

PART IV ENTERPRISE LIST

A chapter-by-chapter
index of companies
mentioned

PART I: FROM PROCESS TO PRODUCT

Petroleum and Downstream Products

Companies noted: Agfa, Amoco, ARCO, Bakelite, Bayer, BASF, B.F. Goodrich, British Petroleum (BP), Casella, ChevronTexaco, CNOOC, Dow Chemical, DuPont, Esso, Exxon, ExxonMobil, Firestone, Formosa Plastic Corp., Goodyear, Hercules, Hoechst, Hüls, Imperial Chemical Industries (ICI), I.G. Farben, Kalle, Koopers, Mitsui Chemicals, Mobil, Monsanto, Montecatini, Nippon Petrochemicals, NOVA Chemicals, Petrochemical Industries Co., Phillips Petroleum, SABIC, Saudi Aramco, Shell, Sinopec, Standard Oil Co., Standard Oil of California, Standard Oil of Indiana, Standard Oil of New Jersey, Standard Oil of New York, Standard Oil of Ohio, Sumitomo Chemicals, Union Carbide, U.S. Rubber Co. (Uniroyal), Yangzi Petrochemicals

Irreplaceable Inorganics

Companies noted: Airgas, Air Liquide, Air Products, Allied Chemical & Dye Corp., American Potash and Chemical Corp., Arch Chemicals, BASF (Gallery), Brins Oxygen Co. (BOC), Brunner Mond & Co., Connecticut Oxygen Corp., Dow Chemical Corp., DuPont, Dynamit Nobel, Foote Mineral Co., GFS Chemicals, Hooker Electrochemical Co., Imperial Chemical Industries (ICI), Kerr-McGee Corp., Linde Air Products Co., Liquid Carbonic, Matheson Gas Products, Monsanto, Mobil Oil, Nippon Sanso, National Carbon Co., Occidental Petroleum (OxyChem), Oldbury Electrochemical Co., Olin Corp., OxyChem, Parker Rustproofing

Co., Pennsylvania Salt Manufacturing Co., Pennwalt, Philadelphia Quartz Co. (PQ Corp.), Praxair, Prest-O-Lite Co., Rio Tinto Borax, Solvay Process Co., Stauffer Chemical, Swann Chemical, Tenneco, Union Carbide, United Alkali Co., U.S. Airgas, U.S. Borax & Chemical Co., Victor Chemical Works, Virginia-Carolina Chemical, Wall Chemicals

Agricultural and Food Chemicals

Companies noted: Ajinomoto, Archer Daniels Midland (ADM), BASF, Bayer CropScience, Cargill Co., Cargill Dow Polymers, Cognis Oleochemicals, Dow Corning, DuPont, Eastman, FMC Corp., Gardinier, Geigy Chemical Co., Grain Processing Corp. (GPC), Grasselli Chemical Co., Henkel KGaA, Hubinger Co., Isochem, ISP, M. W. Kellogg Co., Mitsubishi, Monsanto, Morton Salt, Novartis, Nutrinova, Omega Protein Co., PURAC, Rohm and Haas, Roquette America, Stepan Co., Syngenta, Velsicol Corp., Zeneca

Paints, Pigments, and Dyes

Companies noted: ADM, Akzo Nobel, American Motors, Angus Chemical Products, BASF, Benjamin Moore, B.F. Goodrich, BMW, Chrysler, CIBA, Crompton, DaimlerChrysler, Degussa, Dock Resins, Dover Chemical Co., DuPont, Ferro, Ford, Geigy, General Electric (GE), General Motors (GM), Glidden, Herberts GmbH, Hoechst, Imperial Chemical Industries (ICI), Karl

Albert Co., Lubrizol, Minnesota Mining and Manufacturing Co. (3M), Muresco, National Lead, Noveon, OMG, PPG Industries, Resin Products, RPM International, Rust-Oleum, Sherwin-Williams, Stoner-Mudge, Valspar, Volvo, Volkswagen, Wacker Group

Specialty Chemicals

Companies noted: Air Products, Albemarle, Allied Colloids, American Cyanamid, American Home Products, Arch Chemicals, Aventis, BASF, Bayer, Ciba-Geigy, Ciba Specialty Chemicals, China Wanda Group, Clariant, Cytec Industries, Degussa, DuPont, Eastman Kodak, Ethyl, Geigy, Henkel, Hercules, Hoechst, Hoechst Specialty Chemicals, Imperial Chemical Industries (ICI), Karl Albert Co., Kline & Co., LeaRonald, Loctite, Monsanto Chemical Works, Novartis, Olin, Petrolite, Philip A. Hunt Chemicals, Praxair, Resin Products Co., Rhodia, Rhône-Poulenc, Rodel, Rohm and Haas, Sandoz, Shipley, Unilever, W.R. Grace, Wyeth, Yaryan Rosin & Turpentine Co., Zeneca

Fine Chemicals

Companies noted: Abbott Laboratories, Arsenal Capital Partners, Arthur D. Little, Avecia, Boehringer Ingelheim, BTP, Cambrex, Cascade Biochem, Chirex, Clariant, Degussa, Dow, DSM, E.I. duPont de Nemours (DuPont), Eastman Chemical, Eli Lilly, Fine Organics, G. D. Searle, Great Lakes Chemical, Helsinn, Honeywell, Hovione, I.G. Farben, J. T. Baker, Kohlberg Kravis Robert, Laporte Performance Chemicals, Lonza, Macfarlan Smith, Mallinkrodt Chemical, Meconic, Merck, MG Technologies, Oxford Asymmetry, PFC, Pharm-Eco, Rhodia, Rhoner, Rockwood Specialties Group, Rutherford Chemicals,

Siegfried, Sigma Aldrich, Solutia, E. R. Squibb & Sons, SmithKline, Syntex, Ultrafine

Moving to Medicines

Companies noted: Abbott Laboratories, Accelrys, Advanced Chemistry Development, American Home Products, Applied Biosystems, Aventis, Bayer, Beckman Coulter, Beecham's Pills, Boehringer Ingelheim, Bristol-Myers Squibb, Burroughs Wellcome and Co., Caliper Life Sciences, Caliper Technologies, Chemical Diversity, Discovery Partners International, Eli Lilly, Entelos, Genomic Solutions, Gilson, Glaxo, GlaxoSmithKline (GSK), Hoechst, IBM, I.G. Farben, John K. Smith & Co., Johnson & Johnson, Kalle and Co., Maybridge, Mcleans, Merck, Novartis, Pharmacia, Pfizer, Rhône-Poulenc, Roche, Sankyo Co., S. E. Massengill Co., SmithKline Beecham, Squibb, SRI International, Tripos, Wallace Laboratories, Zymark

Biotechnology and Genetic Engineering

Companies noted: Abbott Laboratories, AGY Therapeutics, Amgen (Immunex), Applied Molecular Genetics (Amgen), Biogen, Celera Genomics, Cetus Corp., Cytokinetics, Eli Lilly, Genentech, Genzyme, Hoffman-La Roche (Roche), Human Genome Sciences, Hybritech, IDEC Pharmaceuticals, Immunex, K&E Management, Kleiner Perkins, Millennium Pharmaceuticals, PerkinElmer

PART II:

INSTRUMENTS AND INDUSTRIES

Capitalizing on Chromatography

Companies noted: Agilent, Alltech, Applied Biosystems, Barber-Colman, Beckman Coulter, Bendix Corp., Bio-Rad, Burdick & Jackson (Honeywell), Burrell Corp., Dionex, Dow, DuPont, Eldex, Finnigan (Thermo Finnigan), F&M, Fisher Scientific, Gilson, HP, ISCO, Merck, Metrohm-Peak, PerkinElmer, Podbielniak, Quadrex, Restek, SGE, Shimadzu, Supelco, Thermo Electron, Varian, VG Instruments (Thermo), Waters, W. G. Pye & Co.

Seeing with Spectroscopy

Companies noted: Adam Hilger, Agilent, American Cyanamid, American Instrument Co., Applied Physics Corp., Bausch & Lomb, Beckman Coulter, Beckman Instruments, Bomem, Bruker, Central Scientific Co.,

Coleman Instruments, Digilab, DuPont, General Electric, Hewlett-Packard, Hitachi, Jasco, JEOL, JY Horiba, Humble Oil, Maidak, National Technical Laboratories (NTL), Nicolet, PerkinElmer, Renishaw, Shell, Shimadzu, Thermo Electron, Varian Associates

Spectacular Spectrometry

Companies noted: Analytica, Atlantic Refining Corp., Applied Physics Corp., Arthur D. Little, Bendix Aviation Corp., Bergmann Messgeraete Entwicklung KG, Bruker Daltonics, Cambridge Mass Spectrometry (CMS), Comstock, Consolidated Engineering Corp. (CEC), DuPont, Electronic Associates, Inc. (EAI), Finnigan, Hewlett-Packard, Hitachi, Inficons, JEOL, Kore, Kratos, Leybold, Leybold Inficons, Mess und Analysen-Technik (MAT), Metropolitan Vickers, Micromass, PerkinElmer, SCIEX, Shimadzu, Spectrospin, Thermo, Varian, Varian MAT, Waters, Westinghouse

Boundless Biotech

Companies noted: Accelrys, Affibody AB, Affymetrix, Agilent Technologies, Applied Biosystems, ArrayIT, Bayer Diagnostics, BD Biosciences Pharmingen, Beckman Coulter, Bio-Rad, Cambridge Antibody Technology, Cetus Corp., Chemical Computing Group, Chiron Corp., Ciba Corning, CIPHERgen Systems, Digital Equipment Corp. (DEC), Genomic Solutions, High Throughput Genomics, LumiCyte, NextGen Sciences, PerkinElmer, Perseptive Biosystems (Biosearch), Pierce Biotechnology, Roche Molecular Systems, Syntex, TriLink Technologies, Tripos, Union Biometrica, Vega Biotechnologies, Waters Corp.

Ancillaries and Analyzers

Companies noted: Beckman Coulter, Beckman Instruments, Bruker AXS, Cole-Parmer, Corning, Honeywell International, Kendro/Sorvall, Kimble Glass, Kimble/Kontes, Laboratory Construction Co. (Labconco), Lees and Northrup Co., Metrohm, Mettler, Mettler-Toledo, Millipore, National Technical Laboratories (NTL), Ohaus, Oxford Cryosystems, Rigaku/MS, Sartorius Corp., Shimadzu, Siemens, Spinco (Specialized Instrument Corp.), Thermo Electron Corp., Thermo IEC, Thermo Orion, Veeco, Whatman

Computers and Automation

Companies noted: Accelrys, Affymetrix, Apple, Applied Biosystems, Beckman Coulter, Biosym Technologies, Caliper Life Sciences, Caliper Technologies,

CambridgeSoft, Celera Genomics, Chemical Abstracts Service (CAS), Chemical Designs, Digital Equipment Corp. (DEC), Dow, Fisher Scientific, Gaussian, Health Designs, Hewlett-Packard, Hitachi, Hypercube, IBM, Incyte Corp., Interactive Simulations, LION bioscience AG, Merck, Microsoft, MDL Information Systems, Molecular Designs, Molecular Simulations, Nelson Analytical, Oxford Molecular Group, PerkinElmer, Pharmacopeia, Polygen, Procter & Gamble, Q-Chem, SciVision, Shimadzu, Symyx Technologies, Synopsis Scientific Systems, Tecan, Torial Technologies, Tripos, Varian, Waters, Zymark

Lab Equipment, Tools, and Widgets

Companies noted: Alltech, Arthur H. Thomas (Thomas Scientific), J. T. Baker, Becton Dickinson, Barnstead/ThermoLyne, Biotage/Personal Chemistry, Büchi, CEM, Cole-Parmer, DuPont, Eberbach, Eppendorf, Gilson, Hamilton, Heidolph, HEMCO, Hotpack (SP Industries), Johnson Matthey, Labconco, Lovell Chemical, Mettler Toledo, MicroCal, Millipore, Netzsch Instruments, NuAire, Paar Instrument Co., Proton Energy Systems, Restek, Rheodyne, Scientific Materials (Fisher Scientific), Sargent-Welch, SGE, Supelco, Swagelok, TA Instruments, Teledyne, Upchurch, VICI (Valco), VWR Scientific Products (VWR International), Waters, Whatman

Niches and Nanotech

Companies noted: Aclara Biosciences, Affymax, Affymetrix, Agilent Technologies, Argonaut Technologies, ARIAD Pharmaceuticals, Asylum Research, Athena Neurosciences, Bell Labs, Busicom, Caliper Technologies (Caliper Life Sciences), Canon, Cepheid, C Sixty, Digital Instruments, Evident Technologies, Fairchild Semiconductor, Fast Track Systems, Frontier Carbon Corp., Fluidigm, Genentech, GenPharm International, HP, Gyros, IBM, Idun Pharmaceuticals, Illumina Technologies, Intel, JEOL, Leica, Lockheed Martin, Mach I, Mitsubishi Chemical Corp., Molecular Imaging, Motorola, Nanofactory, Nanostream, Nanosys, National Semiconductor, NEC Japan, Neurocrine Biosciences, Omicron Nanotechnology, Onyx Pharmaceuticals, Orchid Technologies, Park Scientific, Pharmacopeia, QuantumDot, RCA, RHK Technology, Siemens, SLS Micro, Surface-logix, Texas Instruments, ThermoMicroscopes, TopoMatrix, Waters, Westinghouse, Veeco, Vertex Pharmaceuticals ♦