives

C50 CARNATION COMPANY  
5045 Wilshire Blvd  
Los Angeles, CA 90036  
(213) 931-1191

Pres: D L Stuart  
Sr V Pres of R&D: R D Kummel

.1 -Carnation Research Laboratories  
8015 Van Nuys Blvd, Van Nuys, CA 91412  
(213) 787-7820 Telex: 65-1427

Gen Manager of Research: J M McIntire  
Librarian: Kathryn A Stewart  
Safety Officer: Lloyd T Kester  
Professional staff 96 (15 doctorates): biochemistry; biology; physics; chemical engineering; chemistry; food engineering; electrical engineering; environmental health science; home economics; library science; microbiology; nutrition; statistics and data processing; 74 technicians and auxiliaries  
Field of R&D: Dairy, meat, vegetable and fruit products; and dietary foods; pet foods; farm animal feeds; processing and packaging

C51 CARNEGIE ENDOWMENT FOR INTERNATIONAL  
345 E 46th St  
New York, NY 10017  
(212) 557-0700 Telex: 6-2314 Cable: INTERPAX

Pres: Lowe Hughes  
Other Locations: 11 Dupont Circle NW, Washington, DC 20585  
58 Rue de Moillebeau, 1211 Geneva 19, Switzerland  
Professional staff: 6 technicians  
Field of R&D: International law; international organization; role of military force; research programs relevant to peace issues

C52 CARNEGIE-MELLON INSTITUTE OF RESEARCH  
(Division of Carnegie-Mellon University)  
4400 Fifth Ave  
Pittsburgh, PA 15213  
(412) 621-1100

Pres: G Arthur Webb  
Dir: Harold W Paxton  
Asst Dir: John J McGovern  
Professional staff 62: chemistry; metallurgy; engineering; toxicology; biology; 69 technicians and auxiliaries  
Field of R&D: Basic and applied research in engineering, physics, and metallurgy; environmental research, air pollution; toxicology, economics, operations research, management design

C53 CARPCO RESEARCH & ENGINEERING, INC  
4120 Haines St  
Jacksonville, FL 32206  
(904) 353-3681 Telex: 5-6367 Cable: CARPCO

Pres: P N Carter  
Gen Manager: W E Horst  
Technical Dir: D W Mitchell  
Professional staff 6 (2 doctorates): metallurgical and process design engineering; 8 technicians and auxiliaries  
Field of R&D: Product-oriented research consisting of basic and pilot plant investigations involving high tension (electromagnetic and electrostatic) and magnetic separating techniques

L E CARPENTER & COMPANY  
See Dayco Corporation

C54 CARPENTER TECHNOLOGY CORPORATION  
Front & Bern St  
Reading, PA 19603  
(215) 372-4511 Telex: 83-6432 Cable: CARTECH

Pres: Howard O Beaver, Jr  
Group V Pres of Research, Planning & Divisional Operations: Thomas J Stanton  
Asst V Pres of R&D: Neil J Culp  
Public Relations Officer: Richard J Simpson  
Equal Opportunity Coordinator: Edward R Nussbeutel  
Librarian: Edward R Knouse, Jr  
Safety Officer: Roscoe J Houser  
Professional staff 43 (5 doctorates): chemistry; metallurgy; electrical and industrial engineering; psychology; 97 technicians and auxiliaries  
Field of R&D: Applied research in the development, melting, processing of alloys, including reactive metals, for use at high temperature, corrosion, tool and alloy, stainless, cold-chamber magnetic and expansion fields in the form of billets, bars, tubing, and wire