

International Technology Directory

Licensing Executives Society
Technology Directory Committee
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LES INTERNATIONAL TECHNOLOGY DIRECTORY

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TECHNOLOGY CATEGORY: 01 FOOD PRODUCTS AND PROCESSING

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Academic Catalyst Corp.	Kunstadt, L.P.	BOTH	
Borden, Inc.	McSweeny, P.E.	IN	
Clorox Company, The	Westbrook, S.M.	BOTH	
Continental Can Company	Hepp, W.R.	OUT	Closing equipment for food processing
Corning Incorporated	Craig, C.P.	IN	Containers and packaging
Dako Corporation	Brooks, S.	BOTH	Confectionary products
Dow Brands	Price, S.J.	IN	For health and aging
Dow Chemical Company, The	Manfroy, W.	IN	
E.I. DuPont De Nemours & Co., Inc.	Leitch, R.E.	BOTH	
Ecolab	Ossanna, O. A.	IN	Cleaning, sanitizing process equipment only
General Mills Europe	Hanford, J.	OUT	
H.J. Heinz Company	Bierkan, D.A.		
Hercules Incorporated	Wagner, R.L.	BOTH	Flavors, fragrances, food gums, other food ingredients
	Walsh, R.M.	BOTH	Flavors, fragrances, food gums, other food ingredients
KV Pharmaceutical Company	Kirschner, M.I.	BOTH	
Kraft General Food	Staackmann, J.W.	IN	Dairy products/processing & vegetable oil processing
Laff, Whitesel, Conte & Saret	Whitesel, J.W.		
Martin Manco & Company, Inc.	Matlack, L.R.	IN	Rapid microbiological methods-total count & specific items
Petrolite Corporation	Mange, F.E.	OUT	
Strateccon	Beck, C.I.	BOTH	Broad experience in foods & ingredients
University of Alberta Hospitals	Nyland, B.	OUT	Institutional food products

TECHNOLOGY CATEGORY: 02 TEXTILE PRODUCTS AND PROCESSING

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Chicopee (A Johnson & Johnson Affiliate)	Whitaker, H.L. Jr.	BOTH	Nonwovens
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Production technologies
Dow Chemical Company, The	Manfroy, W.	IN	
E.I. DuPont De Nemours & Co., Inc.	Leung, P.S.	OUT	Textile processing technology
Ecolab, Inc.	Ossanna, O.A.	IN	
Gates Corporation, The	Castleman, C.	BOTH	Molded non-woven fibrous panels-e.g. auto trunk liners
Gencorp, Inc.	Rote, F.C.	IN	
Milliken Research Corporation	Gardner, D.W.	BOTH	
Rhone Poulenc	Flichy, L.	BOTH	Spinning & drawing of nylon 66 & polyester
Sandoz Chemicals Corporation	Rosenfeld, M.	IN	
Sandys Overseas Ltd.	Flisi, F.L.	BOTH	
Smith & Nephew PLC	Horlington, M.	BOTH	Cotton & allied fibres, spinning, weaving & finishing

TECHNOLOGY CATEGORY: 03 SYNTHETIC FIBER (FIBER PRODUCTION, PROCESSING AND RAW MATERIALS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Chicopee (A Johnson & Johnson Affiliate)	Whitaker, H.L. Jr.	BOTH	
Chemtex International	Harker, G.H. McGannon, T.H. Rangra, V. Shah, S.I.		
E.I. DuPont De Nemours & Co., Inc.	Leung, P.S.	OUT	Polyester, acrylic, nylon 6.6. spunbonded polypropylene fiber products
Hercules Incorporated	Wagner, R.L.	BOTH	Polyolefin fiber & synthetic pulp
	Walsh, R.M.	BOTH	Polyolefin fiber & synthetic pulp
Milliken Research Corporation	Gardner, D.W.	IN	
USG Corporation	Born, A.	BOTH	Inorganic fiber production & processing

TECHNOLOGY CATEGORY: 06 PETROLEUM REFINING, PRODUCTS AND PROCESSING

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Amoco Corporation	Tolpin, T.W.	BOTH	Petroleum refining & service station equipment
Bend Research, Inc.	Lowell, J.R., Jr.		Gas separations
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Conversion technologies, coal gasification and advanced control
Champlin Refining & Chemicals	Nagy, A.	BOTH	
HRI, Inc.	Wisdom, L.I.	OUT	Heavy oil upgrading
Laff, Whitesel, Conte & Saret	Whitesel, J.W.		
Lummus Technology Division	Casamayou, J.M.	BOTH	
M.W. Kellogg Company, The	Peterson, J.L.	BOTH	Refining processes
Mobil Oil Corporation	Howard, D.J.	BOTH	
Petrolite Corporation	Mange, F.E.	IN	Process aids for petroleum refining
Shell Inter. Research Maatschappij B.V.	Van Zutphen, J.A.	BOTH	
Shell Oil Company	Altman, D.	BOTH	
Statoil	Lorentzen, G.B.	BOTH	
Tosoh Corporation	Stockel, R.F.	BOTH	Steam cracking of naphtha, C5 purification EG.
Texaco Development Corporation	Kulason, R.A.	BOTH	Lubricants manufacturing technology

TECHNOLOGY CATEGORY: 07 RUBBER AND PLASTIC PRODUCTS AND PROCESSING

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Allied-Signal, Inc.	Segal, L.	BOTH	
Chicopee (A Johnson & Johnson Affiliate)	Whitaker, H.L., Jr.	BOTH	
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Production technologies
Cardolite Corporation	Stonis, A.M.	IN	Resins and additives
Dow Chemical Company, Inc.	Manfroy, W.	BOTH	
	Wintermyer, R.L.	BOTH	
Dunlop International Technology Ltd.	Robertson-Kellie, A.	OUT	
E.I. DuPont De Nemours & Co., Inc.	Coburn, M.M.		Automotive applications
Gates Corporation, The	Castleman, C.	BOTH	Rubber products; transmission belts, hose & accessories
Gencorp, Inc.	Rote, F.C.	BOTH	
Nokia Corporation	Heinila, T.		Tires
SKF Nova AB	Adolfsson, R.	IN	
Sandys Overseas Ltd.	Flisi, F.L.	OUT	
Sanford De Mexico SA DE CV	Santoyo, E.M.		
Shell International Petroleum Co., Ltd.	Buller, R.F.	BOTH	
Tosoh Corporation	Stockel, R.F.	BOTH	Performance elastomers
Uniroyal Goodrich Tire Company	Pavelka, S.W.	OUT	Tires, tire cord, synthetic rubber (SBR)

TECHNOLOGY CATEGORY: 08 STONE, GLASS, CLAY PRODUCTS AND PROCESSING

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Corning Incorporated	Craig, C.R.	BOTH	Glass, glass ceramics and ceramics processing
Designer Blocks, Inc.	Dean, R.W., Jr.	OUT	Concrete masonry and landscape products
Foseco PLC	James, A.M.	IN	Low density ceramics
USG Corporation	Born, A.	BOTH	Mineral and glass fibers
Villeroy & Boch AG	Planz, J.E.	BOTH	Ceramic tiles

TECHNOLOGY CATEGORY: 09 METALS (SMELTING, REFINING AND STEEL MAKING)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
AB SKF	Kristiansen, A.P.		Steel making
Alcan Aluminum Limited	Mandeville, M.	BOTH	Aluminum-structured vehicles technology carbon, stainless and electrical steels, white cast irons and intermetallic alloys
Armco Inc.	Heckler, A.J.		Carbon, stainless and electrical steels, white cast irons and intermetallic alloys
Armco Steel Company L.P.	Cloran, L.M.	OUT	Blast FCE coal injection and metallic coatings
Autochem North America	Niazy, S.	BOTH	Cleaners, rolling oils, etc. for steel mills
BHP Co., Ltd.	Walker, J.H.	BOTH	
Dow Chemical Company, The	Manfroy, W.	IN	
Esco Corporation	Gilronan, S.	BOTH	
Foseco PLC	James, A.M.	BOTH	Specialty chemicals to foundry steel & non-ferrous metal industries

TECHNOLOGY CATEGORY: 12 INDUSTRIAL ORGANIC CHEMICAL PRODUCTS AND PROCESSING
(SYNTHETIC, COAL, BIO- AND PETRO- CHEMICALS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
3M	Paterson, W.G.	BOTH	
Abbott Laboratories	Crovetti, A.J.	IN	Biochemicals, generic drugs
Air Products & Chemicals, Inc.	Brenner, M.S.	IN	Vinyl, nitrogen and fluorine-containing chemicals and polymers
American Cyanamid	Douchis, H.		Polymers for waste treatment. Water purification, paper and mining; coatings, polymer additives; adhesives, chemiluminescent products, organometallics
Arco Chemical Company	Braunstein, D.M.	BOTH	PQ/C2 based solvents/chemicals, derivatives
	Linden, R.H.	BOTH	PO/C4 based solvents, chemicals, derivatives
Autochem North America	Wagner, L.A.	BOTH	
Babcock Contractors Ltd.	Gosden, D.V.	BOTH	General organic and petro-chemicals production and processing
Bend Research, Inc.	Lowell, J.R., Jr.		Chiral synthesis, waste treatment
CTC & Associates	Blaich, C.	OUT	Emphasis on coal/oil conversion to gas
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Production technologies (monomers and fine chemicals)
Cardolite Corporation	Stonis, A.M.	IN	Products into the friction, coatings, rubber industries
Celgene Corp.	Fithian, L.E.	IN	Novel technology for asymmetric/chiral synthesis
Champlin Refining & Chemicals	Nagy, A.	IN	Aromatic petrochemicals
Chemgen Corp.	Helmes, E.B.	BOTH	Specialty monomers; fine chemicals; enzymes
Chemtex International	Harker, G.H.		Petro-chemicals
	McGannon, T.H.		Petro-chemicals
	Rangra, V.		Petro-chemicals
	Shah, S.I.		Petro-chemicals
Chisso Engineering Co., Ltd.	Tanaka, M.	BOTH	
Clorox Company, The	Westbrook, S.M.	BOTH	Aqueous oxidation chemistry, aqueous suspending agents and aqueous thickening
Dow Chemical Company, The	Manfroy, W.	BOTH	
Eastman Chemical Company	McDaniel, E.L., Jr.	IN	Aliphatics
Ethyl Corporation	Plonsker, L.	IN	Specialty chemicals and materials
Ferro Corp.	Purcell, T.O.		Plastics additives (stabilizers, colors, modifiers)
Fina Technology, Inc.	Davis, S.	OUT	Styrene monomer; manufacturing process
Gencorp, Inc.	Rote, F.C.	IN	
HRI, Inc.	Wisdom, L.I.	OUT	Aromatics processing
Hercules Incorporated	Wagner, R.L.	BOTH	Water soluble polymers, paper chemicals, adhesive and ink resins
	Walsh, R.M.	BOTH	Water soluble polymers, paper chemicals adhesive and ink resins
Lummus Technology Division	Casamayou, J.M.	BOTH	
M.W. Kellogg Company, The	Peterson, J.L.	BOTH	Petro-chemical and commodity processes
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Mobil Oil Corporation	Howard, D.J.	BOTH	
NKK Corporation	Saito, H.	IN	
Nobilent, Inc.	Dolfini, J.E.	BOTH	Pharmaceuticals intermediates
Repap Technologies, Inc.	Klein, W.R.	BOTH	Phenolic resins and natural substitutes for phenolics
Research & Development Institute, Inc., The	Flair, R.N.	OUT	Processes to control biofouling
Rhone Poulenc	Flichy, L.		
Rohm	Suzuki, K.	BOTH	Japan
Shionogi & Col, Ltd.	Nadier, P.	BOTH	Human
Sandoz Chemicals Corporation	Rosenfeld, M.	IN	
Scientific Design Company, Inc.	Muenz, K.	OUT	Ethylene oxide, ethylene glycol and maleic anhydride
Shell International Petroleum, Company, Ltd.	Buller, R.F.	BOTH	
Shell Oil Company	Altman, D.	BOTH	Olefins, aromatics, surfactants, solvents, catalysts, petrochemicals
Statoil	Lorentzen, G.B.	BOTH	
Tago, Inc.	Bland-Vorwald, C.E.	IN	Fluorochromes for diagnostics and research
Tosoh Corporation	Stockel, R.F.		Polymer additives, intermediates, halogen containing compounds; herbicides and fungicides
Taki Chemical Co., Ltd.	Tukamoto, J.	BOTH	
Texaco Development Corporation	Kulason, R.A.	BOTH	Coal processing & utilization/coal conversion
Upjohn Company, Ltd.	Schwartz, P.B.	OUT	

TECHNOLOGY CATEGORY: 13 AGRICULTURAL CHEMICALS (FERTILIZERS AND PESTICIDES)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Abbott Laboratories	Crovetti, A.J.	IN	Biochemical pesticides, plant growth regulators
Autochem North America	Wagner, L.A.	BOTH	
Babcock Contractors, Ltd.	Gosden, D.V.	BOTH	Phosphate and nitrate fertilizers
Bayer AG	Kaul, R.	IN	
Bend Research, Inc.	Lowell, J.R., Jr.		Controlled-release pesticides
CTIP Compagnia Tecnica Inter. Progetti SPA	Sartori, M.		Pesticides production and formulation

TECHNOLOGY CATEGORY: 14 DRUGS (HUMAN AND ANIMAL MEDICINAL PRODUCTS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Gensia Pharmaceuticals, Inc.	Hee, J.M.		Cardiovascular, neurological, metabolic and inflammatory diseases
	Laikind, P.K.		Cardiovascular, neurological, metabolic and inflammatory diseases
Genta, Inc.	Simon, L.N.	BOTH	Anti-sense oligodeoxynucleotides as antivirals
Glaxo Canada, Inc.	Kalina, D.	BOTH	Human drugs
Glycomed Incorporated	Atwood, B.G.		
H.G. Pars Pharmaceutical Laboratories, Inc.	Pars, H.	OUT	For severe to moderate pain and glaucoma
HK Biomedical, Inc.	Huber, W.	BOTH	Peptides, proteins, lipids and antioxidants
Hafslund Nycomed AS	Paulssen, R.B.		Excluding animal health products
Harvard Medical School	Corey, G.	BOTH	As it relates to cancer
Hausmann/Vifor	Duccini, G.	BOTH	For human use, particularly OTC
IAF Biochem International, Inc.	Robusto, R.	BOTH	Chemical therapeutics for diseases involving the immune system
ICI Pharmaceuticals Group	Francis, R.P.	BOTH	Ethical pharmaceuticals, cardiovascular, CNS, anti-cancer, pulmonary, arthritis, antibiotics and metabolism
Italfarmaco SPA	Brochetti, D.G.	BOTH	Blood and clotting, cardiovascular, neurology, immunology, oncology, bioactive peptides
KV Pharmaceutical Company	Kirschner, M.I.	BOTH	
Lipha	D'Granel, J.M.		Diabetes, cardiovascular and respiratory
Laboratoires Debat	Lemoine, J.	BOTH	
Laboratorios Dr. Esteve, S.A.	Tost, R.	BOTH	Drugs (for human and veterinary use)
Lenti-Chemico Pharmaceutical Laboratory, Inc.	Gordon, M.	IN	
Liposome Technology, Inc.	Mufson, D.	BOTH	Drug delivery systems
Mallinckrodt Medical, Inc.	Klostermann, R.J.	BOTH	In vivo human diagnostic products
Merck & Co., Inc.	Barringer, G.	BOTH	
Merck Sharp & Dohme	Inouye, M.K.	BOTH	
Merckle, GMBM	Strugala, G.	BOTH	
Mieji Seika (USA) Inc.	Wimpfheimer, L.	BOTH	Relating to pharmaceuticals - human & animal medicinals
Nippon Roche K.K.	Shimaura, Y.	BOTH	Anticancer, antibacterials, cardiovascular, CNS of Japanese companies
	Ueda, T.	BOTH	Anticancer, antibacterials, cardiovascular, CNS of Japanese companies
Nobilent, Inc.	Dolfini, J.E.	BOTH	
Norwich Eaton Pharmaceuticals, Inc.	Denning, G.S., Jr.		Human medicinal products for bone, cardiac, antibacterial and respiratory applications
Novo Nordisk Pharmaceuticals, Inc.	Lauritano, A.A.	BOTH	Hormones, diabetes and hemastasis
Pfizer, Inc.	Gardiner, G.A.	BOTH	
	Hammant, C.A.	IN	
Pharmacepts Associates, Inc.	Meschino, J.A.	BOTH	
Purdue Frederick Co., The	Bugbee, H.	BOTH	Human ethical pharmaceuticals
R.W. Johnson Pharmaceutical Research Institute	Essery, J.M.	BOTH	
Reid-Rowell Pharmaceuticals	Feldhouse, J.H.	IN	Central nervous system; endocrinology, gastroenterology, cardiovascular, disease
Research and Development Institute, Inc., The	Flair, R.N.	OUT	Animal vaccines and diagnostics
Rhone Poulenc	Flichy, L.		
Roberts Pharmaceutical Corporation	Rascio, A.A.	BOTH	Approved human pharmaceuticals
Rorer Health Care UK Ltd.	Lloyd, P.B.	BOTH	Gastro-intestinal, cardiovascular and bone
Schering-Plough Corporation	Breiner, W.J.	BOTH	
Shiseido Co., Ltd.	Mori, R.	IN	Percutaneous, releasing preparations
Smith & Nephew PLC	Horlington, M.	BOTH	Topical ophthalmics, dermatologicals, antibacterials, intravenous vials, delivery systems
Smith Kline & French S.P.A.	Bigi, P.A.		Gastrointestinal, cardiovascular and vaccines
Smith Kline Beecham	Dillon, J.H., II	BOTH	Human medicinal products
	Kohn, N.M.	BOTH	
Sola/Barnes-Hind	Geeting, D.G.	IN	Ophthalmic drugs and delivery systems
Stiefel Labs., Inc.	Brown, C.H., Jr.	BOTH	Limited to dermatological and pediatric products
Synbiotics Corporation	Soulds, G.A.	IN	
Synergen, Inc.	Abbott, G.B.	BOTH	Recombinant protein pharmaceuticals
	Saxe, J.S.	BOTH	Recombinant protein pharmaceuticals
T Cell Sciences, Inc.	Pickering, L.A.	BOTH	As related to effect on immune system
Technology Catalysts, Inc.	Dicicco, R.L.	BOTH	Drug delivery systems for all types
UCL Limited	Goldspink, M.	BOTH	ESP, clinical trials
Unimed, Inc.	Toueman, D.	BOTH	Anticancer drugs (human)
Upjohn Company, The	Damson, W.A.	BOTH	Human CNS and CV. antibacterials for human and vet use, OTC's
	Schwartz, P.B.	IN	
Upsher-Smith Laboratories	O'Neill, V.	BOTH	Sustained release, effervescent, taste masking, rectal/vaginal, private label
Warner Lambert	Walsh, R.J.	BOTH	Drugs, both prescription and non-prescription
Whitehill Oral Technologies, Inc.	Brown, D.G.	OUT	For periodontal and gingival diseases
Wyeth-Ayerst Laboratories	McDermott, L.J.		

TECHNOLOGY CATEGORY: 17 PAINTS, VARNISHES, COATING AND ADHESIVES

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Rohm & Haas Japan K.K.	Suzuki, K.	BOTH	
Sanford De Mexico SA DE CV	Santoyo, E.M.		
Spencer (Aberdeen) PLC	Findlay, W.J.		High performance and intumescent
Tosoh Corporation	Stockel, R.F.		Hot melt and pressure sensitive adhesives
The Kendall Company	Scahill, E.J., Jr.	BOTH	Coatings, adhesives and tapes
USG Corporation	Born, A.	BOTH	Adhesives, coatings and wood care products

TECHNOLOGY CATEGORY: 18 COMPUTERS, DATA TRANSMISSION, COMMUNICATIONS AND SOFTWARE

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
ANT Nachrichtentechnik GMBH	Huber, B.	BOTH	Telecommunication systems; including microwave, multiplex, space and cable systems
Arco Oil and Gas Company	Bradley, W.S.	BOTH	Software and expert systems
Alta-Can Telecom, Inc.	Raymont, M.E.	BOTH	
Boeing Company, The	Hanna, J.	OUT	Manufacturing, testing and control equipment and software
Calcomp, Inc.	Porter, W.F., Jr.	BOTH	Computer graphics peripherals devices, such as displays, computer graphics circuits, digitizing equipment, plotters and printers
Corning Incorporated	Craig, C.R.	BOTH	
Entel	De Los Santos, M.	BOTH	Communications and software
Gensis Integrated Systems	Marklund, R.G.	BOTH	Education and training software, CD-ROM, CD-I, DVI, CD-WO, interactive video, optical storage
Hydro Fertilizers Limited	Anthony, Mrs. S.K.		
Illinois Tool Works, Inc.	Beart, R.W.		
Indiana Corp. for Science & Technology	Willey, T.F.	OUT	
Innovatron	Moulin, J.	BOTH	Smart cards IC and smart cards IC applications
Kobe Steel, Ltd.	Tochi, K.	BOTH	Data transmission, communications and software
Laff, Whitesel, Conte & Saret	Whitesel, J.W.		
Loftware, Inc.	Anderson, W.R.		Industrial and manufacturing bar code printing and data collection software
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Microelectronics Center of North Carolina	Anderson, W.H.	OUT	VLSI simulation, modeling, advanced packaging, plasma etching
NKK Corporation	Saito, H.	IN	
Nokia Corporation	Heinila, T.		Information technology, data modems telecommunications networks (public, dedicated and cellular networks). Mobile phones, paging equipment and telecommunication cables
OKI Electric Industry Co., Ltd.	Hiroo, T.	BOTH	
Research & Resources, Inc.	Westermann, D.H.	OUT	Computer software
Techmet Corporation	Allen, H.E.	BOTH	
Telefonica	Lobo, I.	BOTH	
UCLI Limited	Goldspink, M.	BOTH	ESP. directory services, multimedia documents & conferencing knowledge-based systems and parallel architectures
University of Alberta Hospitals	Nyland, B.	OUT	Health oriented software
Upjohn Company, The	Schwartz, P.B.	OUT	

TECHNOLOGY CATEGORY: 19 ELECTRICAL AND ELECTRONIC EQUIPMENT (TRANSMISSIONS, INDUSTRIAL APPARATUS, HOUSEHOLD APPLIANCES, SECURITY, SAFETY AND WARNING ALARMS PLUS VIDEO AND SOUND REPRODUCTION)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Alta-Can Telecom, Inc.	Raymont, M.E.	BOTH	
Boeing Company, The	Hanna, J.	OUT	Manufacturing, inspection, testing, control dielectric materials, electronic packaging and data storage/transmission
Corning Incorporated	Craig, C.R.	BOTH	Dielectric materials, electronic packaging and data storage/transmission
Gates Corporation, The	Castleman, C.	BOTH	Rechargeable lead-acid and Ni-CD batteries
Gillette Company, The	Gale, W.S.	BOTH	Small household and personal care appliances
Innovatron	Moulin, J.	BOTH	Modems, security and safety devices
Laff, Whitesel, Conte & Saret	Whitesel, J.W.		

TECHNOLOGY CATEGORY: 22 ENERGY (GENERATION, DISTRIBUTION AND CONTROLS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
BP Ventures	Smith, D.		
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Cogeneration, district heating, combined cycles
Corning Incorporated	Craig, C.R.	BOTH	Energy reduction and recovery
Gates Corporation, The	Castleman, C.	BOTH	Rechargeable lead-acid and NI-CD batteries
HRI, Inc.	Wisdom, L.I.	OUT	Clean coal technology
Man B&W Diesel Aktiengesellschaft	Hehn, H.	OUT	Diesel generating units
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Nokia Corporation	Heinila, T.		Power transmission and distribution networks and capacitors
USG Corporation	Born, A.	BOTH	High temperature furnace & calciner design & pulverized coal fuel

TECHNOLOGY CATEGORY: 23 POLLUTION CONTROL (GAS, LIQUID AND SOLID)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Bend Research, Inc.	Lowell, J.R., Jr.		
Boeing Company, The	Hanna, J.	OUT	Wastewater treatment
CTC & Associates	Blaich, C.	OUT	Emphasis on treatment of toxic wastes such as PCB's
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Disposal technologies
Corning Incorporated	Craig, C.R.	BOTH	Air pollution control technologies for particulate and NOX
Dow Chemical Company, The	Manfroy, W.	IN	
E.I. DuPont DeNemours & Co., Inc.	Leung, P.S.	OUT	Energy conservation and pollution control technology
Gencorp, Inc.	Rote, F.C.	IN	
Laff, Whitesel, Conte & Saret	Whitesel, J.W.		
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Martin Manco & Company, Inc.	Matlack, L.R.	BOTH	Flameless ashing & general infectious waste management
McLanahan Corporation	McLanahan, M.W.	IN	Machinery used in sewage sludge treatment
Parkson Corporation	Souther, G.P.	IN	Water treatment
Passamaquoddy Technology	Perkins, D.W., Jr.	OUT	Technologies controlling air and ash pollution and producing useful by-products for fossil fuel-fired and municipal waste-fired boilers
Rhone Poulenc	Flichy, L.	OUT	Control of Nox emission from nitric acid plant
Roberts Pharmaceutical Corporation	Rascio, A.A.		Air pollution control as it relates to fossil fuel burning utilities
Sandoz Chemicals Corporation	Rosenfeld, M.	IN	
Shell Inter. Research Maatschappij, B.V.	Van Zutphen, J.A.	BOTH	
Texaco Development Corporation	Kulason, R.A.	BOTH	Pollution control: coal and oil gasification
USG Corporation	Born, A.	BOTH	Flue gas scrubbing and waste solidification
Union Carbide Canada Limited	Filipovic, D.	OUT	Recovery of halogenated hydrocarbons, such as CFC's freons, etc.; water purification system
Weyerhaeuser Company	Taylor, C.	BOTH	Pollution control, gas, liquid and solid

TECHNOLOGY CATEGORY: 24 INSTRUMENTS, DEVICES, CONTROLS AND SYSTEMS

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Arco Oil and Gas Company	Bradley, W.S.	BOTH	Those used with gas and oil
Airmuscle Limited	Hennequin, J.	OUT	Proportional pneumatic controls
Allergan, Inc.	Ridley, P.T.	IN	
Alta-Can Telecom, Inc.	Raymont, M.E.	BOTH	
BP Ventures	Smith, D.	OUT	
Becton Dickinson & Co.	Huguet, G.	IN	Instrument, reagent systems for hospital and physical laboratories
Boeing Company, The	Hanna, J.	OUT	Measurement, inspection, NDT, process control, chemical sensors
Corning Incorporated	Craig, C.R.	IN	Temperature, physical and chemical sensors and control systems for high temperature process
Gencorp, Inc.	Rote, F.C.	IN	
Henkel Corporation	Harrison, J.W.	OUT	Metal, prepaint treatments, plastics
Illinois Tool Works, Inc.	Beart, R.W.		
Indiana Corp. for Science & Technology	Willey, T.F.	OUT	
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Quartztronics, Inc.	Wood, O.W.	OUT	Sensors & transducers - pressure, force, weight temperature
Radiometer A/S	Rono, K.	BOTH	Laboratory instrumentation

TECHNOLOGY CATEGORY: 26 MEDICAL, SURGICAL AND DENTAL INSTRUMENTS (DEVICES AND SUPPLIES)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
UCLI Limited	Goldspink, M.	BOTH	
University of Alberta Hospitals	Nyland, B.	OUT	Electronic and mechanical medical devices
Warner Lambert	Booth, A.R.	BOTH	Oral cleaning devices (toothbrushes, etc.)
Whitehill Oral Technologies, Inc.	Brown, D.G.	OUT	Dental floss and interdental stimulators, etc.

TECHNOLOGY CATEGORY: 27 BIOTECHNOLOGY

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
A.C.R. Angelini F.S.A.	Strani, G.	BOTH	
AB SKF	Kristiansen, A.P.		Conveyors
Abbott Laboratories	Crovetti, A.J.	IN	Microbial metabolite pesticides
	Vlazny, J.C.	BOTH	
Academic Catalyst Corp.	Kunstadt, L.P.	BOTH	
Allergan Pharmaceuticals	Borrmann, L.	BOTH	In relation to drugs for treating eye disease
Allergan, Inc.	Ridley, P.T.	IN	
American Home Products Corp.	Berg, E.E.	IN	
Axis Research AS	Braathen, P.	OUT	Quantification of glycated haemoglobin, technetium-99M labelling technology
Baxter Healthcare Corp.	Hider, P.A.	BOTH	Clinical chemistry diagnostics; antibody/antigen coatings, dispensing, labeling, and lyophilization; formulations
	Nakamura, N.		Related to kidney failure
Becton Dickinson & Co.	Huguet, G.	IN	Monoclonals, DNA probes, reagents, methods
Boehringer Ingelheim Pharmaceuticals, Inc.	Lackstrom, W.		Human and veterinary therapeutics
	Oliver, J.		Human and veterinary therapeutics
Boehringer Mannheim Corp.	Welch, M.		Therapeutics, human diagnostic tests & lab reagents
Bristol-Myers Squibb	Lee, M.L.	IN	
	Wright, C.J.	IN	
Burchell Nursery, Inc.	Buchanan, R.	BOTH	Human therapy and diagnostics
	Brody, A.A., Jr.	IN	Novel enzyme immobilization technology & enzyme technology
Burroughs Wellcome Co.	Burke, M.T.	IN	Human therapeutic and diagnostic
	Namm, D.H.	IN	Human therapeutic and diagnostic
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Production technologies
Chemgen Corp.	Helmes, E.G.	BOTH	Microbial/enzymatic processes for fine, specialty and certain industrial chemicals; enzymes
Ciba-Geigy	Cohen, M.	IN	
	Coppens, H.	IN	Human medicinal products
Clorox Company, The	Westbrook, S.M.	BOTH	Stain removal enzymes, peroxidases and oxidases
Dako Corporation	Brooks, S.		Invitro diagnostics, nucleic acids, monoclonal antibodies, cancer diagnosis
Duphar B.V.	Jansen, H.	IN	
E.I. DuPont DeNemours & Co., Inc.	Leitch, R.E.	BOTH	
	Wachinski, C.	IN	
	Weisman, H.S.	IN	
F.H. Faulding & Co., Ltd.	Dundon, J.	OUT	RDNA bacterial based oral vaccines
FMC Corporation, Agrichemical Group	Volpp, G.P.	IN	Relating to agriculture
Farmitalia Carlo ERBA	Foglio, M.	IN	
Farmos Group Ltd.	Wakonen, J.	IN	Medical
Fisons, PLC	Chawla, B.		Human and animal products
Genetech, Inc.	Fuller, C.	BOTH	Potential therapeutics
Genzia Pharmaceuticals, Inc.	Hee, J.M.		Cardiovascular, neurological, metabolic and inflammatory diseases
	Laikind, P.K.		Cardiovascular, neurological, metabolic and inflammatory diseases
Genta, Inc.	Simon, L.N.	BOTH	Anti-sense oligodeoxynucleotides as antiviral
Glycomed Incorporated	Atwood, B.G.		
H.G. Pars Pharmaceutical Laboratories, Inc.	Pars, H.	OUT	For cancer, R-cell lymphoma, leukemia
HK Biomedical, Inc.	Huber, W.	IN	Healthcare products
Harvard Medical School	Corey, G.	BOTH	As it relates to cancer
IAF Biochem International, Inc.	Robusto, R.	IN	Synthetic or semi-synthetic vaccines
ICI Agrochemicals	Dubock, A.C.	IN	As suitable for agroeffect industry
Indiana Corp. for Science & Technology	Willey, T.F.	OUT	
Italfarmaco SPA	Brocchetti, D.G.	BOTH	Monoclonal antibodies and DNA products
KV Pharmaceutical Company	Kirschner, M.I.	BOTH	
Kraft General Foods	Staackmann, J.W.	IN	Improved functional food ingredients
Laboratoires Debat	Lemoine, J.	BOTH	
Laboratorios Dr. Esteve, S.A.	Tost, R.	IN	Biotechnology (drugs for human and veterinary use)

TECHNOLOGY CATEGORY: 29 OTHER

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Airmuscle Limited Autochem North America	Hennequin, J. Niazy, S.	OUT BOTH	Animatronics and roboids Wire drawing lubricants, industrial oils and greases, corrosion resistant products for the building industry
Bio-Lab, Inc.	Miller, J.J.	IN	Disinfectants, nonoxidizing, broad spectrum oxidizers, other than halogens Metal fiber and porous metal products, new uses
Brunswick-Technetics	Greif, A.	BOTH	Deciduous fruit and nut trees
Burchell Nursery, Inc.	Brody, A.A., Jr.	BOTH	Consumer products such as toys, tools, specialty bird feeders
CTC & Associates	Blaich, C.	IN	Horticulture, plants
Dow Brands	Price, S.J.	IN	
Gencorp, Inc.	Rote, F.C.	IN	
Genesis Integrated Systems	Marklund, R.G.	BOTH	Computer based education
HK Biomedical, Inc.	Huber, W.	OUT	Training and education, packages for healthcare products
Harvard Medical School	Corey, G.	BOTH	Development of cancer diagnostics
Kobe Steel, Ltd.	Tochi, K.	BOTH	Welding electrode, non-ferrous material products
L'Air Liquide	Carbonell, E.	BOTH	Uses of industrial gases in all categories
Milliken Research Corporation	Gardner, D.W.		Specialty Chemicals
Nobilent, Inc.	Dolfini, J.E.	BOTH	Flavor chemicals
Petrolite Corporation	Mange, F.E.	IN	Chemicals used in oil and gas production
Sandys Overseas Ltd.	Flisi, F.L.	OUT	Sports and leisure
Scientific Design Company, Inc.	Muenz, K.	IN	Heterogeneous chemical catalysts
Shipley Company, Inc.	Gulla, M.	IN	Electronic chemicals; photoresists and metal plating technology
Translab, Inc.	Brenholt, D.L.	OUT	Sports, leisure, fishing
UC Industries, Inc.	Goodlet, C.R.	BOTH	Building materials
Warner Lambert	Walsh, R.J.	BOTH	Confectionary products
Wellcome Diagnostics	Coleman, A.J.	BOTH	Infectious disease diagnostics

Brown University Research Foundation
William M. Jackson

Brown University Research Foundation provides technology transfer services through the licensing of patents and copyrights and arranges cooperative research programs with corporations. The University spends over \$40 million on research annually. Two free directories, "Biomedical Research at Brown" and "Directory of Science and Engineering Research" are available upon request. Technology in categories 11, 12, 14, 18, 26 and 27.

The University of Calgary
Mary-Ann Podgorski

The University of Calgary provides an opportunity for industry to access research facilities and professional expertise in key fields such as biotechnology, computer technology, environmental research, materials science, medical science, microelectronics, petroleum and energy resources and space science. The University maintains over 40,000 square meters of research space with an average of more than \$5.5 million being invested annually in state-of-the-art equipment. The University has over 1400 faculty members, many of whom have established themselves nationally and internationally.

University of California
William T. Davis

The University of California, a major research oriented educational institution, performs in excess of \$1 Billion of research per year in its 9 statewide campuses which encompass 5 medical schools, over 100 schools and colleges, and over 150 laboratories. All academic disciplines are covered and cooperative research and technology transfer are available in all areas, and in particular, in human and animal pharmaceuticals and diagnostics, medical devices, biotechnology, electronics, chemistry and plants.

University of California, San Diego
Martin Rachmeler

Technology at UCSD reflects the broad spectrum of research conducted by its academic units. These include; (a) the life science area, including the medical school, allied departments, the Cancer Center, and Institute on Aging; (b) the Scripps Institution of Oceanography; (c) the engineering school; and (d) the general campus, which includes biology, physics, chemistry, mathematics, etc. There are also 27 interdisciplinary centers, including the California Space Institute, Center for Molecular Genetics, and Institute for Cognitive Science.

California Institute of Technology
Edward O. Ansell

California Institute of Technology performs research and instruction in fields including aeronautics, mathematics, applied mechanics, physics, astronomy, biology; chemistry; civil, electrical, chemical environmental, and mechanical engineering; computation neural systems; computer science; and geological, planetary and materials sciences. Off-campus facilities include Jet Propulsion Laboratory participating in deep-space missions and Earth-orbital projects and experiments for NASA, and application of advanced technology to fields involving important national interests. Research collaboration with, and technology transfer to, industry is encouraged.

Government of Canada
Dept. of Industry, Science & Technology
James A. Kelly

Produce Directory listing Canadian & Foreign contacts for sourcing/selling technologies ("The Technology Networking Guide"). Directory contents include: newsletters, brokers, specialized tech transfer centres, government contacts & programs, data bases, technology exhibitions, bibliography.

Canadian Industrial Innovation Centre/Waterloo
Gordon Cummer

Located in Waterloo, Ontario, the Innovation centre assists Canadian entrepreneurs and inventors develop and commercialize new products. We are partially funded by Industry, Science and Technology Canada. Services include: evaluating inventions, analyzing product and process development problems, recommending solutions, patent searches of related developments, market research, developing prototypes and testing, educational seminars, enterprise planning program.

Canadian Patents and Development Limited
N. Plante, D.C. Cryderman, K.F. Crowe

A Canadian Government Corporation which requires, administers, and licenses technology from the laboratories of the Government of Canada, Crown Corporations and Agencies. Universities and other publicly financed institutions. Offering technology for licensing in all categories.

Center For The Development of Industry
Patrick Keene

On behalf of the ECC States with the African, Caribbean and Pacific States (ACP) we try to set up or expand industrial operations in the ACP's. We seek any technologies or industrial process relevant for developing countries; e.g. small capacities, low investment, accessible to a large number of local promotions. Main

delivery system, cardiovascular therapeutics and diagnostics, imaging techniques, novel polymers and gels, and cancer treatments. A number of monoclonals are available for research, diagnostics and therapeutics in malaria, cancer and hepatitis. Centers of excellence is a major goal. The University is developing research facilities for centers of virology, cardiovascular disease, perinatal and prenatal care, cancer and surgery.

GKSS-Forschungszentrum Geesthacht GMBH
Claas Schroeder

Materials research/technologies; underwater testing, welding, maintenance, repair; membrane separation technologies; environmental research, macroscale models of winds and ocean waves, estuarian dynamics, hydrographic research instruments.

University of Guelph
Christopher M. Ostrovski

One of Canada's most research intensive institutions specializing in biotechnology, chemistry, physics, computing science, food science and engineering. Centres include: Toxicology, Genetic Improvement of Livestock, Information Technology, Gerontology, Equine, Biotechnology: Animal/Plant, Soil/Water Conservation, Turfgrass. Guelph operates six field stations for agricultural and veterinary research plus a veterinary research hospital. It has eight research chairs: Plant/Animal Biotechnology, Molecular Biology/Mammalian Embryo, Animal Breeding, Egg and Dairy Technology/Microbiology, Land Stewardship.

Harvard Medical School, Hospital Laboratory of Cancer
Biology, Dept. Surgery, N.E. Deaconess
George Corey

The Laboratory of Cancer Biology seeks collaborative and sponsored research relationships with industry for the development of improved cancer diagnostics and therapeutics, especially that relate to solid tumors (i.e. carcinomas).

IMEC V.Z.W.
Dr. C. Mortelmans

Design methodologies for VLSI systems advanced semiconductor processing development including CMOS, SOI, GaAs, non-volatile memories and cryogenic electronics. Semiconductor materials and packaging including reliability, electrical testing and physico-chemical analysis training in VLSI design. Prototyping and small volume production of special semiconductor devices including CCD's and thick film sensors. Research on photovoltaics, thin film transistors, high temperature superconductivity for microelectronics and opto-electronics.

Imperial Cancer Research Technology Ltd.
Dr. Jonathan Gee

Imperial Cancer Research Technology conducts the technology transfer and commercial activities of the Imperial Cancer Research Fund (ICRF). The ICRF has 80 research groups and ICRT patents technology, including monoclonal antibodies, with the aim of licensing it in return for royalties. It also sets up research collaborations between the Fund and companies with complementary products or expertise, and works to establish new companies based around ICRF technologies.

Indiana Corporation for Science and Technology
Teri F. Willey

The financial and technical resources of CST provide support for many enterprises vital in Indiana's economic future. Of particular interest are programs to fund the research and development of new technology-based products and start-ups. Through these activities, CST has acquired the rights to licensable products in the areas of medical devices, computers and software. CST can also help in licensing directly from CST-supported companies, and assist those interested in inventing in the Indiana technology-based companies. CST is a partnership of industry, academia and government.

Industry, Science and Technology Canada
Richard D. Jones

Industry, Science and Technology Canada (ISTC) has a service called DISTCOVERY that aggressively promotes manufacturing licensing opportunities originating worldwide to Canadian manufacturers. The DISTCOVERY database is accessed at all ISTC business service centres throughout Canada, and at appropriate industrial shows. Companies, government agencies and universities and/or brokers are invited to submit descriptions or brochures, including photographs to be scanned into the database. Brochures are reproduced and displayed at centres.

Institute for Food & Agricultural Research & Technology
Dr. Juan-Julio Bonet

The IRTA is a public corporation of the Catalan Government (Spain). Major programme areas include: plant pathology and integrated pest control; plant breeding of vegetable crops and ornamental plants; Mycorrhiza; plant bio-technology; horticultural technology; Mediterranean fruit and nut trees; selection and genetic improvement of cereals; plant protection; soils; agricultural industries; animal nutrition; avian genetics; quality of carcass and meat; technology and manufacture of meat products; biochemical and microbiological analytical technology and animal genetics.

**Ecole Polytechnique de Montreal
Jean Paris**

R&D activities in our School cover primarily the following categories: 4, 5, 7 to 12, 18, 19, 22 to 24 and 26 to 28. Categories of particular strength are 4, 5, 18, 22, 23, 26, 27, 28. In addition we are very active in software developments, ceramics, polymers, data analysis, modelisation, metal stress studies.

**MRI Ventures, Inc.
Robert F. Muir**

Cooperative research or outside R&D funding is sought for developing in the following areas: alcohol from simultaneous saccharification and fermentation, multiple wavelength LEDs, recycling mixed polymer/plastic wastes, chlorine-free pulp bleaching operations, converting tires to olefins/aromatics, improved heat transfer through suspended metallic particles in heat transfer fluids, glass encapsulation of superconducting fibers, 4-vinyl phenol production, waste paper/newspaper ethanol conversion, field delivery system for antibodies and bioelectrodes and reversibly immobilized microbial systems.

**Microelectronics Center of North Carolina (MCNC)
W. Holt Anderson**

MCNC is a private, non-profit organization which conducts advanced research in a consortium made in conjunction with leaders in the electronics industry and research universities in North Carolina, research activities include: Microelectronics - VLSI design; simulation; modeling; advanced processing; multi-chip packaging modules; sub-micron lithography; plasma etching; testing. Communication - high-speed digital (T3-36bit) transmission and switching; interactive video-conferencing. High Performance Computing -research programs and visualization, utilizing a Cray Y-MP and advanced graphics devices and software.

**Oregon Health Sciences University
M. Ronald Parelius**

OHSU basic research is concentrated on biomedical issues in the central nervous system, cell signalling, immunology, cancer, ophthalmology, hematology, and nutrition. OHSU is a center of research in artificial intelligence, outcomes analysis, and integration of automated health care data through hardware, software, and communications technologies. It has one of the country's most active research faculty in nursing and patient care technology, and its faculty are regular inventors of medical, surgical and dental instruments.

**Office of Technology Transfer, Purdue Research Foundation
William E. Baltinger**

Purdue University actively seeking cooperative research relationships in the Biomedical area with par-

ticular expertise in the areas of functional electrical and magnetic stimulation of the cardiovascular, respiratory, neural systems, as well as studies in electrical stimulation and electrode development. Studies involving portable defibrillators and electrocardiographs are also sought. Chromatographic stationary phases and electrophoretic separation devices are under active development. Novel chromatographic surfaces have been developed with application to purification of membrane proteins.

**Ohio State University
Paul G. Laryatis**

The Ohio State University is a major comprehensive institution which conducts research in all fields of science and engineering. The inventions made at the University are marketed by The Ohio State University, Patent and Copyright Administration Office, 1314 Kinnear Road, Columbus, OH 43212. A current listing of the patents and patent applications available for licensing are available from that office.

**Research Corporation Technologies, Inc.
Bernard M. Kosloski**

RCT protects and markets technologies acquired from universities and other non-profit research centers. Maintaining a large, constantly changing inventory of technologies selected on the basis of their commercial value, RCT licenses companies throughout the world and invests in joint ventures and other companies formed to exploit promising technologies. More heavily weighted in categories 8, 11-14, 17-19, 23-25 and 27, the RCT inventory ranges from 200 to 250 inventions and represents most technology categories.

**Research Development Corporation
Barbara Lavers**

Affiliated with The Hospital for Sick Children, Toronto, Canada, the corporation acts to commercialize new developments which originate in the Hospital and its Research Institute. Divisions in the Research Institute conduct both basic and clinical research in a diverse range of biological, medical and healthcare areas. Licensing opportunities based on proprietary rights are offered in category 26 (medical, surgical and dental instruments), and category 27, (biotechnology, for example, clinical diagnostics, immunoassays, DNA probes, antibodies and research biochemicals).

**The Research and Development Institute, Inc.
Roger N. Flair**

The Research and Development Institute is affiliated with Montana State University which is a designated Federal Engineering Research Center specializing in environmental/process engineering. The Institute is seeking cooperative research in the latter areas; as well as in the area of new crop varieties and pest control.

**United Nations Centre on Transnational Corporations
Gunda Schumann**

The United Nations Centre on Transnational Corporations seeks interview partners in the computer (software, services, semiconductors) industry for a project on intellectual property rights (IPRs) and foreign investment in developing countries (Spring/Summer 1990). The project is designed to examine the linkage between foreign investment and IPRs and to assess the advantages/disadvantages of sufficient intellectual property protection for developing countries with particular regard to the attraction of foreign investment.

**University Technology Incorporated
Briann K. O'Riordan**

UTI seeks to commercialize Case Western Reserve University's broad range of innovative research. CWRU has particularly strong positions in electrochemistry, ceramics, sensors, diamond-like materials deposition, polymers processing and design, metallurgy, and artificial intelligence applications. Commercializable biotech interests include DNA probes, sleep apnea diagnostics and devices, pharmaceuticals and medical devices. Companies recently formed around CWRU technology span nerve regeneration (Gliatech), bone formation (Skeletech), predictive toxicology (MultiCASE Associates), and FES (Functional Electrode Stimulation of paralyzed muscles).

**Virginia's Center for Innovative Technology
Louis P. Berneman**

Virginia's Center for Innovative Technology (CIT) is a non-profit corporation funded by the Commonwealth of Virginia. CIT's mission is to foster economic development through technology commercialization. CIT co-sponsors research with industry at Virginia universities. CIT sponsors an Innovation Network of business incubators, entrepreneurship centers and a system of regional technology transfer directors. CIT patents and licenses intellectual properties for Virginia universities.

**Wake Forest University
Paul G. Waugaman**

A comprehensive university offering the doctorate degree in 11 areas of science and medicine. Its sponsored research program is comprised of over 390 active projects, and a total level of effort valued at over \$32 million per year. The University seeks opportunities to introduce inventions and discoveries arising from its research enterprise into commercial use. The University's science programs are basic and biomedical, therefore most inventions and discoveries will require additional support for development prior to commercial application. The University is prepared to collaborate with licensees to conduct applied research to develop its inventions.

**Washington Research Foundation
Robert Graeme Sloman**

The Washington Research Foundation is an independent non-profit intellectual property licensor for research institutions in Washington State. Primary focus currently is University of Washington computers, biotechnology, yeast expression, bacillus thuringiensis, transformation of monocots, advanced ceramics, pollution control, bioremediation, ultrasound and bone marrow transplant products.

**Wisconsin Innovation Service Center
Debra Knox-Malewicki**

The Wisconsin Innovation Service Center at the University of Wisconsin-Whitewater provides independent inventors and entrepreneurs with preliminary analyses of the marketability of their new product ideas or inventions, relying on a broad outside network of consultants and an inhouse staff of students trained in secondary market research methods. For a fee, the WISC aims to provide inventors or entrepreneurs with enough information to allow for improved decisions in regard to further development.

**Yeda Research and Development Co. Ltd.
David Schlachet**

Yeda Research and Development Co. Ltd. holds title to all inventions, innovations and know-how emanating from research done at the Weizmann Institute of Science. Within the framework of the Weizmann Institute's five faculties - biology, biophysics, biochemistry, chemistry, mathematical sciences and physics - its scientists engage in a wide variety of basic and applied research activities. Among these are projects in the areas of immunology, cancer, virology, neurobiology, genetic engineering, plant genetics, organic and physical chemistry, electro-optics, computers, plastics, biophysics, solar energy and more. (Israel).

expertise and gear engineering experience can be leveraged to provide higher performance drive systems. Categories: 20, 24 and 28 are of special interest.

**Astolff, Edmund G.
Edmund G. Astolff**

Expert assistance can be provided in the promotion and marketing of technology to include: identifying licensable technology, assessing its value and negotiating and concluding license agreements. In-depth experience in worldwide licensing, commercial development and introduction of new products, new business management and R&D administration. Areas of expertise: 1, 5, 9, 15, 17 and 20.

**ATTAC-Aberdeen Technology Transfer & Consultancy
Dr. Bill Cruickshank**

Located in Scotland, we represent university clients and firms involved in research and development work. Our clients wish to license-out technology in the areas of the controlled release of organic molecules from glasses, medical instruments, monoclonal antibodies and DNA probes. We wish also to find products for Scottish clients interested in licensing-in new products which have been demonstrated in prototype form, in the electro-optics, electro-mechanical or electronic/electrical areas.

**AUS Consultants, Valuation Services Group
Gordon V. Smith**

Firm specializing in the valuation of intangible assets and intellectual property, consulting on royalty rates and international tax issues and litigation support. Professional staff of 20, many of whom have advanced degrees, have wide variety of specialty areas. Clients include large corporations, law firms, individuals and educational institutions. U.S.A.

**Avery Business Development Services
Henry Avery**

Avery Business Development Services provides licensing, strategic planning, venture capital funding and commercial development consulting services to the plastic, chemical, coatings and bio-chemical industries.

**Barrington Consultants, Inc.
Lawrence P. Kunstadt, Ph.D., M.B.A.**

Advises large companies on technology management, venture investments, sponsorship of university research, acquisitions and licensing and small companies on both business and technology issues. AMERICAN RESEARCH CONNECTION transfers American technology overseas in the form of joint-ventures, licensing and exporting. Both companies work exclusively in the life sciences: human and animal

biomedicine, agriculture and food. Both companies are headed by Lawrence Kunstadt, Ph.D., who teaches the "New Venture Management" course in New York University's M.B.A. program.

**Beltran Fortuny Y Asociados, S.C.
Rafael Beltran Fortuny**

The areas of technology in which we specialize are primarily in chemical fields such as categories: 6, 12, 13, 14 and 27. However, we also handle technology categories such as: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 16, 17 and 18. The type of clients we represent are multinational companies, in the above fields as well as research institutions, government agencies and universities, primarily from the U.S.A and Mexico. Other firms represented are located in Japan, Korea, Taiwan, Europe and Israel.

**Bentata, Hoet & Asociados
Alain Corlat**

Our firm is involved in any area of transfer of technology, especially in drafting contracts of transfer, of technology and/or trademark and patent licenses, and recordal before the proper Venezuelan authorities (SIEX and PTO).

**BIEC International, Inc.
James L. Forand**

Sell Galvalume coated sheet steel technology worldwide. As of January, 1990, BIEC has 23 Galvalume licensees in 17 countries. BIEC also sells other metallic and organic coated sheet steel technology.

**B.I. Woody Friedlander
B.I. Woody Friedlander**

B.I. Woody Friedlander, Venture Insights Group. Director, Institute for Technology Transfer and Licensing Studies Director, Trefz Center for Venture Management, University of Bridgeport, Adjunct Associate Professor of Engineering. Develops and executes strategies for domestic and foreign licensing for start-ups, small and large companies. Litigation support, expert witnessing, arbitration and ADR. Technology valuation. Licensing training programmes. Broad experience in all areas of technology transfer and valuation. U.S.A.

**Blomed Consultants
Dr. Edith R. Schwartz**

Personnel: internationally recognized biomedical scientist with experience in biotechnology and drug development and expertise in (1) Arthritis and osteoporosis, (2) Alzheimer's and other metabolic and genetic abnormalities, and (3) tissue repair. Technology Categories: Drugs (14), medical, surgical and dental devices (26),

intellectual property and determination of royalty rates. A diverse base of clients are served ranging from individual inventors to Fortune 500 corporations. We provide our services for use in joint venture equity allocations, foreign tax matters, litigation support, gift tax purposes, license negotiations, and intracorporate transfers. Broad industry experience is possessed regarding patents, proprietary technology, software, trademarks, and copyrights.

Baker & McKenzie
Jennifer P. Wilson

Baker & McKenzie has offices in major business centres in 27 countries. Lawyers in all offices are experienced in the protection and enforcement of intellectual property rights in advising on establishing corporate presences, joint ventures, license arrangements, franchises and other commercial operations. They are also equipped to provide full litigation support and advice on taxation, customs and other revenue laws. Baker & McKenzie typically represents corporations with existing trans national operations or an interest in developing them. Baker & McKenzie lawyers based in non-English speaking countries are, typically, proficient in English. Active in categories 18 (especially telecommunications), 16 (especially therapeutic substances), 27, and 1 (especially food for animals).

Bard, Dr. Basil
Dr. Basil Bard

I am a consultant on innovation and technology transfer. I assist changes and help in product, project and company progress. I participate in licensing negotiations and license preparation and speak to meetings and conferences on these subjects. My clients are companies and individuals mostly in U.K. who require assistance. I also act as expert witness in lawsuits concerned with licensing, intellectual property and patent infringement.

Batson, Elizabeth A.
Elizabeth A. Batson

Consultant providing licensing and marketing services for U.S. companies and universities. Specializes in software and copyright licensing, market research, strategic planning and product marketing for the computer industry. Have extensive experience in university licensing and copyright policies. Especially interested in category 18. Principal office in U.S.A.

Cabinet Vaucher - Tisseront
Francois Tisseront

All actions necessary to the international development of small and medium size companies: technology transfer, partnerships, licensing in and out. All industries, all countries. Located in France.

Canadian Centre for Industrial Innovation Montreal
Camille Michaud

A private non-profit corporation which offers a full integrated range of technology brokerage, technical and marketing services to the Canadian industry. Because of its international network and university affiliations, the Centre's professional staff of technology transfer specialists, engineers, marketing experts and industrial designers can help you evaluate, research, negotiate and implement the technologies best suited to the growth and marketing strategy of your company in most industrial sectors, both for selling or purchasing new technologies.

Carag, Caballes, Jamora, Rodriguez & Somera
Carlo A. Carag

Patents, trademarks, copyrights, computers, information technology, entertainment law, foreign investments, licensing, joint ventures, telecommunications, admiralty, natural resources law, general practice, corporate commercial and tax law. Philippines.

Chemtex International
Thomas H. McGannon, Dr. George H. Harker,
Sunil I. Shah, Vinod Rangre

A multinational process engineering and technology transfer firm headquartered in New York. With offices in Dusseldorf, Bombay, Beijing and Toyko, the firm has specialized for over 30 years in the design and supply of man-made fiber plants. The company offers its own processes and processes licensed from major producers such as Du Pont, ICI, BASF and others. The firm recently expanded its capability and is now offering services to clients in petrochemical processes.

Cominco Engineering Services, Ltd.
John D. Turnbull

A wholly owned subsidiary of Cominco Ltd. and is in business to provide technology services, engineering, and project management to the mining, metallurgical, and process industries. Particular expertise exists in hydrometallurgical and pyrometallurgical processes relating to non-ferrous metals. We specialize in the following technologies: concentrate production; Zinc pressure leaching; Zinc electrowinning; treatment of metallurgical wastes; mine acid wastewater treatment; tailings treatment; lead smelting; electrolytic lead refining; SO₂ gas treatment; precious metal recovery and refining.

Consulnova-Consultoria e Innovacion, S.A.
Ignacio Martı́nez de Onate

Search, identification and evaluation after client's needs of industry-oriented technological opportunities.

list needs (changed any time) and automatically obtain pertinent information. The six centers include government agencies and National Academies of Sciences. Headquarters are in Ormond Beach, Florida. Some of the many technologies are exclusive to us. LES members are always welcome for a free demonstration.

Dr. W.M. Falta, Intellectual Property & Technology Management
William M. Falta

Intellectual property and technology management. Licensing and management of new technology and products for small/medium companies. Main areas of specialization/interest: food processing; packaging; production of animal feed; medical diagnostics; pollution control; energy recovery, storage and conversion; electrochemical processes. Based in Geneva, Switzerland - main activities in Europe, Asia and Middle East.

D.P. Ahuja & Co.
Sudhir D. Ahuja

Wish to represent international companies with a strong technology bias who are interested in technology transfer to Indian companies and who seek services relating to technology evaluation representation, joint venture agreements, rules and regulations relating to doing business in India and general business advice.

Dunlop International Technology Ltd.
A.T.M. Robertson-Kellic

Specializing in the transfer of manufacturing know-how to organizations wishing to establish local manufacturing in their own country. D.I.T.L. services are an integral part of the technology transfer process, assisting manufacturers or technology developers in the total project requirement of transferring know-how to third parties. D.I.T.L. would like to hear from organizations wishing to import or export manufacturing technology.

EKMS, Inc.
Edward Kahn

Based in Massachusetts, USA, secures licensing and partnering agreements for product developers. Licensor clients range from firms of ten employees to Fortune 500 companies and major universities. EKMS performs all services necessary for successful license, including ongoing audit for the life of agreements. The firm works primarily on a contingency basis, receiving a percentage of royalties from successful agreements. EKMS handles all products, especially electronics, computer hardware and software, medical technology, advanced materials and biotechnology.

Franchise Development Services Limited
Roy Seaman

Assisting companies worldwide to package and sell their licensing and franchise rights into overseas markets. Our organization carries out all pre-entry work and facilities in the advertising, sales and marketing of any given Master License or Franchise Rights to targeted prospective organizations that are considered capable of owning and developing the business of the licensee in their country. Free information pack to LES members upon request.

Francis Mahieux
Francis Mahieux

Categories: 1, 5, 7, 8, 14, 19, 20, 24, 26 and 27.

Grattinger & Partner
Gunter Grattinger

Technology categories: 3, 4, 8, 15 and 20.

Hardie Caldwell, Chartered Accountants
John S. Gilmour

Firm of Chartered Accountants established in 1907; interested in all aspects of licensing with various personal contacts in Scottish universities.

Harry Sello & Associates
Dr. Harry Sello

Principal office, Menlo Park, California, U.S.A., with associates abroad. Specialty: international licensing and transfer of electronic technology in microelectronics, computers and peripherals, software, instruments, materials and related fields for strategic business alliances; including evaluation and implementation of manufacturing and marketing operations abroad for U.S. companies, and for foreign companies desiring operation in the U.S. Skilled as technological expert witness in international litigations on transfers, patents and trade secrets.

Healthcare Decisions, Inc. (HDI)
Douglas A. Cotter, Ph.D.

A Cambridge, Massachusetts-based consulting firm which specializes in corporate development in healthcare and biotechnology. Our clients utilize our knowledge of these industries to assist them build corporate value through corporate restructuring. We plan, structure, and act as an intermediary for the acquisition, divestiture, or corporate partnering transactions of businesses, products or technologies. Our corporate development services include: strategic planning and development; corporate restructuring; transaction development; intermediary representation; market and competitive analysis and due diligence.

chemicals, precision mechanical components, nuclear and energy products, composites, printing and graphics equipment, software, electronic components, ceramics, automotive components and transportation equipment, food products, consumer products, advertising specialties and many other areas. Intercon works on a total global basis with clients in over 17 countries worldwide.

Intercontinental Enterprises Limited
Gordon S. Riess

IEL is an international management and technology transfer group, headquartered in Los Angeles. IEL acts as the "Marketing Department" and/or "International Department" of small, high-technology firms. The group has offices in 30 major cities, worldwide. IEL works under contract to its client companies to seek and negotiate agreements with prospective licensees, distributors, or joint venture partners. Interests include medical devices, OTC pharmaceuticals, beauty products, quality control equipment, physical therapy, rehabilitation and juvenile products.

InterTech Services SA
Bertrand Huchberger

A Swiss based consultancy engaged since 1981 in the promotion/transfer of high technology in: electronics, computers/communications, advanced materials, manufacturing/robotics for purposes of licensing in/out, joint ventures/partnerships, business development, and market assessments. Services are provided in Europe and the U.S. through a network of associates who have direct access to industrial, government and academic R&D establishments.

Intromark, Inc.
Jeffery Weber

A wholly owned subsidiary of Technosystems Consolidated Corporation actively attempts to license technologies in a wide range of disciplines from consumer products to advanced technologies. Company also sponsors INPEX (Invention New Product Exposition) a tradeshow for innovations and new products. 7th Expo will be May, 1991.

IPC Group, Inc.
Dan McGavock

A U.S. based consulting firm dedicated to advising corporations and counsel in the areas of litigation support and technology assessment. In this context, we address the accounting, financial, economic and marketing issues relating to the damages aspects of commercial disputes. These efforts include assistance in discovery, financial analysis and expert testimony. Additionally, we perform valuations of intangible assets for licensing, strategic planning and tax purposes.

Irfan & Irfan
M. Farrukh Irfan Khan

A firm of lawyers specializing in licensing, joint ventures and transfer of technology from industrialized nations to the developing countries in the Middle East and South East Asia. We provide legal services and consultations to foreign companies in all legal and commercial areas in this region. The firm has a strong Intellectual Property Department with vast contacts with leading industrial groups in the Middle East and South East Asia seeking latest technologies from Japan, Europe and North America. Principal office is in Pakistan.

James C. Logomasini
James C. Logomasini

Specialize in the consultation, negotiations and preparation of contracts for companies on a worldwide basis interested in acquiring or releasing technology with over twenty years of experience in licensing, patents, negotiations, including the preparation of all contracts and supporting documents necessary for the engineering, construction and operation of major chemical and associated plants in numerous countries.

JDY Management Limited
J.D. Younger

David Younger is a Chemical Engineer with over 25 years of experience in private industry in Canada and abroad. Responsibilities included: industrial general management, technology transfer, international marketing, corporate planning, business development and consulting to government and industry. Specializing in: management of technology-enhancement, search, transfer, joint ventures, licensing, promotion, technological competitiveness. Commercial development of research-comprehensive management and financial support for the commercial development of promising laboratory research.

Jurinove
Phillippe LeClech

Main areas of technology-categories: 18, 19, especially Smart Cards IC Applications. Main fields of expertise and activity in France and/or abroad are: intellectual property protecting, technological and commercial information service, auditing and evaluation of technology and licensing in and out. Principal office located in France.

K & V Scientific Co., Inc.
Alan B. Kammerman

Technical assistance including feasibility studies for venture capitalists and investors involved in licensing in or out products in the following categories: in-

with special emphasis on the independent inventor and small manufacturer. Bases in Atlanta, Georgia, the principle territory covered is North America and Western Europe.

Micro Con-Ed International, Inc.
Hugh L. Boggs, IV

Specializing in licensing of technology into and out of South Korea. Our primary interests are software conversion, hardware, firmware-software total systems, telecommunications equipment and software, fiber optics, multimedia systems, robotics, genetic engineering, and medical technology. We have contacts throughout the Far East in most technology categories but primarily 14, 18, 19, 20, 26 and 27. We also provide market research and evaluation of potential joint venture partners, potential licensors, or potential licensees.

Moffat & Co.
J. Kevin Carton, Esq.

Moffat & Co. is a Canadian patent and trademark firm with expertise in the following technology categories: 1,5,6,7,9,10,15,17,18,19,20,21,22,23,24,25,26,27,28 and in concrete engineering and sports equipment.

Mogee Research and Analysis
Dr. Mary Ellen Mogee

Mogee Research and Analysis analyzes international technology competition using a new method of analyzing international patent statistics. We can quickly prepare a detailed report that tells you what is going on around the world in your technology, what technological approaches rivals are working on, what international markets they are interested in, and who are the most important inventors. Primary clients are research and technology planners in corporations and government. U.S.A.

Murray Associates, Inc.
Charles K. Murray

Market and procure technology and trademarks for U.S. and overseas companies. Investigate the status/availability of product and process technology. Facilitate lasting corporate linkages through license, joint venture and distribution agreements. We have numerous international associated offices and invite inquiries from other offshore consulting organizations. Established since 1970. Fax or telex us for same-day reply and no-charge preliminary investigation and proposal. All product categories, notably 1, 7, 9, 13, 14, 20, 21, 23, 24, and 27.

MRI Ventures, Inc.
Robert F. Muir

Technology evaluation, capital formation, product development, business planning, patents and licens-

ing, and sales and marketing expertise is offered by MRI Ventures, Inc. in chemistry: agricultural and industrial chemicals and sampling and analysis instrumentation; electronics: thin film and electrochromic processes and materials technology; energy: processes and materials for aerospace, electronics, automotive and construction industries; medical: biomedical materials, sensors, instrumentation and diagnostic equipment; industrial: computer processes, automated systems and manufacturing processes. U.S.A.

National Westminster Bank PLC
Duncan S. Matthews

A dedicated unit forming part of the Nat-West Group, a major UK Clearing Bank. Our responsibilities are to coordinate a UK-wide network of managers, trained to understand the needs of technology businesses and specializing in providing financial advice and funding to companies and individuals. Although the Unit is UK based we have interests in Europe and the U.S.

Noone Associates
Thomas M. Noone

Principal office in the U.S.A. with a network of technology/business consultants that provide business development services. Typical assignments have included: scouting for new technology; market and acquisition studies; evaluation of technology/business opportunities; strategic planning and implementation; technology transfer; new ventures; presentations to venture capital companies; competitive analyses; profit improvement programs. Special interest in categories 1-5, 12-17, 26 and 27.

Novacorp International Consulting, Inc.
W. L. Wright

The Technology Ventures business unit within Novacorp International Consulting, Inc. is responsible for commercialization of technologies developed by the NOVA group of companies through externally managed companies. NOVA's businesses cover pipelines, petrochemicals, plastics and synthetic rubber, and gas marketing, petroleum, and related engineering and manufacturing. Products offered through arrangements with outside parties include applications software, know-how and equipment.

Pan Meridian Consultants Limited
Harry Grunwell

Technology categories 18 and 21. Specific items: vibration proof premium fastener for heavy duty applications especially transport, construction, aerospace, defense and power. World patents granted, patents pending. Hazardous waste transport container systems; public and personal communications apparatus and software. General items: brokers and consultants for sundry business development applications specializing in European markets.

REFAC Technology Development Corporation
Eugene M. Lang

Since 1952, REFAC has established hundreds of manufacturing licenses and joint ventures in the United States and abroad. REFAC licenses patents, trademarks and know-how in all fields of technology. Under standard agreements, clients (inventors, companies, institutions) give REFAC the exclusive right -- as a principal, at its own risk and expense, and on terms subject to client approval -- to license specified patents, etc. REFAC also assumes responsibility for patent enforcement and infringement litigation. License income is equally shared.

Richard Fleming Associates, Inc.
Richard Fleming

Effective management consulting help based on in-depth understanding of relevant technologies and pertinent management experience. Serve technology intensive client companies in Americas, Europe, Far East, as advisors, interim or shared-time executive board members. Technologies 5-8, 11-14, 23, 27. Technology management/transfer/licensing; business strategy, plan development; funding and financial planning; acquisitions, divestitures, business valuations; plan implementation; business management. Offices: Zionsville, PA., Yonkers, N.Y., U.S.A.

Rockwood Development Corp.
Donald A. Moore

Representing European companies primarily German, Swiss and Austrian, who wish to license their technology to U.S. and Canadian companies. We also represent U.S. companies wanting to license European companies. We have good contacts in environmental protection, medical equipment and devices, plastics and other materials, industrial machinery, building products and printing and graphic arts fields. Categories 1, 5, 7, 11-17, 20-27.

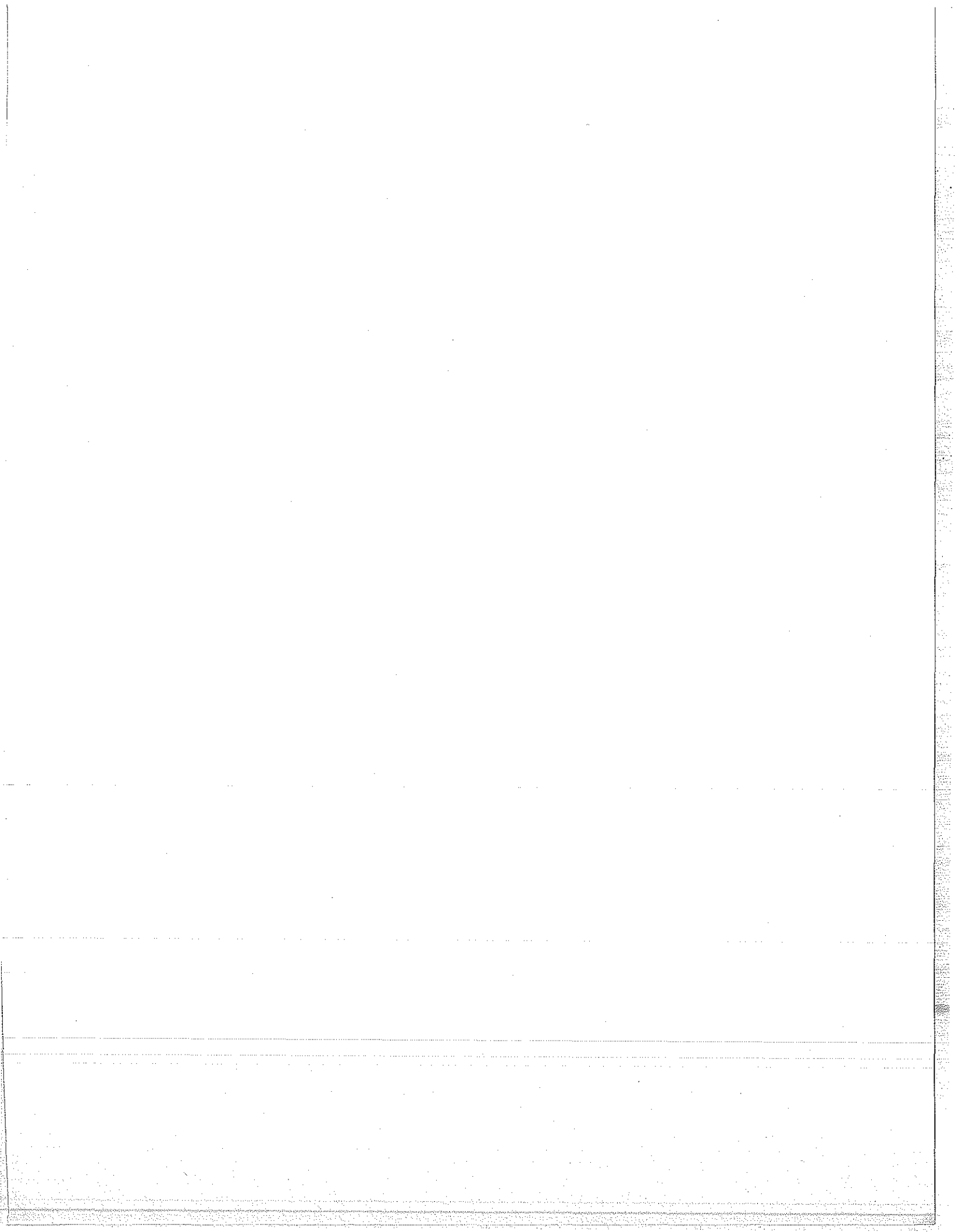
Rodman and Associates, Inc.
Paul G. Waugaman

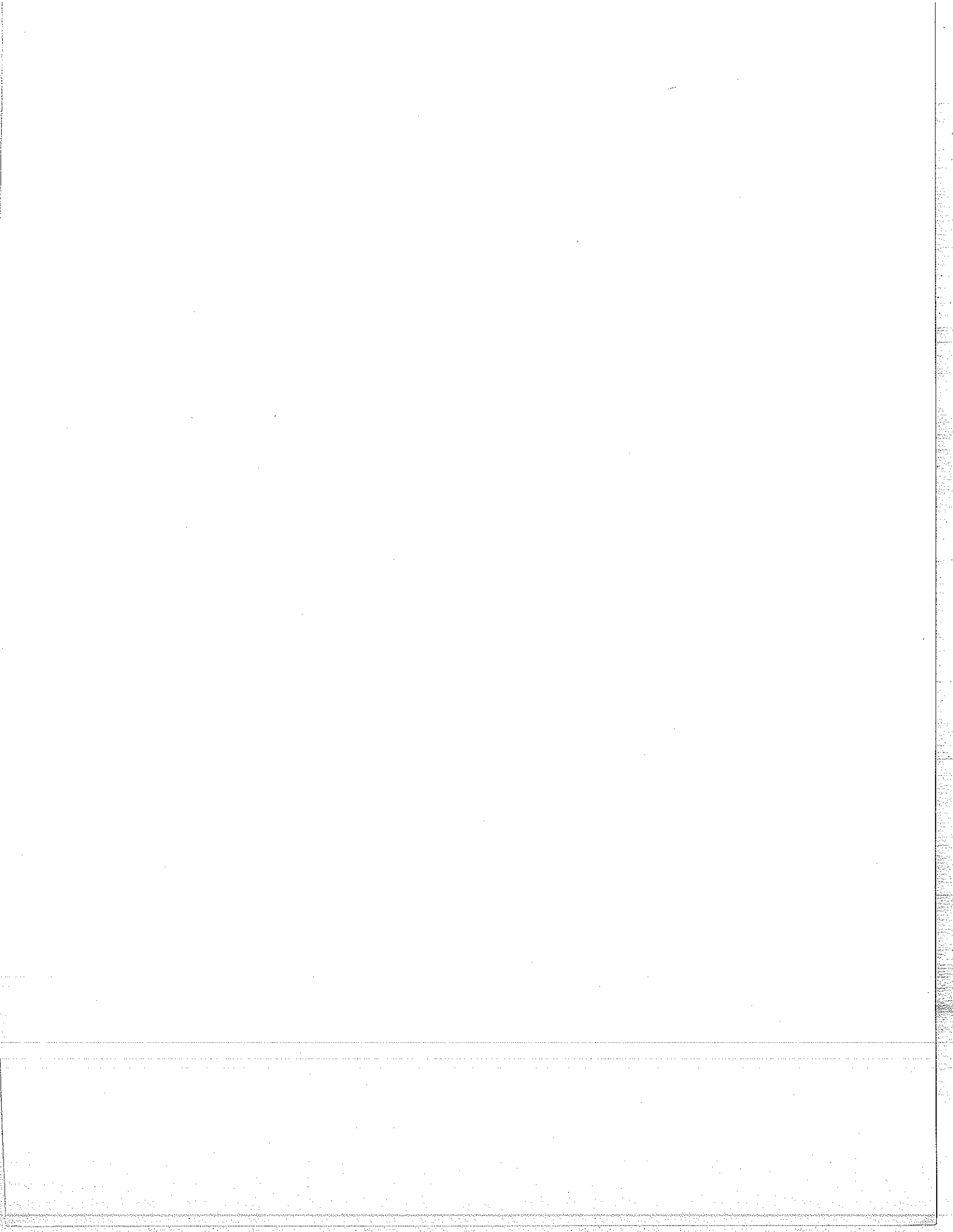
A consultant firm with expertise in all aspects of research management. Associates are qualified to work with academic institutions, non-profit research foundations, economic development organizations, government agencies, and other organizations establishing technology transfer programs; and with for-profit firms, venture capital, or technology managers seeking to license technology from academic institutions.

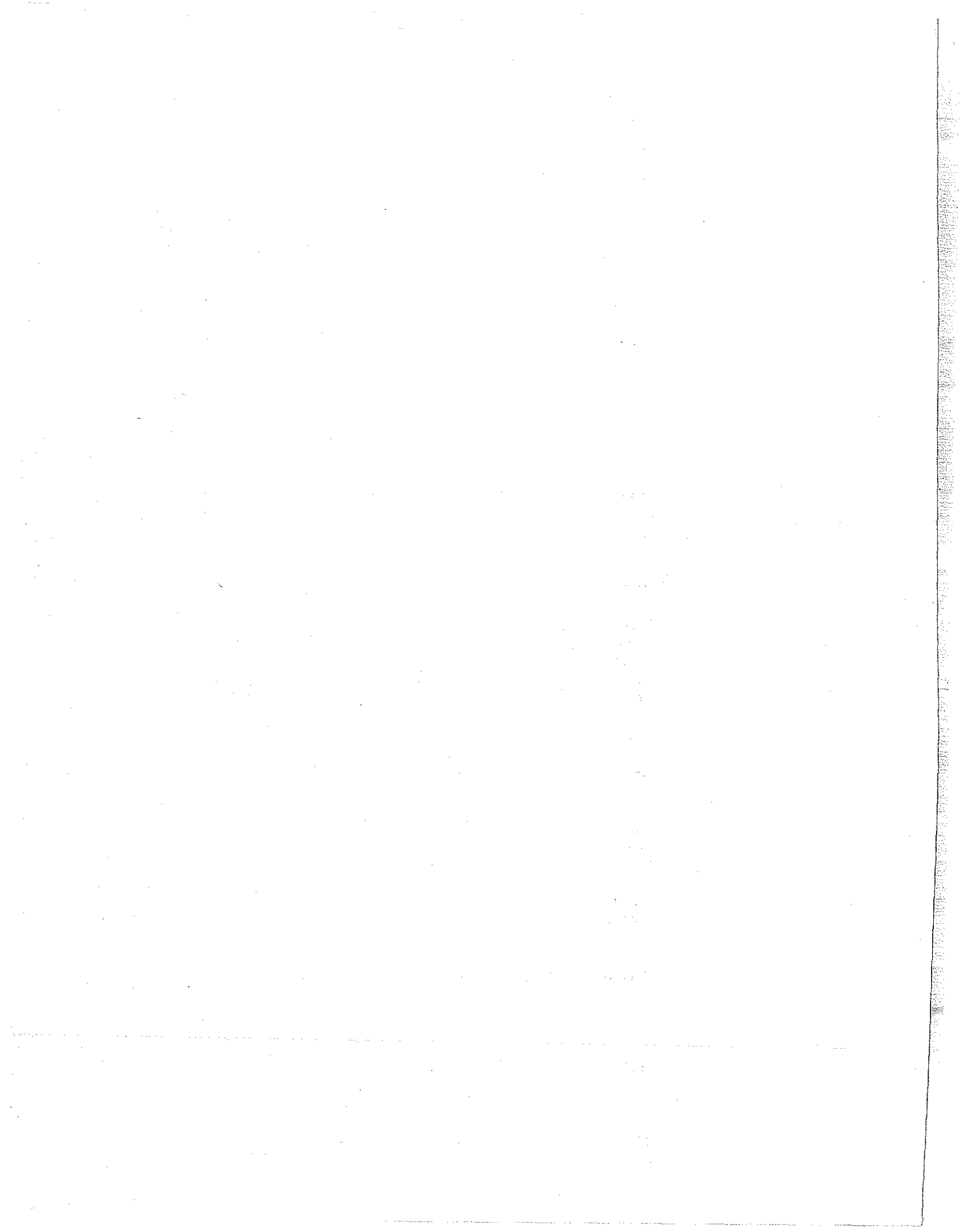
Royal Bank of Scotland plc
R. J. Campbell

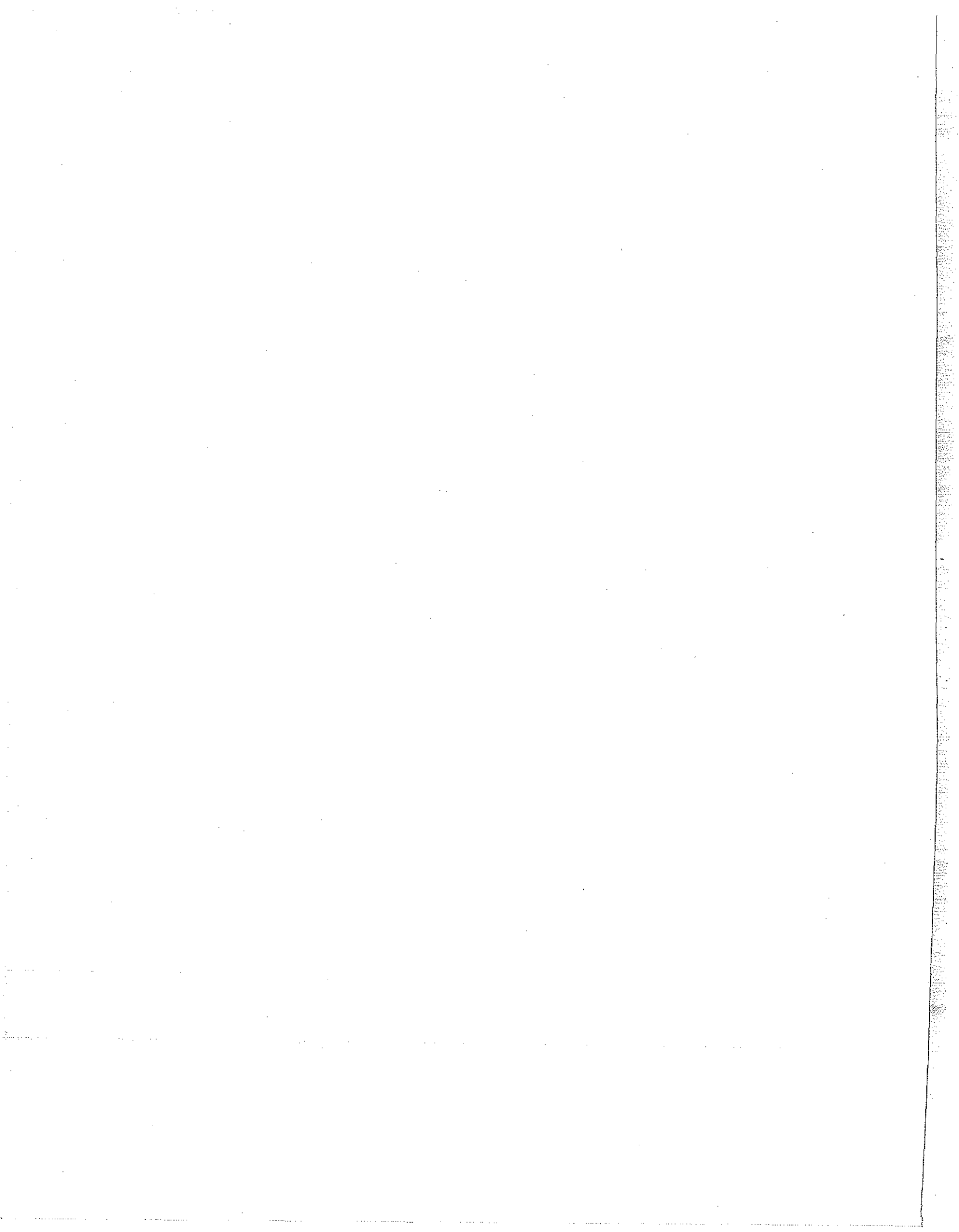
The Royal Bank of Scotland has a specialist Licensing Department with units located in Edinburgh, London and Manchester. The function of these units is to com-

plement and assist our extensive Branch network with inquiries relative to the licensing of technology.











**Parkson International Ltd.
D.C. Fletcher Rogers**

Food products, automobile industry, products for domestic animals (non-food). Clients: research institutes, manufacturers, serious inventors. We seek manufacturers/food-auto-domestic products also LES consultants anywhere in the above product areas. License in and out. Location, England.

**Pax Technology Transfer Ltd.
John D. Emanuel**

An independent technology transfer organization with offices in London, England and Cambridge, Massachusetts, a very strong network throughout Western Europe and 85 Associates worldwide. Pax provides international technology transfer agency and consulting services to medium and large industrial and institutional clients, national governments and international agencies including the European Commission. The company specializes in international searches for medium/high technology based business opportunities. It also licenses out selected high value industrial technologies. Its consulting services include advice on licensing negotiations and the development of business plans and funding strategies for high tech start up companies.

**Pharmaceutical Licensing Consultants
Alan J. Lemlin**

Specializing in pharmaceutical, diagnostic and biotechnology licensing. Representing pharmaceutical and biotechnology companies, and private inventors. Consultation in the areas of technology search, acquisition, agreement preparation and negotiation. Office located, U.S.A.

**PharmaServe International, Inc.
Ronald M. Kuidla, Ph.D., M.B.A.**

Specializing in the licensing of pharmaceutical products and new drug delivery technologies. Our background and experience will especially be of value to Japanese and European clients who wish to interact with U.S. pharmaceutical companies. PharmaServe has offices in both the U.S. and Japan. Independent evaluations of the scientific and commercial potentials of licensable products and technologies are provided. Consultation on the development of new product dosage forms and technology transfer is provided.

**Phillips Fox
Patrick Fair**

Area of practice: special purpose software, authorship and licensing agreements particularly in relation to aviation applications, licensing and secrecy and research and development agreements in relation to pharmaceutical and veterinary preparations: name and

image licensing. Country of residence: Australia, principal office Sydney and associated offices throughout Australasia.

**Pierola & Asociados
Jose de Pierola**

All areas of technology; representing interested investor in contacting Peruvian partners, and then in drafting contracts of joint venture and transference of technology and licenses of use of patents and trademarks. Especially interested in foreign investment and subsequent transference of technology into Peru.

**Polyresearch Service B.V.
W. Van der Voorde**

Patent searches of all categories on behalf of industrial patent departments (corporate patent counsels), independent patent attorneys and patent law offices; indirect innovation counselling by permanent patent watch; i.e., monitoring of new patent documents in all fields of technology published in the more important industrial countries and selective dissemination of the information retrieved in this way.

**Protean Enterprises International Limited
David J. Cooper**

Technology profile: medical device, pharmaceutical, biotechnology, and life science technologies (technology categories 14, 24, 26 and 27. General business development services. Client profile: international healthcare companies, medical device manufacturers, biotechnology companies, pharmaceutical manufacturers, product development agencies, corporate business development and strategic planners. Principle's head office based U.K. for European coverage.

**Rain Hill Group, Inc.
Christian Nielsen**

RHG identifies for multinational corporations technologies, innovations and new products. RHG multidisciplinary technical staff evaluates information drawn from a vast global network of intelligence sources and updates proprietary database of over 20,000 opportunities. RHG works with companies in America, Europe and Asia in all high technology fields.

**Reddie & Grosse
J. M. Davies**

United Kingdom chartered patent agents; European patent attorneys; trademark agents; consultants in design rights of industrial copyright; assignments and licensing. The firm as a whole covers all areas of technology under categories 1 through 28. Particularly involved with biotechnology (27), pharmaceuticals (14) and associated technologies.

strumentation and devices, optical and laser systems, oil exploration instrumentation and manufacturing technology. Located in U.S.A.

KEW Associates, Inc.
Edward P. White

Areas of competence/interest: licensing in and out, joint venture, franchise, corporate acquisition also new product and technology acquisition; contract negotiation; tech transfer; tech evaluation; management of intellectual property rights; and domestic and foreign market analysis. Categories of interest and familiarity; 4,8,9,10,13,15,17,19,20,21,23-29 (agriculture and agro equipment).

Lionello Ladi
Lionello Ladi

Technology categories: 14 and 26. Clients I represent and seek: pharmaceutical laboratories-distributors. Principal office, (Milan) Italy.

Lomar Associates
J. Lou Ekebrecht

License both in and out of Canada, worldwide, on behalf of client companies, offering and searching for opportunities. Licenses have been established in over 40 areas of the world, often with the cooperation of associates in foreign countries. Provides seminars for industry and training seminars for Governments of Canada. All categories are covered including leisure, agriculture and aquaculture. Foreign associates in over 40 countries.

Mannheimer & Zetterlof
Magnus Wallender

Various kinds of technology, inter alia pharmaceutical and medical care technology. County of residence, Sweden.

M & W Consultants
Marcel E. Mussard

Specializing in industrial innovation, market research, marketing, know-how transfer, joint ventures, set up of new production facilities, venture capital investments. Having experience in management of high-tech projects, particularly in such fields as micromechanical and electronic devices, sensors, instrumentation, control systems, microelectronics, data processing equipment, telecommunication, medical electronics, materials.

Marval & O'Farrell
Ernesto O'Farrell

Act as lawyers and patent and trademark agents for many international companies which are engaged in different kinds of businesses and use different technologies. We are particularly active in negotiating, drafting and recording license agreements between foreign licensors and local licensees and assist clients during the life of their agreements, especially in connection with government and central bank regulations.

The Mattson Jack Group/MedStrategy, Inc.
William R. Mattson, Jr.

Provides strategic services to pharmaceutical/health care companies including: business development-searching for new products/technology; licensing representation; technology assessment-evaluation of new products; advice regarding creative partnering. Current clients range from start-ups to multinationals in USA, Japan and Europe. A related company, MedStrategy, authors and sells comprehensive consulting reports on major new areas of therapeutics. The Mattson Jack Group/MedStrategy are based in St. Louis, Missouri, USA, with offices also in Chicago and on the East Coast.

McDennan & Co., Ltd.
Michael D. Crotty

A 10 year old, privately held licensing, product development and marketing company specializing in OTC and personal care products (category 16). We operate as consultants and agents for patents and know-how, ingredients, new products and companies relating to these categories. Fees and commissions are negotiated on a project basis. Territory is worldwide. Principle office is located in Cincinnati, Ohio, USA.

Meadowbrook Consulting
Elizabeth A. Batson

Assists clients in (1) assessing the market or licensing potential of new technologies, (2) identifying prospective partners, (3) developing licensing strategies and (4) improving the technology transfer process. Our specialty is providing a market assessment and/or preliminary list of prospective partners at a moderate cost. Ms. Batson has worked with a wide range of technologies with special expertise in software, computers and electronics. Clients include companies, universities and federal laboratories.

Michael A. Clark - Consulting
Mike Clark

Specializing in business development within the Vision Care/Ophthalmic Device field. This includes consulting in manufacturing operation start-up, product development, technology licensing, and project management

Heckathorn Technologies
Jeffrey L. Staley

Provides technology management consulting services to manufacturing companies whose success rests on their ability to develop, acquire and apply technology faster and more efficiently than their competitors. Help achieve shorter development times and lower development costs through Technology Asset Planning: identification of technology needs, inventorying of existing technology assets, clarification of gaps, technology make or buy analyses, options for external development or acquisition, reduction of barriers to technology trading. U.S.A. Technology categories: 8, 19, 20, 21, 24, 25, 26 and 28.

Heikki Haapaniemi Law Offices
Marja Tommila

Specialized in Industrial Property Law and Marketing Legislation; various Finnish and international clients representing different areas of technology.

Heller & Associates
Caren A. Heller, M.D., M.B.A.

Assists companies interested in identifying and evaluating pharmaceutical (14) and biotechnological (27) products for licensing and development. Capable of in-depth scientific and clinical review of a product and detailed market research, Heller & Associates is well suited for smaller and medium size companies that do not have the same extensive market information and medical resources available to larger firms. Also assists foreign companies in understanding the U.S. market and its pharmaceutical products.

H.G. Pars Pharmaceutical Laboratories, Inc.
Dr. Harry Pars

Technology categories 14 and 27. We represent pharmaceutical and nutritional, as well as biotechnology R&D products and R&D companies, in later stages (pre-market approval) of their life cycle to the marketplace. For example, new chemical or biotechnology entities for cancer, leukemia, arthritis, moderate to severe pain relief, glaucoma, juvenile diabetes and multiple sclerosis. Also, ethical and OTC-approved medication for normalizing gastro-intestinal functioning; fiber-based nutritionals for the food industry. U.S. and European based.

Hood, Malcolm & Associates
H. Malcolm Hood

Technology transfer services, particularly in the fields of human or animal health, chemistry biology, instruments and polymers as set forth in categories, 7, 13, 14 and 24-27.

Howard H. Irvin Associates
Howard H. Irvin

Offer license opportunities in and out in categories 5, 7, 12, 17 with particular emphasis on engineering polymers, polymer additives specialty chemicals relating to polymers and adhesives for structures, polymers and rubber to metal bonding. Headquartered in USA but individual associates in European countries, Taiwan and Japan.

H.R. Hodgkinson & Company
Hugh Rudyard Hodgkinson

An Australian firm of patent attorneys active in the field of technology transfer and licensing. We are able to offer assistance to our clients particularly in the transfer of technology into Australia and attendant patenting procedures. Our firm is also experienced in services relating to trademarks and litigation.

Innovation & Development Partners, Inc.
Alastair Samson

Technology categories: 4,6,10,12,18,19,20,23,27,28 and also genetically selected fish for aquaculture; aquaculture equipment for hatcheries; aquaculture cages; design and turnkey construction of aquaculture hatcheries and farms. Within Canada and internationally, IDP works closely with businesses and institutions to: commercialize R&D and technologies; acquire new technologies to expand a company's product and technology base; establish contract and cooperative R&D programs with other businesses and institutions and launch new business ventures.

Instituto Nacional de Industria
Robert Sterner

Consulting and brokerage capabilities in: assistance with industrial and technological surveys (Spanish domestic market); assistance with investment decisions in Spanish industries; assistance with licensing flow and transfer of technology in/out Spain. Develop of master plans of introducing in Spain, including strategy in every significant field (investment, finance, market, technology, human resources); preparing visits to Spain, arranging meetings, and additional activities.

Intercon Research Associates Ltd.
James D. Donovan

Established over 26 years in assisting companies around the world to establish international cooperations and strategic alliances that provide for the acquisition of new products and new technologies and international market expansion. Intercon works in over 120 different technology areas and is seeking and offering new products in a wide variety of sectors such as medical products, pharmaceuticals, specialty

Technological audit. Search of firms potentially interested in specific technologies. Technology marketing support. Especially for small and medium industrial firms, also legal, economic and fiscal consultancy support. Offices: Madrid, Spain.

Crawford Hill Consultants
Ian C. Hill

Engaged in the automotive sector (technology category 21). We specialize in Eastern Europe and have offices in Moscow, Prague and Budapest. Also active in Japan, Korea and China. A number of leading companies in engineering development and component manufacture retain our services.

Creel y Garcia-Cuellar, S.C.
Carlos Muggenburg R.V., Esq.

We are interested in: Plastics (resins, processes and equipment); petroleum refining, products and processing; paints, varnishes, coating and adhesives; computers, data transmission, communication and software; and mechanical machinery and equipment (construction, manufacturing, air conditioning heat exchanges, vending and machine tools). Location, Mexico.

Cruikshank & Fairweather
Donald C. MacDougall

European Patent Attorneys. Location: Scotland

CTC & Associates
Charles Blalch

CTC & Associates is a commercial development group. As such, it is responsible to its clients for patent and trademark prosecution; product engineering and design; technology transfer (in and out); market research, development and product introduction. It is active in categories 12, 23 and 29 (consumer products such as educational toys/games, hand tools, specialty bird feeders and accessories). CTC is located in the U.S. and has associates in Europe.

Current Patents Ltd.
James Drake

Publishes influential "Michelin-style" guides to the latest drug and biotechnology patenting trends in its monthly patent evaluation journals. Potentially important patents and applications (from a comprehensive data base) are selected by International Advisory Panels, and evaluations are prepared by leading authorities with appropriate expertise. The service provides the earliest and most reliable indication of patenting trends, for licensing executives and other decision-makers at the business/science interface in the pharmaceutical and healthcare industries.

Data Securities International, Inc.
Drew A. Deer

The largest provider of technology asset protection services in the world. Founded in 1983, DSI provides technology escrow and consulting services that protect the rights of all parties involved in a licensing transaction. DSI's escrow contracts are written by the leading computer lawyers in the U.S. and administered by DSI to ensure adherence to terms and conditions. Consulting services include technology asset valuation, audit, risk assessment, and technical verification of escrowed materials.

Frohwitter, Geissler & Partner
Dr. J. Pagenberg, Udo Alterburg, Bernard Frohwitter,
Dr. B. Geissler

Petroleum refining, products and processing; industrial organic chemical products and processing; drugs; computers, data transmission, communications and software; electrical and electronic equipment; mechanical machinery; medical, surgical and dental instruments; biotechnology; automation and robotics; licensing and prosecuting of patent applications in all the above areas.

David J. French LL B Eng.
David J. French

An engineer and lawyer, acts in licensing matters, both as a consultant/broker and in a legal capacity. Located in Ottawa, Canada he is affiliated with a law firm (Lette & Associates) with offices in Toronto, Montreal, Paris and Geneva. As well as practicing before the Patent Office, and Ontario and Federal Courts of Canada, he is prepared to act in licensing matters for selected clients and technologies under a variety of arrangements.

Dawson Waldron
Dawson Waldron, Ian Betts, John Kench, Ian Crawford,
Aldo Nicotra

Lawyers specializing in technology transfer, licensing, joint ventures, franchising, industrial and intellectual property protection and related litigation. Representing clients in all technology fields.

Denton Hall Burgin & Warrens
I. Meshoulam

Particular categories: 6, 12, 8, 19, 23 and 27

Dr. Dvorkovitz and Associates
Vladimir Dvorkovitz

A computerized registry of technologies available for license in centers in the USA, Italy, Spain, Japan, Russia and Czechoslovakia - interconnected for simultaneous updating. Clients have on-line access or

biotechnology (27). Clients represented and sought: pharmaceutical and biotechnology companies; venture capital, accounting and brokerage firms. Office locations: Boston (U.S.A.) and Bad Oeynhausen (West Germany). Expert capabilities: 1) find new technologies for diversification via acquisition, product licensing, joint ventures, or strategic alliances. 2) Assess technologies, products, markets and companies for new opportunities. 3) Establish and maintain liaison between in-house research and development groups and outside collaborators.

Bolden Contech AB
Jan-Erik Nolleus

We specialize in: extraction and refining of precious metals, kaldo technology for copper and lead producing plants; hard rock mining. Ore beneficiation plants for precious metals, copper, lead, zinc and polymetallic concentrate, sulphuric acid plants, liquid SO₂-plants, aluminium sulphate plants; and waste incineration plants, industrial gas/cleaning, removal of mercury and diotive from gases. Sweden.

Brigard & Castro
Ramiro Castro

Located in Bogota, Columbia.

Bruderer Management Consultants
Werner Bruderer

Type of clients: inventors, manufacturing and/or sales companies, marketing organizations and investors in the technology fields 1, 2, 7, 17, 18, 19, 20, 21, 22, 23, 24 and 26. Kind of services: intellectual property management, licensing in and out, license negotiations, diversification studies, project management for technology transfer and innovation projects, technical and commercial market studies, patents, designs and trademarks prosecution. Country of residence: Switzerland.

American Products Network
Ernest R. Jones

Assist American companies, Universities, and Government Research Laboratories establish and maintain Technology Transfer Programs. Represent American organizations seeking to identify and evaluate suitable licensees and licensors worldwide. Assist American clients in negotiating joint ventures, service agreements, or licensing agreements for new products, new processes, and intellectual property worldwide. Specialize in American technologies fully protected by patents, trademarks, copyrights, or trade secrets. Primarily high tech search areas and source evaluation/screening for categories 18, 19, 22, 23, 24, 25 and 26.

American Technologies, Inc.
Dr. Girish C. Barua

Specialty chemicals: functional and cross-linking monomers, surface-active agents, specialty polymers, and their industrial use in pharmaceuticals, food, emulsion polymerization, personal-care and cosmetics, agricultural and health oriented industries. Located in U.S.A.

Andersen, Arthur, and Company
Howard R. Serlin

Specializing in income tax matters related to licensing and US/Canadian cross-border taxation.

API International Business Development Group
George Madden

Technology Transfer by means of joint venture, license agreements, consortia, joint working relationships. Active in market survey, management information systems, mergers, acquisitions, operational research. Specialize in product/company search type projects. General intellectual property practise. Main areas of activity are Europe and America. Typical clients are medium to large manufacturing firms. Categories of prime interest are 1, 14, 16, 19, 20, 24, 26, 27 and 28.

Armbruster Associates
Dr. David Armbruster

Worldwide chemical consultants providing services for licensing/technology transfer: business opportunity analysis/identification, business development, competitive analysis, marketing research, market assessment, corporate acquisition, new product/technology acquisition, technology assessment/evaluation, planning, joint ventures and new ventures. Technology categories of specialization: 5, 7, 12, 15 and 17. Additional technology categories are acrylates/methacrylates, specialty chemicals/monomers/polymers, photopolymers, radiation (ultraviolet light/electron beam) curing and emulsion/water soluble polymers.

Arthur Young Management Consultants
Dr. Charles Fairley

Clients are manufacturing companies in major industrial sectors seeking to develop new business by innovation and licensing both in and out. Special interests are biotechnology (27), health care (26), information technology (18), and food processing (1).

Associated Valuation Technologies, Inc.
Gordon V. Smith

Associated Valuation Technologies, Inc., is a U.S. based consulting company specializing in the valuation of

TECHNOLOGY TRANSFER CONSULTANTS AND BROKERS

These organizations have submitted the following information about their activities, especially their services in connection with assisting others in technology transfers, including any areas of technology where they have special knowledge or concentrate their efforts.

Adams & Adams **C. Slabbert or A.J. Smith or S.C. Ferreira**

Intellectual property licensing, currency exchange control, technology management and joint venture arrangements. Licensing into and out of the Southern African region.

AdNovum AG **Dr. A. Lauchenaue**

Providing and sourcing of: (1)Technology (processes, products, turnkey projects etc.); (2)Joint venture partners, takeover candidates; (3)buyers and sellers of products (foodstuff, metals, chemicals, etc.); (4)financing contracts for building projects, acquisition projects, etc. Our clients are importers, exporters, trading companies, specialists, government agents. Our *modus operandi* is through an international network of reliable specialists. Country of residence, Switzerland.

University of Alberta & Kingfisher Consulting Ltd. **Dr. John Barrington-Leigh**

International, multi-national technology transfer, funding location, company liquidations and transfer (sale). Specializing in intellectual property and hardware/plant transactions in areas of biotechnology, biomedicine, biophysics, immunology, cancer, optics, lasers, computer-controlled devices.

Amrad Corporation Ltd. **John Grace**

Amrad is an Australian based company specializing in commercializing Australian biomedical research. Our major interest is in licensing out this technology, but we do seek other licensable technology to compliment our existing research project portfolio. Amrad has research affiliations with the Walter and Eliza Hall Institute of Medical Research, the Murdoch Institute, Royal Childrens Hospital, Howard Florey Institute, Monash Medical Centre and Maker Medical Research Institute. Commercial products include HIV-1 diagnostic kit (Aust. and N2 only), FlurFWNW (novel plasma), ESGRO-mLIF growth factor for marine pluripotential embryonic stem cells, and ADA-FX (novel DNA-binding protein).

Aquateam Norwegian Water Technology Centre A/S **James D. Berg, Ph.D.**

We are a R&D consultancy specializing in the development and application of environmental technology. Fields of expertise include offshore pollution control, sludge treatment, and remediation of contaminated soil/groundwater as well as water and wastewater treatment. We represent either industrial clients seeking to develop/transfer environmental technology (recent examples are international R&D projects and joint ventures in USA and UK); or clients requiring a solution to a pollution problem, e.g. via environmental audit or an evaluation/procurement of process technology. Principal office in Oslo.

Arthur D. Little Enterprises, Inc. **Edward J. Kenney**

The invention management team specializes in all technical areas. We rely heavily on the diverse technical and marketing resources within the consulting staff of Arthur D. Little, Inc. At no obligation, the Arthur D. Little staff will conduct a preliminary evaluation of the product or process. If evaluation proves favorable, Arthur D. Little Enterprises will handle the invention at its own expense in return for a share of any licensing revenues which may be obtained.

Arthur F. Grogan **Arthur F. Grogan**

Specializing in the following technology categories: rubber and plastic products and processing, agricultural chemicals, packaging, graphics and printing, paints, varnishes, coatings & adhesives, transportation and lifting equipment, pollution control and sports and leisure. Representing Australian manufacturers seeking overseas technology in the above areas and Australian developed technology for overseas licensing. Country of residence and principal office, Australia.

Assembled Systems, Inc. **Bernard E. Berlinger, Jr.**

Using advanced technology, ASI designs and produces custom engineered gear drive systems for the health care field (wheelchairs, 3-wheel scooters, mobile medical equipment and others) and other specialized markets. Licensing of its designs is encouraged. ASI aggressively seeks new design and application opportunities on a worldwide basis where its manufacturing

**The Research Foundation of State University
of New York
Eugene K. Schuler, Jr.**

Seeking opportunities to license out technology, research cooperation, joint ventures, sponsored funding in the areas of biotechnology, pharmaceuticals, medical and other instrumentation, electronics, membrane technology, chemical engineering, computer software, and pulp and paper science.

**Scottish Development Agency
Roy Lauder**

The Scottish Development Agency's Technology Transfer Division represents Scottish industry in every sphere of technology. Based in Scotland we have international operations in the USA, EC Europe and Eastern Europe. Our clients are typically overseas and Scottish businesses looking for inward and outward licenses and joint ventures both with companies and academic institutions.

**University of South Florida
Ralph D. Gunter, Ph.D.**

Technology categories: 1, 4 (especially supercritical process), 5, 11, 14 (especially growth hormones), 18, 19, 20, 24, 25, 26 (especially artificial heart and vascular prosthesis), and 27 (especially electrofusing biological particles to tissue).

**University of Surrey, Guildford Surrey GUSCH
James V. Reed**

Surrey is a technological university with strength in all engineering sectors, sciences and human studies. Its bureau of industrial liaison handles patent and licensing (in and out), consultancy services and all research grants and contracts. BIL also deals with technical inquiries and plays an active role in the development of university based companies (England).

**The Technology Exchange Ltd.
B. Padgett**

The Technology Exchange is an international technology transfer organization sponsored by Esso UK, British Petroleum, The Wellcome Foundation and British Telecom. It currently serves over 300 UK companies both offering and seeking technology. They publish a quarterly catalogue of license, joint venture and distribution opportunities from ten European countries; source machines and technology for all developing countries. They operate a computer index of 15,000 world license offers, adding 200 new offers each week.

**Technology Transfer Program
Randall D. Olson**

As a university funded program, we transfer consumer and industrial-based products to manufacturers and financing sources.

**The University of Texas Health Science Center/Houston
Jan K. Simpson**

Cooperative research and technology transfer of categories: 14, 18, 26 and 27.

**The University of Texas M.D. Anderson Cancer Center
Carol S. Grande**

Seeks research collaboration and outside funding. License opportunities: hybridoma technology, molecular biology, protein expression, anticancer therapeutics and diagnostics, genetic probes, drug delivery systems, vaccines, diagnostic imaging, radiotherapy, lasers. Research and clinical institution dedicated to the diagnosis, treatment and prevention of cancer in areas of biochemistry, cell biology, genetics and immunology. Over 216 Ph.D. and 257 M.D. staff members, external funding support of over \$70 million and provides patient care.

**The University of Texas Medical Branch at Galveston
E. Ray Stinson, Ph.D.**

The University of Texas Medical Branch offers technology in the areas of immunology; cancer therapeutics; biological response modifiers (Interferons, viral inhibitors); allergy immunotherapeutics; growth factors; wound healing; diagnostic test kits; orthopedic devices; biodegradable implants. Technology categories 14, 26 and 27.

**UCLi Limited
Dr. Margo Goldpink**

UCLi Limited, a company owned by University College London, promotes the active collaboration of 2,000 academic staff members in over 70 departments with industry, commerce and governments in the U.K. and abroad. UCLi licenses technology and software; patents and manages IPR; arranges consultancies, R&D, feasibility studies and prototype design; and coordinates continuing education. In addition to Group I entries, available technologies include: 10, 11, 12, 13, 19, 20, 21, 23, 25 space sciences, transport studies, structural engineering and non-destructive evaluation.

**Institut Pasteur
Berneman Danielle**

Cooperative research agreements and licenses are sought in biotechnology and therapeutics fields.

**Inventors Workshop International/Mindsight, Inc.
Alan Arthur Tratner**

Practically all categories of consumer products and industrial products based on new inventions available from international membership organization of inventors/entrepreneurs. Licensing for royalties, outright sale and joint-ventures considered. R&D funding solicited. Investment opportunities. Annual Expo.

**Kansas State University Research Foundation
John W. Walters**

The Kansas State University Research Foundation (KSURF) was established to handle intellectual property that comes from University research. KSURF is familiar in handling joint research and other aspects of intellectual property. Kansas State University has strong research programs and available technology in the following areas: food products; textile products; human and animal medicine products, pollution controls, electrical and mechanical equipment, plus sports and leisure. KSURF has a wide range of intellectual property besides those listed.

**University of Karlsruhe, West Germany
Thomas Gering, Dipl.-Ing.**

The University of Karlsruhe is one of the leading technical universities in Germany having 12 faculties of which 6 focus on engineering and 3 on the natural sciences. Scientific research is performed in the following areas: Production engineering, automation and robotics, artificial intelligence; environmental protection, biotechnology, transportation engineering; energy supply engineering, ceramics/material sciences, microelectronics; industrial processing of chemical products. The University cooperates frequently with industry and looks for international contacts (licensing out, cooperation).

**Kentucky Office of Business & Technology/Cabinet
for Economic Development
Dr. D. M. Stein**

The Kentucky Office of Business and Technology is a state office established to foster the development and use of technology by Kentucky companies by (1) providing a state focus on technology with services and programs geared toward the state's technology-based businesses, (2) serving as a link between businesses and the technological resources and research capabilities of both the private and public sectors, and (3) providing and managing incentive grants to facilitate technology development.

**LaJolla Institute for Allergy and Immunology
Makoto Nonaka, M.D., Ph.D.**

The LaJolla Institute for Allergy and Immunology is a non-profit, basic biomedical research institute for allergy and immunological diseases. Makoto Nonaka, M.D., Ph.D., founder and president, specializes in allergy research. The Institute anticipates receiving substantial funding from the National Institutes of Health, the National Science Foundation and other public and private sources. The research is headed by Dr. Kimishige Ishizaka, who discovered the IgE (Immunoglobulin E) protein, a molecule inducing allergic reactions in the human body.

**Lawrence Berkeley Laboratory
Pepi Ross**

Lawrence Berkeley Laboratory (LBL) is a multiprogram national laboratory managed by the University of California for the U.S. Department of Energy. Research programs include materials science and chemistry, earth sciences, biology and medicine, conservation and renewable energy, high energy and nuclear physics, as well as engineering, mathematics and computer sciences. One of the Lab's goals is to develop productive relationships between LBL research programs and private industry. LBL has an active licensing program and invites your inquiries.

**Medical College of Wisconsin Research Foundation
Donald H. Westermann**

Inventions of 730 physician and Ph.D. medically-oriented researchers are transferred to the commercial sector for licensing and new company start-ups. The majority of license activity is related to medical devices and supplies.

**Michigan Biotechnology Institute (MBI)
Dr. Jack H. Pincus**

Michigan Biotechnology Institute (MBI) is an applied research and development corporation, engaged in industrial biotechnology. Specific interest areas: novel biodegradable polymers, waste treatment, fermentation & chemicals, industrial enzymes. Industrial pilot plant for commercial validation.

**University of Missouri
Connie M. Armentrout**

The University of Missouri four-campus system has interest in licensing out technology in the following categories: 1, 8, 9, 10, 11, 12, 13, 14, 17, 19, 20, 22, 24, 25, 26, 27, 28, and 29, Waterjet technology. We are interested in exploring with industry ways to assist in solving specific research problems, in conducting joint research projects with industry, and promoting industry-supported basic research to build a solid base for tomorrow's technology.

priorities are food, leather, agro-allied, building materials. C.D.I. has a budget to support the study and implementation of projects - located in Belgium.

**University of Cincinnati
C. Thomas Cross**

Seek research support funding and/or licensing out on a variety of technologies including medical, diagnostic, chemical, biochemical, engineering, sensors, electronics, composites, new materials, superconductors, membranes and robotics. Also offer special option arrangement regarding further research of special interest. Technology Menus available on updated basis.

**City of Hope National Medical Center
and Beckman Research Institute
Eric Jurrus**

Nucleic acid probes, chimeric antibodies, insulin receptor binding peptides, inhibition of lipogenesis, treatment of nervous system degeneration, protein sequencing chemistry and instrumentation, mass spectrometry and proteins, devices for prevention of accidental needle sticks, immunohistologic screening devices and methods, cancer chemotherapy, bone marrow transplantation, genetic detection of disease resistance in domesticated fowl. AIDS (molecular biology of HIV, therapeutic agents), ribozymes, retroviruses, neurophysiology and neurochemistry, diagnostic imaging using antibodies, alcohol metabolism, molecular modeling, Tourette syndrome, radiation oncology.

**Columbia University
Andrew D. Maslow**

Columbia seeks cooperative research and outside funding for development of cancer therapeutics.

**Columbia University
Office of Science & Technology Development
Jack M. Granowitz**

Technology areas: chemistry, physics, geophysics, biotechnology, medicine, engineering and computer science.

**Colorado State University-Research Foundation
K. Byington**

Animal reproduction research; embryotransfer and cloning in cattle and horses; injection of isolated genes into ova or one-cell developing embryos; cellular and molecular biology research implants and cell culture; fermentation facility; computer assisted engineering and design; manufacturing and robotics facility; nondestructive evaluation lab; neurobiology; marrow transplant laboratory; therapies for metabolic diseases and retrovirus infections in animals.

**Council For Mineral Technology - MINTEK
R. A. Wood**

Smelting - refining of copper and copper nickel concentrates especially if containing precious metals. Plasma-arc furnace technology. Ferro-alloy technology, gold extraction technology. Ore-dressing technology, control milling circuits and extractive metallurgical processes -multi variable control mineral beneficiation and magnetic separation.

**University of Dayton Research Institute
Lloyd Huff, Ph.D.**

The University of Dayton Research Institute (UDRI) conducts both basic and applied research for government and industrial sponsors. Research programs cover a broad range of disciplines in engineering and the physical sciences with emphasis on problem solving and applied research. UDRI is committed to making its technology available to the private sector and welcomes industrial sponsorship. Technologies are available for licensing in the areas of high-performance materials, metal processing, optical inspection, energy storage, jet propulsion, instrumentation, fire safety materials, and biomaterials.

**Fermi National Accelerator Laboratory
John T. Venard**

Fermilab is a single mission Department of Energy laboratory directed toward studying the fundamental nature of matter. Fermilab operates the world's first and most powerful particle accelerator, the Tevatron, and has expertise in cryogenics, accelerator design, controls and operations, superconductivity, advanced computing concepts, fast electronics, and software. We actively seek Cooperative Research and Development Agreements with industry in these areas and we offer licensing opportunities in technology categories 5, 18, 19, 20, 24 and 29.

**Fox Chase Cancer Center
Patricia Harsche**

Fox Chase encourages partnerships with industry that assist us in fulfilling our mission by allowing technology and know-how developed at Fox Chase to be applied in the public interest while simultaneously garnering a broad financial base of support for future efforts. Relationships with industry fall into four basic categories: service research, collaborative research or development, licensing agreements and consultation or technical assistance.

**Georgetown University
Gregg W. Kyle**

Georgetown University has technology in the following areas: Linkers for monoclonal antibodies and fluorescent molecules that increase sensitivity, liposomal drug

UNIVERSITY AND NON-PROFIT ORGANIZATIONS

These universities and non-profit organizations have submitted the following information about their activities, especially their special research expertise and technology available for licensing.

AEA Technology **Judy A. Norrie**

AEA Technology has advanced expertise for technology transfer and licensing in: extrusion processes, including CONFORM continuous extrusion; materials treatment by irradiation, implantation, coating, plating and encapsulation; catalysts; biotechnology; instrumentation systems; power fluidic pumps, diverters, valves, etc., for ultra-high reliability chemical processing plant; separation processes, including drying, gas cleaning, extraction and crystallisation; mathematical modelling and computer software; computerized ultrasonic inspection training systems; calibration and monitoring; safety and reliability assessment techniques.

Agriculture and Food Development Authority (TEAGASC) **Sean Silke**

The Agriculture and Food Development Authority (TEAGASC) is the national research, education and extension organization for the food and agriculture industries in Ireland. Major programme areas include food processing, animal/crop production systems and biotechnology. We are interested in proposals for cooperative R&D ventures in food technology, plant breeding and agri-engineering. We also specialize in the pre-launch evaluation of veterinary products, animal feeds and agrochemicals.

University of Alberta & Kingfisher Consulting Ltd. **Dr. John Barrington-Leigh**

Pharmaceuticals; biomedical processes and medical devices; agriculture and food science; computer software and learning devices; instruments and methods and 3-D imaging.

Australian Trade Commission **Richard John Seddon**

The Australian Investment Programme in North America, operated by the Australian Investment Commissioner, solely in New York, is especially interested in seeking North American technologies in the information industries, biotechnology, scientific and medical equipment, advanced manufacturing and in the processing technologies, especially for food products and food engineering domiciled in New York.

Austrian Trade Commission **Peter A. Gatscha**

The Austrian Trade Commission offers trade, joint venture and licensing opportunities. The objective of the Austrian Trade Commission is to facilitate trade relations between Austrian and American companies. (New York office).

A/W Partnership **Brian Clevinger**

The A/W Partnership is a technology transfer organization associated with Washington University in St. Louis. A wide variety of technology is being developed with particular interest in such biomedical technologies as vaccines, allergies, electrophoresis, recombinant biologicals and other technologies such as fiberoptics and computer software.

BCM Technologies, Inc. **Lynne K. Downs**

BCMT is a wholly owned subsidiary of Baylor College of Medicine in Houston, TX, whose purpose is to commercialize technology from Baylor by forming a separate company whenever feasible, or by licensing it to an existing company.

Bioresearch Ireland **Dr. John McManus**

Offer technology in categories 27, 14, 12 and 1. The following categories should also be included: clinical diagnostics, animal cell culture and food flavours and additives. Bioresearch Ireland is a contract research organization formed to commercialize biotechnology research in Irish universities & research institutes. (Ireland).

University of British Columbia **Dr. James W. Murray**

UBC is a large university with broad research expertise. Areas of particular interest include: Food processing and packaging; biotechnology; medicine; pulp, paper wood products and lumber; metals and materials engineering; computers; data transmission; communications and software; electrical engineering; physics; geophysics; chemistry; mechanical engineering; and commerce and business administration. (Canada).

TECHNOLOGY CATEGORY: 27 BIOTECHNOLOGY

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Life Technologies	Lavrich, C.	BOTH	Biochemicals, reagents, sera and cell media; diagnostic products, especially cancer and infectious disease testing; forensic testing technology
Liphatech, Inc.	Nethery, A.A.	IN	Agricultural, microbial
Lubrizol	Kiggins, E.M.		
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Martin Manco & Company, Inc.	Matlack, L.R.	IN	Rapid microbiological methods - non-clinical for industrial products
Merckle, GMBH	Strugala, G.	BOTH	
Mieji Seika (USA) Inc.	Wimptheimer, L.	BOTH	Relating to pharmaceuticals - human & animal medicinals
Mobay Corporation	Carlo, W.C.	IN	
Monsanto Agricultural Company	Zschoche, W.C.	IN	Plant related technology
NOR-AM Chemical Company	Surles, W.W.	IN	Products related to agriculture
Nova Nordisk Pharmaceuticals, Inc.	Lauritano, A.A.	IN	New drugs and delivery
Ortho Biotech	Kramer, P.B.	BOTH	Pharmaceuticals, growth factors and antibodies.
Pfizer, Inc.	Gardiner, G.E.	BOTH	
Reid-Rowell Pharmaceuticals	Feldhouse, J.H.		
Research & Resources, Inc.	Westermann, D.H.	OUT	
Research and Development Institute, Inc.	Flair, R.N.	OUT	Bioherbicides and biopesticides
Rohne-Poulenc AG Company	Zigas, R.P.	IN	Biopesticides only
Rorer Health Care UK Ltd.	Lloyd, P.B.	IN	Human drugs
Schering-Plough Corporation	Breiner, W.J.	BOTH	
Sentron Medical	Margules, G.S.	BOTH	Immunotherapy, tissue engineering, wound healing and drug delivery
Shiseido Co., Ltd.	Mori, R.	BOTH	Raw material for cosmetics and drugs
Smith Kline Beecham	Dillon, J.H., II	IN	
	Kohn, N.M.	BOTH	
Stratecon	Beck, C.I.	BOTH	Plant biotechnology re food and agriculture
Surgitek	Johnson, G.	IN	Implantable devices
Synbiotics Corporation	Soulds, G.A.	BOTH	
Synergen, Inc.	Abbott, G.B.	BOTH	Proteins and peptides; drug delivery technologies
	Saxe, J.S.	BOTH	Proteins and peptides; drug delivery technologies
T Cell Sciences, Inc.	Pickering, L.A.	BOTH	Areas of autoimmune disease and cancer
Tago, Inc.	Bland-Vorwald, C.E.	IN	Monoclonal antibodies and immunologicals
Tosoh Corporation	Stockel, R.F.		Diagnostic methods of detecting diseases
Taki Chemical Co., Ltd.	Tukamoto, J.	IN	
Technology Catalysts, Inc.	Dicicco, R.L.	BOTH	Optically active intermediates
UCLI Limited	Goldspink, M.	BOTH	ESP, enzyme technology, fermentation technology, bioreactors & microbial catalysis
Warner Lambert	Walsh, R.J.	BOTH	Healthcare products
Weyerhaeuser Company	Taylor, C.	BOTH	

TECHNOLOGY CATEGORY: 28 AUTOMATION AND ROBOTICS

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Airmuscle Limited	Hennequin, J.	OUT	Low cost pneumatic robotics
Boeing Company, The	Hanna, J.	OUT	Robot accessories, automated manufacturing
Corning Incorporated	Craig, C.R.	BOTH	CIM, AI, sensors
Gencorp, Inc.	Rote, F.C.	IN	
Kito Corporation	Ohno, M.		
MRI Ventures, Inc.	Muir, R.F.	BOTH	
OKI Electric Industry Co., Ltd.	Hiroo, T.	BOTH	
Texaco Development Corporation	Kulason, R.A.	BOTH	Seismic data acquisition
Translab, Inc.	Brenholt, D.L.	OUT	Specialized machine design, process development

TECHNOLOGY CATEGORY: 24 INSTRUMENTS, DEVICES, CONTROLS AND SYSTEMS

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Research and Development Institute, Inc.	Flair, R.N.	OUT	Environmental testing
UCLi Limited	Goldspink, M.	BOTH	
Upjohn Company, The	Schwartz, P.B.	OUT	
Westvaco	Mulligan, D.	BOTH	For the paper industry

TECHNOLOGY CATEGORY: 25 PHOTOGRAPHIC DEVICES, OPTICAL INSTRUMENTS AND LENSES

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Boeing Company, The	Hanna, J.	OUT	Measurement, inspection, fiber optics
Corning Incorporated	Craig, C.R.	BOTH	Displays, sensors and lenses
E.I. DuPont DeNemours & Co., Inc.	Wachinski, C.	IN	X-ray film and associated technology
	Weisman, H.S.	IN	X-ray film and associated technology
Kodak-Pathe	Buff, M.		Photographic devices
Smith & Nephew PLC	Horlington, M.	BOTH	Healthcare, dressings, adhesives, splinting, orthopedics, hygiene, intraocular lenses
Sola/Barnes-Hind	Geeting, D.G.	IN	Contact lenses, lens care systems and accessories

TECHNOLOGY CATEGORY: 26 MEDICAL, SURGICAL AND DENTAL INSTRUMENTS (DEVICES AND SUPPLIES)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
A-DEC International	Pietrok, M.T.	BOTH	
A.C.R. Angelini F.S.A.	Strani, G.	IN	
Academic Catalyst Corp.	Kunstadt, L.P.	BOTH	
Adcock-Ingram Ltd.	Van Rooy, J.C.	BOTH	
Allergan Pharmaceuticals	Borrmann, L.	BOTH	Instruments for diagnosis and treatment of eye disease
Alta-Can Telecom, Inc.	Raymont, M.E.	BOTH	
American Home Products Corp.	Berg, E.E.	BOTH	
BOC Group, The	Pearlman, R.T.		Patient monitoring, critical care equipment and catheters
Baxter Healthcare Corp.	Nakamura, N.	IN	Related to kidney failure
Becton Dickinson & Co.	Huguet, G.	IN	Drug delivery, specimen collection, surgical, nursing care, infection control, monitoring, diagnostic, cardiovascular
Block Drug Co., Inc.	Goodman, J.		Dental instruments (devices and supplies)
Bristol-Myers Squibb	Buchanan, R.	BOTH	
Burroughs Wellcome Co.	Burke, M.T.	IN	Diagnostic products, human in vitro
	Namm, D.H.	IN	Diagnostic products, human in vitro
C.R. Bard, Inc.	Nalezienski, J.P.	IN	Vascular surgery interventional radiology devices
Dornier Medical Systems, Inc.	Gerstin, R.	IN	
Dunlop International Technology Ltd.	Robertson-Kellie, A.	OUT	
E.I. DuPont DeNemours & Co., Inc.	Wachinski, C.	IN	Diagnostics
	Weisman, H.S.	IN	Diagnostics
Fisons, PLC	Chawla, B.	IN	Medical devices and contract development
Harvard Medical School	Corey, G.	BOTH	As it relates to cancer
Hausmann/Vifor	Duccini, G.	IN	For use in hospitals and nursing homes
IAF Biochem International, Inc.	Robusto, R.	BOTH	Human diagnostics for bacterial or viral diseases
Indiana Corp. for Science & Technology	Willey, T.F.	OUT	
Italfarmaco SPA	Brochetti, D.G.	BOTH	
KV Pharmaceutical Company	Kirschner, M.I.	BOTH	
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Mallinckrodt Medical, Inc.	Klostermann, R.J.	BOTH	Medical and surgical devices and supplies
Origin Mepsystems, Inc.	Moll, F.H.		
Pfizer Hospital Products Group	Douglas, J.T.	IN	
Radiometer A/S	Rono, K.	BOTH	Clinical chemistry analyzers
Raytheon Company	Bowen, R.F.	OUT	Medical waste, tissue fixation
Research & Resources, Inc.	Westermann, D.H.	OUT	
Sentron Medical	Margules, G.S.	BOTH	Cardiovascular, orthopedic, ophthalmic and neurosurgery
Smith & Nephew Dyonics, Inc.	Walton, R.	IN	Devices for arthroscopic surgery, other bone surgery, orthopedic endoscopy
Sola/Barnes-Hind	Geeting, D.G.	IN	Contact lenses, lens care systems & accessories
Surgitek	Johnson, G.	IN	Devices
Techmet Corporation	Allen, H.E.	IN	
The Kendall Company	Scahill, E.J., Jr.	BOTH	Disposable healthcare products

TECHNOLOGY CATEGORY: 19 ELECTRICAL AND ELECTRONIC EQUIPMENT (TRANSMISSIONS, INDUSTRIAL APPARATUS, HOUSEHOLD APPLIANCES, SECURITY, SAFETY AND WARNING ALARMS PLUS VIDEO AND SOUND REPRODUCTION)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
MRI Ventures, Inc. Nokia Corporation OKI Electric Industry Co., Ltd. Pesa Electronica, S.A. Raytheon Company Sprecher Energie Ltd. Techmet Corporation Thomson Consumer Electronics Translab, Inc.	Muir, R.F. Heinila, T. Hiroo, T. Bueno Gracia, J.F. Bowen, R.F. Thaler, R. Allen, H.E. Steam, J.E. Brenholt, D.L.	BOTH BOTH BOTH OUT OUT BOTH BOTH OUT	Consumer electronics and cables Appliances, lab equipment Transmission, distribution, switchgear Consumer electronics, products

TECHNOLOGY CATEGORY: 20 MECHANICAL MACHINERY AND EQUIPMENT (CONSTRUCTION, MANUFACTURING, AIR CONDITIONING HEAT EXCHANGERS, VENDING AND MACHINE TOOLS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
AB SKF Boeing Company, The Corning Incorporated	Kristiansen, A.P. Hanna, J. Craig, C.R.	 OUT BOTH	Bearings Robot accessories, mfg. of composites, wire processing Weighing/mixing materials, energy recovery, melting and forming glass
Cross & Trecker Corp. ECR Technologies, Inc.	Eifler, R.J. Roberts, J.H., Jr.	BOTH OUT	Machine tools/transfer machines Refrigerant flow controls for heat pumps. A/C refrigeration; direct expansion earth coupled heat pump
Esco Corporation Gencorp, Inc. Illinois Tool Works, Inc. Kobe Steel, Ltd. Loctite Corporation	Gilonan, S. Rote, F.C. Beart, R.W. Tochi, K. Welch, E.K., II	BOTH IN BOTH BOTH	 Equipment for dispensing and curing adhesives, coatings and sealants
Man B&W Diesel Aktiengesellschaft McLanahan Corporation	Hehn, H. McLahahan, M.W.	OUT BOTH	Exhaust gas turbochargers Machinery/equipment used in pit. mine & quarry industries
McPherson's Limited	D'Granel, J.M.	BOTH	Manufacture of pumps, industrial fasteners, cutlery and pressed metal products.
NKK Corporation Nokia Corporation Parker-Hannifin Corporation	Saito, H. Heinila, T. Barker, J.A.	BOTH	Cable machinery Hydraulic, pneumatic and electromechanical motion control; refrigeration
SKF Nova AB UC Industries USG Corporation	Adolfsson, R. Goodlet, C.R. Born, A.	IN OUT	Bearings Specialized machinery Gypsum calcining and wallboard manufacturing and construction; mineral fiber ceiling tile manufacture and construction

TECHNOLOGY CATEGORY: 21 TRANSPORTATION AND LIFTING EQUIPMENT (MOTOR VEHICLES, AIRCRAFT AND SPACE, RAILROADS, SHIPS, HOISTS AND CONVEYORS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Automotive Products PLC Boeing Company, The Brunswick-Technetics Corning Incorporated Dunlop International Technology Ltd. Kito Corporation Man B&W Diesel Aktiengesellschaft SKF Nova AB Translab, Inc.	Scholfield, I.M. Hanna, J. Greif, A. Craig, C.R. Robertson-Kellie, A. Ohno, M. Hehn, H. Adolfsson, R. Brenholt, D.L.	BOTH OUT BOTH OUT BOTH OUT IN OUT	Motor vehicle components; clutch brake Airplane ground support equipment, aerospace components Metal and ceramic seals for turbine engines Lightweight structural materials, thermal insulation, displays Material handling, factory automation, hoists and link chain Marine diesel engines 500-50,000BHP, propulsion systems General aviation products (mechanical & electric)

TECHNOLOGY CATEGORY: 15 PACKAGING, GRAPHICS AND PRINTING

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Alcan Aluminum Limited	Mandeville, M.	BOTH	Micro-match technology
Clorox Company, The	Westbrook, S.M.	BOTH	Bottles, film and paperboard
Continental Can Company	Hepp, W.R.	OUT	Metal, plastic container manufacturing, metal, plastic closure manufacturing for packaging
DRG Plastics	Lloyd, M.W.	BOTH	Rigid plastic packaging; polyolefins
Dow Brands	Price, S.J.	IN	Controlled atmosphere, extended shelf life
Eastman Chemical Company	McDaniel, E.L., Jr.	IN	Rigid packaging and aqueous inks
Gencorp, Inc.	Rote, F.C.	IN	
Gillette Company, The	Gale, W.S.	IN	Biodegradable
Hausman/Vifor	Duccini, G.	BOTH	For infusion solutions, pharmaceuticals, plastic materials
Hercules Incorporated	Wagner, R.L.	BOTH	Polyolefin packaging film, controlled atmosphere packaging
	Walsh, R.M.	BOTH	Polyolefin packaging film, controlled atmosphere packaging
Illinois Tool Works, Inc.	Beart, R.W.		
Kraft General Foods	Staackmann, J.W.	IN	Easy open/degradable
Laff, Whitesel, Conte & Saret	Whitesel, J.W.		
MRI Ventures, Inc.	Muir, R.F.	BOTH	
MacMillan Bioedel Research	Rowley, C.A.	BOTH	Corrugated paperboard
NZFP Technology Ltd.	Weaver, E.R.	BOTH	Packaging using pulp and paper materials
Raytheon Company	Bowen, R.F.	OUT	Microwave susceptor
Repap Technologies, Inc.	Klein, W.R.	IN	Print surface modification
Sanford De Mexico SA DE CV	Santoyo, E.M.		
Stratecon	Beck, C.I.	BOTH	Packaging for foods and microwave

TECHNOLOGY CATEGORY: 16 SOAPS, DETERGENTS, COSMETICS AND TOILETRIES

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Atkinson, Ltd.	Atkinson, G.K.	OUT	Cationic surfactants for detergents
Autochem North America	Niazy, S.	BOTH	Laundry detergents, sours, softeners, etc.
Clorox Company, The	Westbrook, S.M.	BOTH	
Dow Brands	Price, S.J.	IN	Coatings, fabric care and skin care
Ecolar, Inc.	Ossanna, O.A.	IN	Including sanitizers, disinfectants and odor control
F.H. Faulding & Co., Ltd.	Dundon, J.	BOTH	Toiletries, soaps and hygiene products
Gillette Company, The	Gale, W.S.	BOTH	Shaving preparations, hair care, skin care, oral health care, deodorants and antiperspirants
Henkel Corporation	Harrison, J.W.	OUT	Industrial usage
Kobayashi Kose Co., Ltd.	Emori, I.	BOTH	
Sandoz Chemicals Corporation	Rosenfeld, M.		
Sandys Overseas, Lt.	Flisi, F.L.	OUT	
Shiseido Co., Ltd.	Mori, R.	IN	Anti-aging, hair growth and skin-whitener agents
Technology Catalysts, Inc.	Dicicco, R.L.	BOTH	Cosmeceuticals
Whitehill Oral Technologies, Inc.	Brown, D.G.	OUT	Oral health products; mouth rinse, etc.

TECHNOLOGY CATEGORY: 17 PAINTS, VARNISHES, COATING AND ADHESIVES

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
A.C.R. Angelini F.S.A.	Strani, G.	BOTH	
Atkinson, Ltd.	Atkinson, G.K.	OUT	Surfactants - pigment dispersion technology
Autochem North America	Niazy, S.	BOTH	Prepaint phosphate coatings
Borden, Inc.	McSweeney, P.E.	IN	
Cardolite Corporation	Stonis, A.M.	IN	Resins and additives
Dow Chemical Company, The	Manfroy, W.	BOTH	
E.I. DuPont DeNemours & Co., Inc.	Coburn, M.M.	IN	Automotive applications
Eastman Chemical Company	McDaniel, E.L., Jr.	IN	Powder coatings
Ferro Corp.	Purcell, T.O.		
Gencorp, Inc.	Rote, F.C.	IN	Liquids, gel coats and powder coatings
Glidden Company, The	McConnell, P.	BOTH	
Illinois Tool Works, Inc.	Beart, R.W.		
Kaman Sciences Corp.	Cornwell, I.	OUT	Only ceramic coatings on metals including aluminum
Loctite Corporation	Welch, E.K., II	BOTH	Adhesives, coatings and sealants
Mitek, Inc.	Parker, J.R.	OUT	Encapsulation technology, polymeric encapsulation process (PEP)
Petrolite Corporation	Mange, F.E.	IN	Additives for varnishes, coatings and adhesives
Red Spot Paint & Varnish Co., Inc.	Williams, B.J.	BOTH	Coatings for plastics (specialty coatings); UV curable; EMI/RFI shielding
Reichhold Chemicals	Weghorst, R.	BOTH	
Repap Technologies, Inc.	Klein, W.R.	BOTH	Phenolic and furan based adhesives and coatings

TECHNOLOGY CATEGORY: 13 AGRICULTURAL CHEMICALS (FERTILIZERS AND PESTICIDES)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Celgene Corp.	Fithian, L.E.		
Ciba-Geigy	Prisender, E.		
Dowelanco	Paul, J.T.	BOTH	Organic and bio pesticides
E.I.DuPont DeNemours & Co., Inc.	Leitch, R.E.	BOTH	Crop protection technology
FMC Corporation, Agrichemical Group	Volpp, G.P.	IN	Pesticides only
Hydro Fertilizers Limited	Anthony, Mrs. S.K.		
ICI Agrochemicals	Dubock, A.C.	BOTH	Pesticides and formulation technology
Liphatech, Inc.	Nethery, A.A.	IN	
M.W. Kellogg Company, The	Peterson, J.L.	BOTH	Ammonia, urea and mixed fertilizers
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Merck & Co., Inc.	Barringer, G.	BOTH	
Mobay Corporation	Carlo, W.C.	IN	
Monsanto Agricultural Company	Zschoche, W.C.	IN	Herbicides and fungicides
NOR-AM Chemical Company	Surles, W.W.	BOTH	Pesticides
Rhone Poulenc	Flichy, L.		
Rohm & Haas Japan K.K.	Suzuki, K.	BOTH	
Rohne-Poulenc AG Company	Zigas, R.P.	IN	Pesticides only, herbicides
Shell International Petroleum Company, Ltd.	Buller, R.F.	BOTH	
Taki Chemical Co., Ltd.	Tukamoto, J.	BOTH	

TECHNOLOGY CATEGORY: 14 DRUGS (HUMAN AND ANIMAL MEDICINAL PRODUCTS)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
A.C.R. Angeline F.S.A.	Strani, G.	BOTH	
Alza Corporation	Magruder, P.R.	BOTH	Controlled-release drug delivery technology
Abbott Laboratories	Barnes, F.M.	BOTH	
	Crovetti, A.J.	IN	Antibiotics, fermentation products, aquaculture drugs
	Johansson, A.	BOTH	
	Shaw, D.	BOTH	
	Vlazny, J.C.	BOTH	
Academic Catalyst Corp.	Kunstadt, L.P.	BOTH	
Adcock-Ingram Ltd.	Van Rooy, J.C.	BOTH	
Adria Laboratories	Bowman, M.F.	BOTH	Oncology and related products
Alcon Laboratories	Adamski, R.		Drug (human and animal medicinal products)
Allergan Pharmaceuticals	Borrmann, L.	BOTH	Drugs to treat eye disease
Allergan, Inc.	Ridley, P.T.	BOTH	
American Home Products Corp.	Berg, E.E.	BOTH	
Biotek, Inc.	Nuwayser, E.S.	BOTH	Controlled-release drug delivery
Baxter Healthcare Corp.	Nakamura, N.		Related to kidney failure
Block Drug Co., Inc.	Goodman, J.	BOTH	Human
Boehringer Ingelheim Pharmaceuticals, Inc.	Lackstrom, W.		Human and veterinary ethical, human OTC pharmaceuticals
	Oliver, J.		Human and veterinary ethical, human OTC pharmaceuticals
Bristol-Myers Squibb	Lee, M.L.	BOTH	
	Wright, C.J.	IN	
	Buchanan, R.	BOTH	Human, cardiovascular, cancer, CNS, anti-infectives, dermatologicals and metabolic
Burroughs Wellcome Co.	Burke, M.T.	BOTH	Human, antiviral, oncology, cardiology, CNS, allergy, immunology, RX and OTC
	Namm, D.H.	BOTH	Human, antiviral, oncology, cardiology, CNS, allergy, immunology, RX and OTC
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Vitamins, antibiotics production technologies
Celgene Corp.	Fithian, L.E.		
Chemgen Corp.	Helmes, E.B.	BOTH	Drug intermediates; active ingredients; chiral compounds
Ciba-Geigy	Cohen, M.	BOTH	Human
	Coppens, H.	BOTH	Human medicinal products
	Prisender, E.	OUT	
Cygnus Research Corporation	Hooper, G.R.	BOTH	Drug delivery
Dako Corporation	Brooks, S.	BOTH	OTC products
Delalande, S.A.	Huguet, G.	BOTH	Only human products
Duphar, B.V.	Jansen, H.	IN	
E.I. DuPont DeNemours & Co., Inc.	Wachinski, C.	IN	
	Weisman, H.S.	IN	
F.H. Faulding & Co., Inc.	Dundon, J.	BOTH	Human, modified-release oral products
Farmitalia Carlo Erba	Foglio, M.	IN	
Farmos Group Ltd.	Wakonen, J.	IN	Anti-cancer, anti-inflammatory, CNS and GI
Fisons, PLC	Chawla, B.	BOTH	Drug delivery technology

TECHNOLOGY CATEGORY: 09 METALS (SMELTING, REFINING AND STEEL MAKING)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Gillette Company, The	Gale, W.S.	IN	Razors and razor blades
Kobe Steel, Ltd.	Tochi, K.	BOTH	
M.H.O.	Lancel, G.	BOTH	
NKK Corporation	Saito, H.	BOTH	
SKF Nova AB	Adolfsson, R.	IN	
Shell Inter. Research Maatschappij B.V.	Vanzutphen, J.A.	BOTH	
Tosoh Corporation	Stockel, R.F.	BOTH	Ultra high purity metals, metal oxides

TECHNOLOGY CATEGORY: 10 MINING AND EXTRACTIONS (MINERALS, METALS, COAL, GAS AND OIL)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Arco Oil and Gas Company	Bradley, W.S.	BOTH	Gas and oil exploration/production technology
Amoco, Inc.	Heckler, A.J.		Oil well drilling equipment and ore grinding media and process controls for grinding mills & flotation columns
Atkinson, Ltd.	Atkinson, G.K.	OUT	Surfactants - enhanced oil recovery, etc.
BHP Co., Ltd.	Walker, J.H.	BOTH	
BP Ventures	Smith, D.	BOTH	
Babcock Contractors, Ltd.	Gosden, D.V.	BOTH	Extraction of metals and minerals, chloride metallurgy, processing of coal, gas and oil
Foseco PLC	James, A.M.	IN	Strata control materials into coal. Metal & mineral mining
Shell Inter. Research Maatschappij B.V.	Van Zutphen, J.A.	BOTH	
Shell Oil Company	Altman, D.	BOTH	Gas and oil, coal
Statoil	Lorentzen, G.B.	BOTH	
Texaco Development Corporation	Kulason, R.A.	BOTH	Oil and gas exploration and production technology
USG Corporation	Born, A.	BOTH	Benefication of calcium and magnesium minerals and phosphate ores

TECHNOLOGY CATEGORY: 11 INDUSTRIAL INORGANIC CHEMICAL PRODUCTS AND PROCESSING

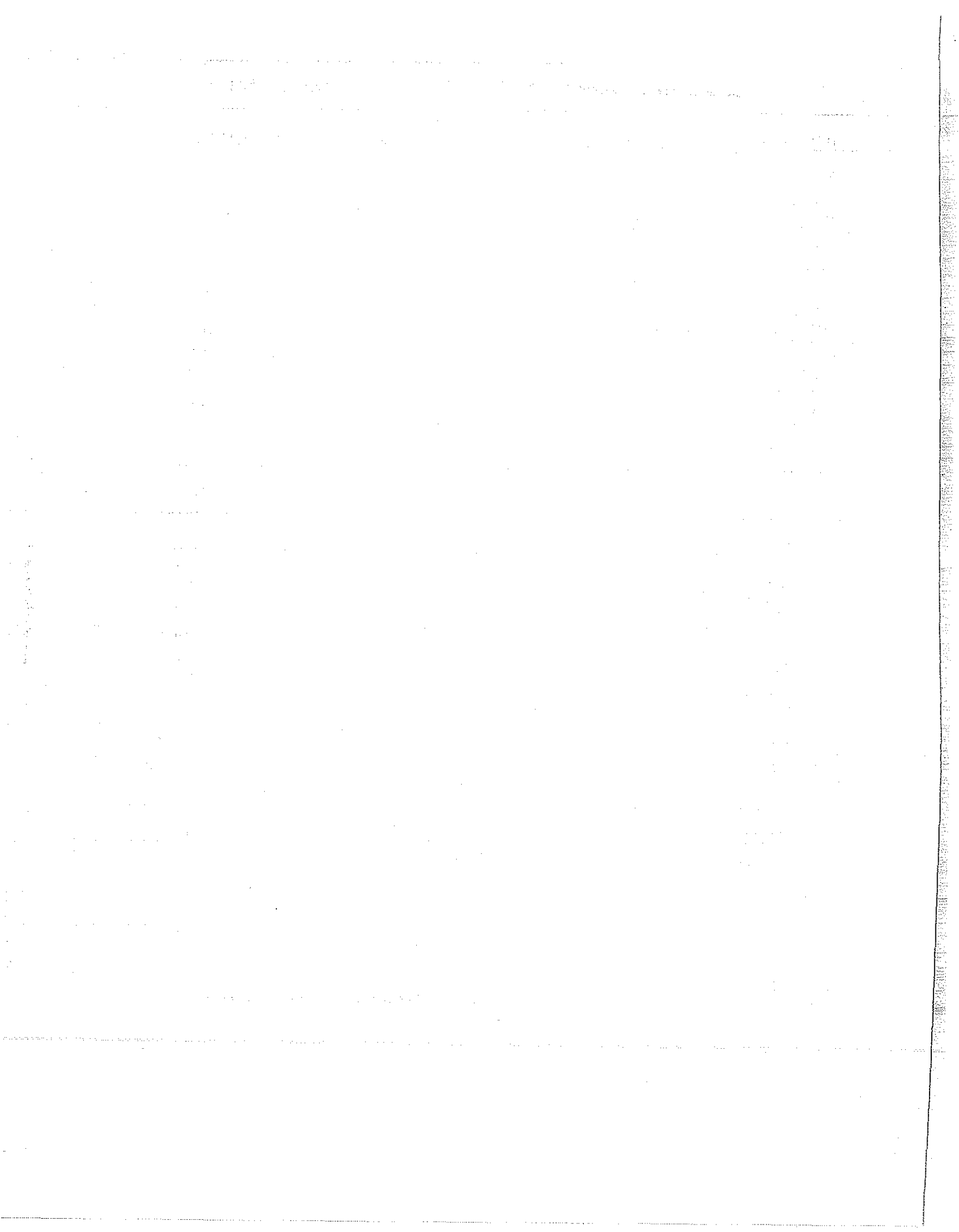
COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Air Products & Chemicals, Inc.	Brenner, M.S.	IN	Industrial & specialty gas applications and production
Autochem North America	Wagner, L.A.	BOTH	
BOC Group, The	Pearlman, R.T.		Industrial gases, rare and special gases
Babcock Contractors Ltd.	Gosden, D.V.	BOTH	General inorganic chemicals production and processing
Boeing Company, The	Hanna, J.	OUT	Metal cleaning, plating and anodizing processes and controls
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Production technologies
Catalyst Resources, Inc.	Smith, P.D.	BOTH	Air sensitive materials
Chisso Engineering Co., Ltd.	Tanaka, M.		
Clorox Company, Inc.	Westbrook, S.M.	BOTH	Aqueous oxidation chemistry, aqueous suspending agents and aqueous thickening
Dow Chemical Company, Inc.	Manfroy, W.	BOTH	
Foseco PLC	James, A.M.	IN	Inorganic binders & fibres
Henkel Corporation	Harrison, J.W.	OUT	Metal, prepaint treatments, plastics
IMI Institute for Research & Development	Raz, I.	OUT	Acids and salts, preparation and purification by solvent extraction
L'Air Liquide	Carbonell, E.	BOTH	Medical gases
M.W. Kellogg Company, The	Peterson, J.L.	BOTH	General commodity processes
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Nokia Corporation	Heinila, T.		Chemicals for wood processing industry
Rhone Poulenc	Flichy, L.	OUT	Phosphoric acid production/nitric acid diluted and concentrated
Tosoh Corporation	Stockel, R.F.		Polymer additives, fillers, ceramics especially for O2, S3NJ, BN
Taki Chemical Co., Ltd.	Tukamoto, J.	BOTH	
USG Corporation	Born, A.	BOTH	Gypsum production and processes

TECHNOLOGY CATEGORY: 04 PULP AND PAPER, WOOD PRODUCTS AND LUMBER

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
A.C.R. Angelini F.S.A.	Strani, G.	BOTH	
Dow Chemical Company, The	Manfroy, W.	IN	
Dunlop International Technology Ltd.	Robertson-Kellie, A.	OUT	
Gencorp, Inc.	Rote, F.C.	IN	
MacMillan Bloedel Research	Rowley, C.A.	BOTH	
NZFP Technology Ltd.	Weaver, E.R.	BOTH	Pulping & bleaching processes
Repap Technologies, Inc.	Klein, W.R.	BOTH	Novel chemical pulping & papermaking processes
USG Corporation	Born, A.	OUT	Gypsum wallboard liner paper
Westvaco	Mulligan, D.	BOTH	Papermaking, pulping & paperboard
Weyerhaeuser Company	Taylor, C.	BOTH	Pulp, paper, wood products & lumber

TECHNOLOGY CATEGORY: 05 PLASTICS (RESINS, PROCESSES AND EQUIPMENT)

COMPANY NAME	COMPANY CONTACT	LICENSE INTEREST	SPECIFIC AREA OF INTEREST
Allied-Signal, Inc.	Segal, L.	BOTH	
Arco Chemical Company	Braunstein, D.M.	BOTH	Polyurethane & polystyrenics (foams & plastics)
	Linden, R.H.	BOTH	Polyurethane & polystyrenics (foams & plastics)
Autochem North America	Wagner, L.A.	BOTH	
BP Ventures	Smith, D.	BOTH	
Boeing Company, The	Hanna, J.	OUT	Composites, high temperature resins
Borden, Inc.	McSweeney, P.E.	IN	
Chicopee (A Johnson & Johnson Affiliate)	Whitaker, H.L. Jr.	BOTH	Films
CTIP Compagnia Tecnica Inter. Progetti	Sartori, M.		Production technologies
Cardolite Corporation	Stonis, A.M.	IN	Phenolics and epoxies
Catalyst Resources, Inc.	Smith, P.D.	BOTH	Transition metal catalysts for olefin polymerization
Chemtex International	Harker, G.H.		
	McGannon, T.H.		
	Rangra, V.		
	Shah, S.I.		
Clorox Company, The	Westbrook, S.M.	BOTH	Related to packaging
Dow Chemical Company, The	Manfroy, W.	BOTH	
	Wintermyer, R.L.	BOTH	
E.I. DuPont De Nemours & Co., Inc.	Coburn, M.M.	IN	Engineering resins for automotive
	Leung, P.S.	OUT	Polyester films & plastic resins productions
Eastman Chemical Company	McDaniel, E.L., Jr.	IN	Polyesters, polyolefins, cellulose & blends
Ferro Corp.	Purcell, T.O.		Filled/reinforced & engineering alloys
Fina Technology, Inc.	Davis, S.	OUT	Polystyrene, polypropylene, SBS rubber; manufacturing process
Gencorp, Inc.	Rote, F.C.	BOTH	
Hercules Incorporated	Wagner, R.L.	BOTH	Liquid molding resins, composites, advanced materials
	Walsh, R.M.	BOTH	Liquid molding resins, composites, advanced materials
Jotun Polymer S.A.	Brevig, C.		Thermosetting and pigmented
Loctite Corporation	Welch, E.K., II	BOTH	Curable plastics for coating film and sealant applications
Lummus Technology Division	Casamayou, J.M.	BOTH	
M.W. Kellogg Company, The	Peterson, J.L.	IN	Polymer processes
MRI Ventures, Inc.	Muir, R.F.	BOTH	
Mobil Oil Corporation	Howard, D.J.	BOTH	
Petrolite Corporation	Mange, F.E.	IN	Plastic additives
Reichhold Chemicals	Weghorst, R.	BOTH	
Rhone Poulenc	Flichy, L.	BOTH	Nylon 66 polycondensation & production of chips & Nylon 66 engineering plastics
Rohm & Haas Japan K.K.	Suzuki, K.	BOTH	
Sanford De Mexico SA De CV	Santoyo, E.M.		
Schock & Co. GMBH	Marx, R.		Filled Acrylic reaction casting processes and molds
Shell International Petroleum Company Ltd.	Buller, R.F.	BOTH	
Shell Oil Company	Altman, D.	BOTH	Epoxy resins, elastomers, polypropylene, polybutylene
Smith & Nephew PLC	Horlington, M.	BOTH	Medical hydrogels, emulsion adhesives, hot melt and radiation processing, latex
Statoil	Lorentzen, G.B.	BOTH	
Tosoh Corporation	Stockel, R.F.	BOTH	Polyblends, polymer processing, eng. polymers
Technology Catalysts, Inc.	Dicicco, R.L.	BOTH	Blends, alloys and compatibilizers
UC Industries, Inc.	Goodlet, C.R.	BOTH	



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INTERNATIONAL TECHNOLOGY DIRECTORY

LETTER OF INTRODUCTION

Dear LES Member:

This Seventh Edition of the International Technology Directory (ITD) is for your use in locating members who represent technology sources and technology outlets. Contact information is purposely omitted from the ITD as it is designed to be used in conjunction with the Membership Directory, both sent only to LES members worldwide thanks to the support of LES USA/Canada and LES International. The ITD Committee would be very interested in your reaction to the publication and its usefulness and your thoughts for improvements to the next edition, scheduled for 1992. All members will be contacted for changes or additions to their listing at that time.

Every effort was made to include as many responses as possible. Although the official cutoff date was March 15, we were able to include all responses which reached us by April 1. We do appreciate the efforts of those who are listed to take the time and trouble to remit duplicate payments for those lost due to circumstances beyond our control. There were still several responses which reached us after the final deadline and we are sorry we could not include these. Several questionnaires were returned without information other than company name. Due to the large number of responses, time deadlines, and our budget, we were unable to chase down these people for further information. We hope you will understand. Since the ITD is not designed to be a legal directory, we have edited those responses listing only routine legal services. We have taken all reasonable steps to assure the accuracy of information in the ITD but make no guarantee against errors as several questionnaires were illegible. Finally, it is the responsibility of each member who requested a listing to comply with the legal and ethical standards that apply to each of them.

The Committee hopes that you find the ITD of value and that you will let us know how we can make the next edition even more valuable to you.

T. O. Purcell, Editor

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