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CANADA
IN THE WORLD
OF ELECTRONICS



This booklet, the third edition published by the Canadian Department of Industry, Trade and Commerce, is your ready reference to more than 200 Canadian electronics companies experienced in serving world markets with quality products and services. We know that you will find it of continuing value.

Listings of electronic equipment and systems, components, consumer products and consultant companies include addresses, products and services. A product index shows you exactly where to look for your particular requirements. The booklet also outlines briefly the story of electronics in Canada — its success and growth.

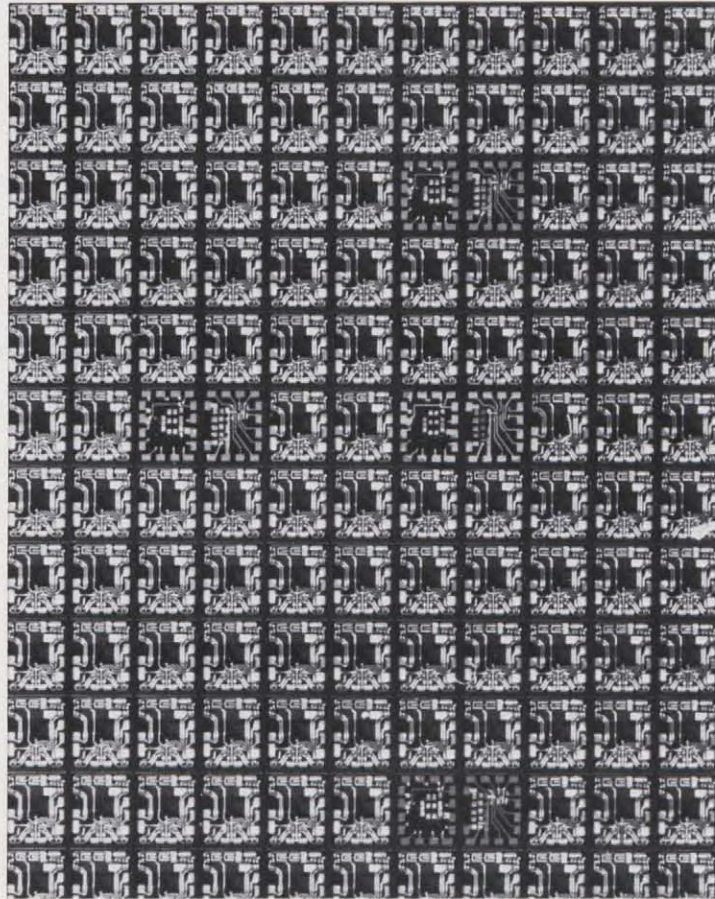
Keep your copy in a handy place and it will serve you well.

Illustrated on the cover is an artist's conception of the Canadian-designed Communications Technology Satellite (CTS) scheduled for launch in 1975. In a geostationary orbit at 22,000 miles (35,400 kilometres) over the equator, it will be used for experiments in satellite design and components, ground station technology and the social and economic implications of communication satellite systems.

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CANADA IN THE WORLD OF ELECTRONICS



*Canada. Dept. of Industry, Trade
& Commerce.*

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record of achievement

On August 10, 1876, Alexander Graham Bell successfully completed the world's first long distance telephone call in the Canadian province of Ontario and Canada was well launched into the world of electronics. From this and other early beginnings, Canadians have never looked back.

As the nation spans 5,200 kilometres (3,220 miles), communications have always presented a tremendous challenge to Canadian engineers and scientists. The skills developed in mastering a wide range of geographical and environmental conditions have resulted in Canada becoming one of the foremost nations in the fields of engineering, science and technology.

Already active in the scientific satellite field, Canada plans to operate the world's largest and first domestic sat-

ellite system in 1972 with the launching of the Canadian communications satellite Anik I. From a synchronous orbit some 36,000 kilometres (22,300 miles) above the equator, Anik I will be in direct contact with more than 35 earth stations located across Canada and from the southern border to the far north. These stations will augment and extend the existing and extensive microwave system and link the entire country, providing telephone, television and data transmission facilities to the most remote areas.

In the field of metrology, accuracy of length is assuming increasing importance in modern technology. The linear capacity system, a new method of measuring length, has recently been developed in Canada. Length measurements, accurate to better than 1 part in 10^6 , can be taken in less than a

second and are unaffected by fluctuations in supply voltage, humidity, pressure and ambient temperature. The instrument has many applications in the fields of photogrammetry, astronomy, spectroscopy, atomic research and in the machine industry.

These are just a few of the many new and exciting developments now taking place in Canadian electronics. Listed in this publication are a large number of Canadian companies which have contributed to the dynamic growth of Canada's electronics industry with sales estimated at more than \$1,600,000,000 annually. Their products range from small monolithic integrated circuit chips to large complex telecommunications, computer and data transmission equipment and systems.

communications



Canada's vast communications system includes integrated satellite and microwave networks which, when complete, will cover the entire nation. Shown are a satellite ground relay station and a microwave tower.

ground

Communications represents one of the foremost Canadian electronic capabilities. Skills in this field grew from the need to provide a network for broadcast, message and television transmission across the 5,200-kilometre (3,220-mile) expanse of Canada. Today a 27,000-kilometre (17,000-mile) broadband microwave system spans the country through six time zones with spur links to serve the growing requirements of Canada's northland.

The experience gained in the design and installation of Canada's vast transcontinental microwave relay system has been used in the development and installation of similar high performance systems for 20 countries around the world.

A recent Canadian development in microwave is a CCITT compatible heavy route multiplex system having dual low and high density capability. The use of a unique modulation technique eliminates the usual individual transmit and receive units. All channel units are identical. This results in a major reduction in size of spares inventory, costs and maintenance time. With the low density package, it is practical for users to have one multiplex system with as few as eight

channels at several locations, yet with a major installation of up to 1,260 channels at a central toll office.

An innovation in the field of PCM microwave technology is a Canadian system with an integrated multiplex/radio combination designed to serve voice and data communications digitally.

Canadian companies have recently developed VLF, medium and HF communications transmitters which are completely solid-state. These units are finding increasing acceptance in world markets by providing high performance and reliability with virtually trouble-free operation.

To relieve the overcrowded radio spectrum, Canada is leading the way in the use of coaxial cable systems for communications purposes. A long haul digital coaxial underground cable system is being designed. It will extend 565 kilometres (350 miles) by 1976 and will be expanded to 965 kilometres (600 miles) by 1980. For toll-quality voice transmission, the system will use eight-bit PCM while master-group codec will be used to permit transmission of 600 channel master-group signals. TV codec will process video signals for transmission and three levels of digital multiplexers

will combine several low rate digital bit streams into one high speed digital bit stream. Video telephone codec is to be added at a later date.

Today, more than five million people receive their television signals via cable in Canada, a leader in the cable television industry since its inception. Canadian cable companies are also involved in the design, installation and operation of cable systems in Europe and the United States. A single cable used in CATV (community antenna television) distribution has a bandwidth capable of carrying four times as many TV signals as can be received over-the-air in the VHF spectrum. Existing television sets are used for multi-channel reception through installation of converters in the home units.

Since cable systems have an inherent two-way capability, the technology already exists for such applications as residential electricity, gas, water and home heating oil meter reading; information retrieval; airline, sporting event and theatre ticket reservation sales; and teleshopping with comparative purchasing data. In Canada, cable television is already used extensively and effectively in education and training.

space

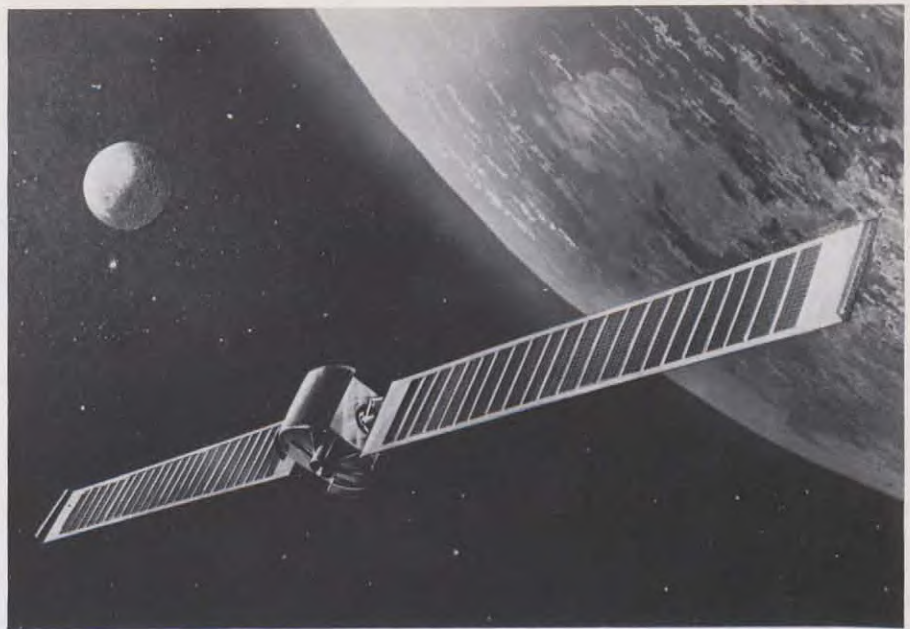
Canada's contributions and achievements in the scientific satellite field are internationally known. Through the Alouette and ISIS scientific satellite programs valuable experience has been gained enabling the country's scientific community to undertake the Communications Technology Satellite (CTS) which is to be launched in 1975. Part of a joint project with NASA and ESRO, the CTS is a high powered, synchronous orbit satellite with an operation life expectancy of two years minimum. A special feature of the Canadian-built satellite is a flexible solar cell array which will be extended on command once the satellite is on-station and three-axis stabilized. The array consists of two sails, each approximately six metres (20 feet) by 1.3 metres (50 inches). A number of scientific experiments are to be carried out over the two-year period.

The new Intelsat IV global communications satellite, now in position over the Pacific Ocean, has a Canadian-designed and built repeater system on board.

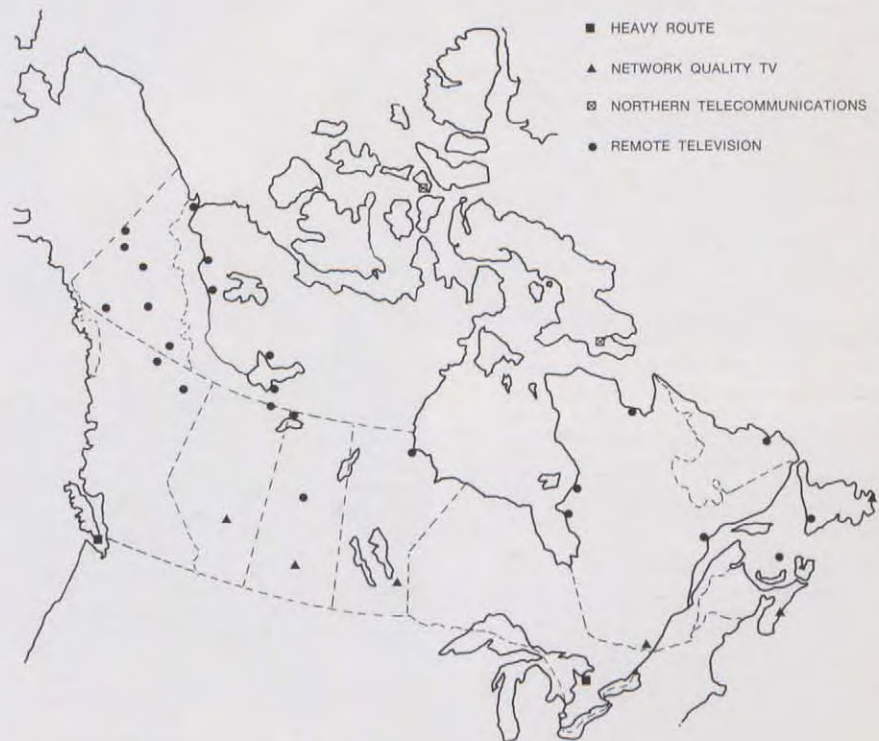
Scientific communities throughout the world are focusing more of their attention on the field of radio astronomy to satisfy mankind's insatiable curiosity to find out what there is in space. While Canada's large 45-metre (150-foot) radio telescope at Lake Traverse, Ontario, has already been in operation several years, work has been going on in many other areas.

A radio telescope antenna of high accuracy has recently been completed for installation in Western Canada. The system is a Cassegrain reflector design with the main reflector having a diameter of 4.5 metres (15 feet). Both the main and subreflectors have extremely high contour accuracy since the system is intended for use at frequencies as high as 150 GHz. The radio telescope is equipped with an optical telescope with special attachments for closed circuit television to provide visual reference to the point in the sky being scanned by the radio telescope. One of the system's first applications will be to look for organic molecules in inter-stellar space.

With the launching of Anik I in late 1972, Canada begins operation of the world's largest domestic satellite system. Each satellite has facilities for relaying 10 colour television channels of up to 9,600 telephone circuits and an anticipated life of seven years. All analysis and command data for establishing the initial positioning and maintaining it will be carried out in the Satellite Control Centre in Ottawa, the nation's capital. The actual tracking, transmission and reception of data will be accomplished at the main earth station located at Allan Park, Ontario.



Canadian-designed and developed communications technology satellite will carry out high-frequency experiments to gain information for future space communications.



Map of Canada shows locations of all ground relay stations for the Canadian domestic satellite communications network — the world's first.

The satellite will be positioned in synchronous orbit 36,000 kilometres (22,300 miles) above the equator and will be maintained within ± 64 kilometres (40 miles) of the assigned locations. Combined with the ground stations located throughout Canada,

it will provide a communications system covering approximately 10 million square kilometres of Canadian territory, supplementing and extending the existing TV, radio and communications networks.

industrial and commercial electronics

As Canada has become increasingly industrialized, it has also become more and more dependent on the electronics industry to provide some of the sinews for its industrial growth. Electronics production equipment and industrial controls, designed and produced by Canadians, are being used in a growing number of industries not only in Canada but in many nations around the world.

An example of Canadian expertise is the Transversely Excited Atmospheric (TEA) gas laser, widely regarded as having the greatest potential as a versatile industrial tool of any laser. It is relatively simple, low in cost and comparatively safe. Knowledgeable forecasters predict its use in such applications as industrial materials processing, information processing, engineering construction and environmental pollution detection and measurement. Other potential applications include metal cutting, mine drilling and thermonuclear power experiments.

Air traffic densities, generated by the tremendous growth in domestic and international air travel, are placing increasing demands on communications, navigation and landing systems, and air traffic control personnel. A new generation of solid-state VOR transmitters has been developed in Canada. A parallel development has been the design of a Doppler VOR (DVOR) system for use in unfavourable terrains which are liable to introduce azimuth errors. Already under development is a Precision Doppler VOR which will provide even greater accuracy.

In the field of industrial controls, Canadians are making increased use of digital computers along with developing a wide range of compatible hardware including more accurate sensors with higher reliability, wider ranges and faster response times. Specialized dedicated systems requiring unique software constitute a Canadian strength.

Nuclear magnetic resonance is one of the latest flow measuring techniques being used in Canadian industry. Usable with any liquid, it involves the combination of an RF field with a magnetic field to cause precession of nuclei that are magnetically polarized, such as hydrogen.

A recent development in Canadian controllers is the programmable device. Functions can be modified by changing programs and rewiring or replacing memories. Multiplexing techniques are also finding increased use in Canadian industrial control systems where multi-point measurements are required.

Display units including CRT for industrial control systems are becoming more sophisticated performing a wide range of functions on push-button



Canadian National Research Council's giant radio telescope at Lake Traverse, Algonquin Provincial Park, Ontario, has a 150-foot (45-metre) diameter parabolic reflector.

command such as digital display of variables and graphical displays showing trends in process-variable levels with selection scales and time periods. Digital display media such as light emitting diodes, liquid-crystal technology and plasma display panels are also developing rapidly.

In Canada, many electronic equipment manufacturers are turning to computerized automatic test systems. Most systems use a mini-computer with in-house developed logic circuitry and software. Complex tests are carried

out automatically in seconds with a print out of type and location of any faults.

Canada is also moving rapidly into the field of postal mechanization. In the nation's capital, a \$4.5 million automatic postal handling system is currently being installed in the main post office. The complete system includes indexation desks, presort channels and output stackers, index-reading letter sorting machines and a computer with a 64K memory and digital interface.

biomedical electronics

Canadian firms are producing a wide variety of biomedical electronic equipment including scintillation counters for use in nuclear medicine, cardiac monitors, EKG and EEG units, special miniaturized implantation units and hospital and home use dialysis machines.

The University of Toronto's Institute of Biomedical Electronics and Engineering is Canada's oldest established and one of the most prolific academic groups in the field today. Among the many instruments under development are a blood flow meter that measures flow using the Faraday effect without cutting into the arteries and a vector

or three-dimensional cardiogram for use with children.

Toronto's Hospital for Sick Children, with a world-wide reputation as an innovator in the treatment of children's disease and ailments, has developed a sophisticated, safe, self-testing patient monitoring system consisting of nine basic modules. Electromagnetic coupling is used exclusively to ensure effective patient isolation.

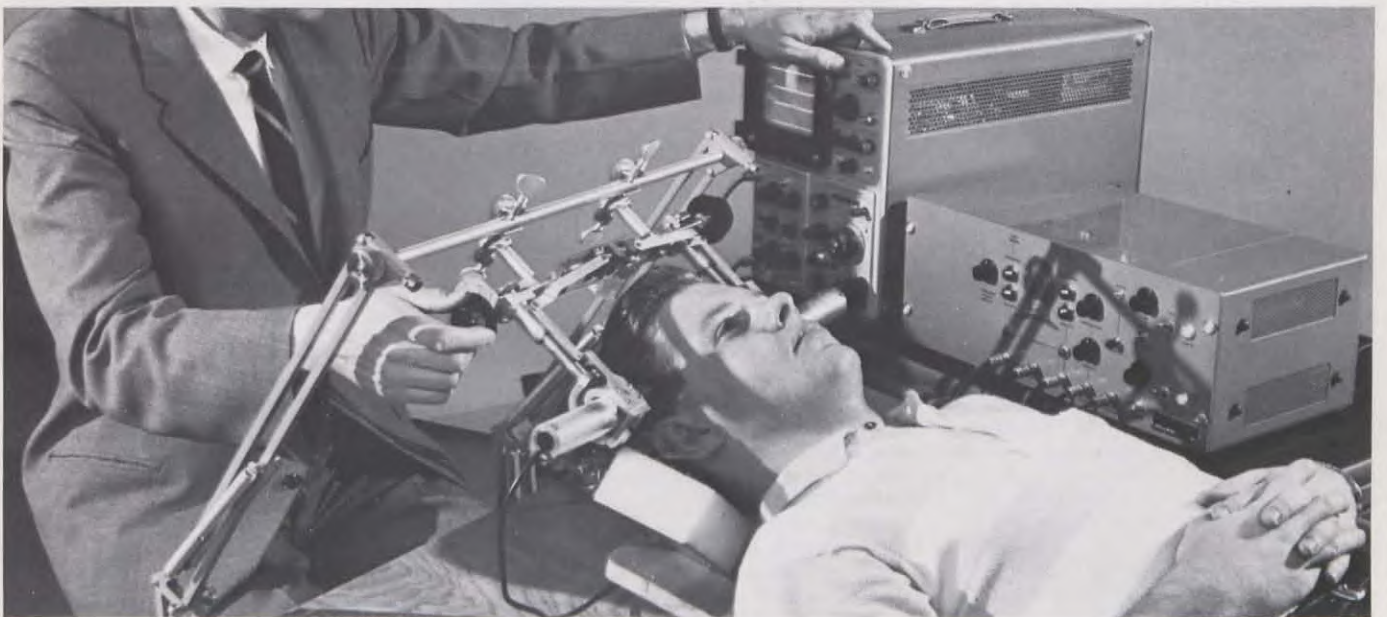
With the development of solid-state microminiaturization techniques, complete telemetry systems have been designed for use in intensive care units for critically ill patients. These indi-

vidual bedside monitors can be connected into the central station monitoring system of the hospital.

Canadian hospitals are now using computers along with other electronic instrumentation to provide a high degree of automation to the gathering and handling of patient data. A typical system consists of a variety of analog conditions for physiological transducers, reporting patient data to a multiplexed analog-to-digital converter. Patient data may then be connected to CRT displays, paper or magnetic tape recorders, and alarm systems.



Procedure and resuscitation table maintains an infant's body temperature and permits easy access to the child during a blood transfusion.



Developed by the National Research Council of Canada, this alignment device permits new and more accurate techniques for diagnosing certain brain disorders through the use of ultrasonics.

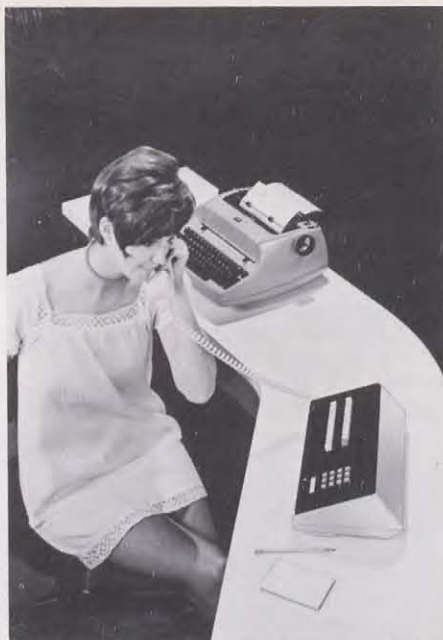
telephones and data transmission

Canada has the world's sixth largest telephone population with almost one telephone for every two persons. There are 45.2 telephones for every 100 persons or more than 10 million telephones in Canada and Canadians are among the world's greatest telephone users.

Stored program telephone exchanges have been developed in Canada using electronic switching that will handle 20,000 lines and up to 36,000 calls an hour. These are specifically designed for medium-sized communities. In addition to providing a wider range of services such as conference calling and automatic dialling, the equipment takes up less space, operates faster and costs about the same as present systems.

For smaller communities, electronic stored programmed telephone switching systems have been developed, suitable for installation in central offices with up to 2,400 lines. The programmed computer control uses the latest in MSI and LSI devices.

To meet the increased demand for data transmission, multi-channel data terminals (multi-channel telegraph equipment) have been developed. Voice frequency channel telegraph equipment has also been developed which meets CCITT standards. Units are small, compact and available for a variety of operating conditions and environments.



Canadian-developed electronic private automatic branch exchange (PABX) uses pulse amplitude modulation method of time-division multiplexing and has solid-state reliability and complete flexibility of services in the up-to-80 line class.

Automatic diallers for Telex circuits—either single or multi-number—are being used to save time in transmitting messages to frequently called numbers. The Canadian electronics



Newly developed telephone headset, weighing less than a ballpoint pen, features full-time background noise cancellation and replaces bulky headband sets in telephone, air traffic control and many other applications.

industry is also using more sophisticated techniques in the development of time division multiplex equipment and systems.

geophysical survey electronics

Canada is a world leader in mineral production. In the beginning of the 1970s, total production of gas, oil and minerals exceeded \$6 billion with minerals alone reaching \$4 billion.

These figures can be attributed directly to the skill and technological development of the Canadian geophysical survey industry. The vast distances of Canada and the many differing terrains over which surveys must be carried out have posed serious challenges to the industry. As a result, techniques and equipment have been developed to put Canada in the forefront—today 80 per cent of the world's geophysical surveying is done by Canadians with Canadian equipment.

Aerial survey has become a complete necessity to cover efficiently the broad and rugged areas in which minerals may be found. Airborne electromagnetic systems, magnetometers, radiometric systems and aerial photography have been combined to form a comprehensive system which can spot potential mineral-bearing areas and pinpoint them for future detailed

ground survey. Both fixed-wing aircraft and helicopters are used, fitted with highly accurate, specially designed equipment.

Once the aerial surveys have spotted and pinpointed a possible mineral body, the ground survey crews take over to detail the type, extent and economic feasibility of the find. Again, highly sophisticated Canadian-designed and built electronic geophysical instruments are put to use—sturdy to meet the rough demands of terrain and operation; accurate to give the precise information required. They include instruments for magnetics, radiometrics, electromagnetics, seismic survey and drill hole logging and have proved their reliability under such differing conditions as Canada's frozen northland and Australia's desert outback.

The Canadian geophysical survey industry, backed by its broad experience at home and abroad, has built an enviable reputation both in the air and on the ground and is serving clients around the world.

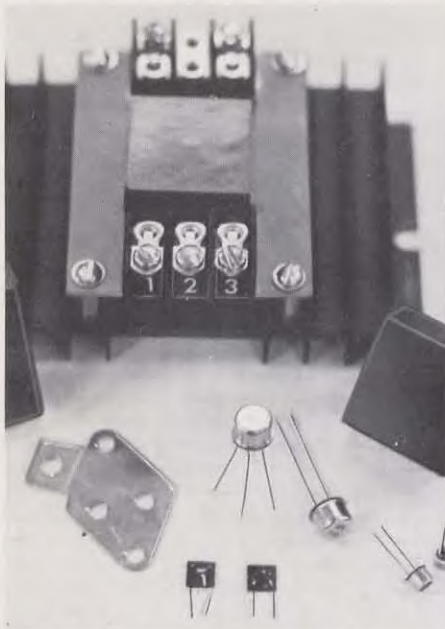


Helicopter-borne aerial geophysical electromagnetic survey equipment—one reason why Canada leads the world in this field.



Canadian-designed and manufactured ground geophysical survey equipment, rugged yet accurate, can be used under any environmental condition.

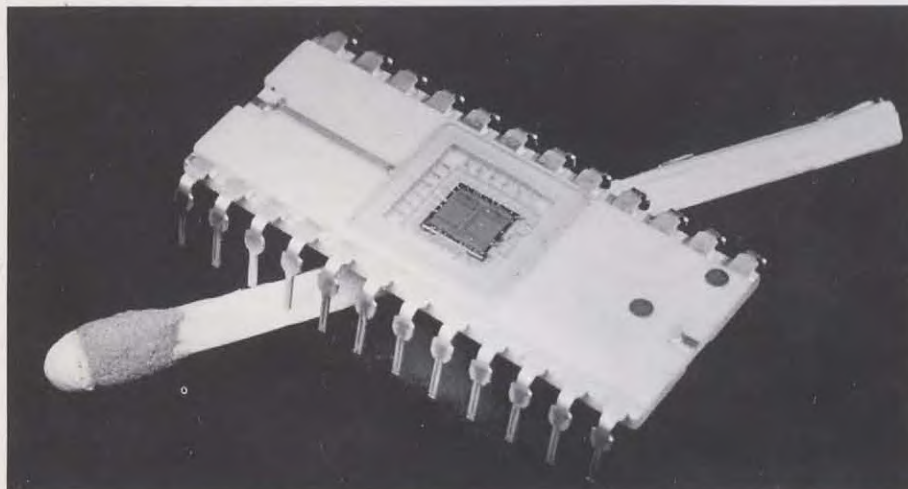
components



Solid-state sensors, couplers and relays ease industrial control problems.



Panel and indicator lamps manufactured with gallium phosphide technology offer IC compatibility, high luminous intensity and operate at extremely low current levels.



State-of-the-art MOS, LSI memory products such as the 2048 bit programmable ROM, shown compared with a common kitchen match, are widely accepted by the computer, telecommunications and data communications markets.

Electronic components are the bases of successful electronics equipment of all types — products as diverse as television, radio, radar, computers, microwave and avionics. The Canadian components industry is constantly striving to lower costs, improve quality and develop new and better products to meet the design engineer's needs.

Canadian components are making a valuable contribution to the United States Apollo spacecraft and can now be found on the moon. In addition, they perform major functions aboard Canada's own orbiting research satellites.

At the heart of electronics equipment are the active elements — vacuum tubes or solid-state devices. Both are turned out in high volume in Canada on automated production and test lines, as are all other components associated with them.

Canadian resistor manufacturing, using the latest techniques and materials, covers a full range of carbon composition, precision film wire wound resistors and potentiometers. Capacitor capabilities include paper, ceramic, electrolytic, tantalum, mica and air types. Interconnection material is readily available — printed circuits, hookup wire, solder and connectors as well as discrete components such as inductors, transformers, flybacks, yokes, delay lines and switches.

Tremendous possibilities are being opened up in miniature design through development of the integrated circuit. Rapid progress and continuing research are leading to smaller and smaller miniaturized circuits for more compact, sophisticated electronics equipment.

Industrial electronic equipment uses a wide variety of specialized components including such electro-mech-

anical devices as meters and motors, servos and switches, waveguides and antennas, crystals and filters, batteries and relays, seals and sockets, klystrons and magnetrons. Canada makes them all.

High reliability of such components for military projects calls for their qualification to military specifications. The Canadian industry works to the high quality MIL Standards which are known around the world and are finding increasing use in industrial electronics as well. A more recent trend is toward designing for IEC specifications to further intercontinental trade.

Even higher reliability is required for manned space exploration electronics. Canadian manufacturing techniques and traceability of all materials ensures top quality to meet rigid specifications. At times the testing and documentation necessary can equal the manufacturing costs.

consumer products



Futuristic design and warm tones are hallmarks of Canadian stereo sets.

With one of the highest standards of living in the world, the Canadian consumer has encouraged the growth and development of an outstanding consumer electronics industry. Since 1945 this industry has established its position as one of the important secondary industries in Canada and, over the years, has shown high innovative and design capability. Today it can offer a complete range of consumer electronic products for the world markets.

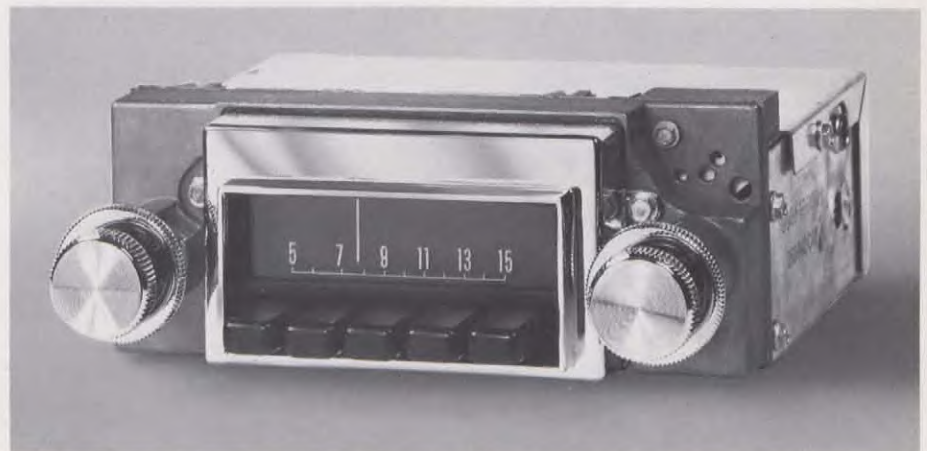
Canadian-designed and engineered color and monochrome television receivers, stereos, automobile radios, home entertainment centers, and other consumer products, are finding ready acceptance both in Canada and abroad. One of the outstanding features of these Canadian products has been the integration of cabinets — crafted from native hardwoods and veneers — with space-age electronic interiors, using the latest developments in transistorized and integrated circuit design.

Canadian manufacturers have also recognized that many countries in the world are developing their own consumer electronics industries. The Canadian industry has the necessary experience, engineering capability and interest in the needs of other countries to provide advice and assistance to foreign manufacturers. The industry can also supply kits of component parts for local assembly where required.

All Canadian products have been designed and engineered to rigid specifications in modern, efficient plants employing the latest production and quality control techniques.



Modern styling for modern use — television sets developed in Canada.



Canadian-designed car radio has made an impact on export markets.

looking to the future

The Canadian electronics industry is continually working in the present for the future. Its products more than meet the stringent demands of a highly competitive market. Through research and development programs the industry is constantly reviewing and renewing its endeavors to maintain high quality standards and keep abreast of world developments.

The foregoing does not pretend to be the complete story of the industry in Canada but is rather a glimpse into some of Canada's many and varied capabilities in the widening world of electronics.

canadian companies supplying

electronics equipment and systems,
components, consumer products
and consultant services

electronic equipment and systems section

ACR INDUSTRIAL SERVICES LTD.

813 Consol Avenue
Winnipeg 13, Manitoba, Canada
Tel: (204) 334-7879

PRODUCTS:

geiger and scintillation counters for geophysical exploration.

ASM MFG. CO.

155 Loretta Street North
Ottawa, Ontario, Canada
K1Y 2J7
Tel: (613) 722-4293
Telex: 053-3609
Cable: ASMOTT

PRODUCTS:

depth sounders; communications equipment; antennas and tuning units; power supplies; gyro theodolite readout device; marine electronics repair and overhaul; technical writing and cataloging communication consulting; burglar alarms; ultraviolet water sterilizers.

ACME DEVICES INC.

9615 Papineau, Suite 200
Montreal 359, Quebec, Canada
Tel: (514) 384-8028

PRODUCTS:

dial access paging control terminals for city-wide and in-plant radio paging services. Firm provides engineering backup at time of installation.

ADVANCED TRANSDUCER SYSTEMS LTD.

40 Meteor Drive
Rexdale, Ontario, Canada
Tel: (416) 677-7641
Telex: 06-22883

PRODUCTS:

EDP peripheral service equipment; computer magnetic tape cleaners; verifiers; rewinders; erasers; metallurgical testing equipment; vacuum chambers and furnaces; tensile, creep testing machines; pneumatic transducers; CALARM annunciators; liquid level switches.

AINSLIE ANTENNA CO. LTD.

Industrial Boulevard
St. Jerome, Quebec, Canada
Tel: (514) 438-3561
TWX: 610-421-3572

PRODUCTS:

microwave communications antenna systems; microwave and UHF antennas; rectangular and circular waveguide transmission line components; flexible waveguide coaxial transmission line systems; waveguide and coaxial components; radar antennas; antenna engineering services.

AIRCRAFT APPLIANCES & EQUIPMENT LIMITED

152 East Drive
Bramalea, Ontario, Canada
Tel: (416) 459-0920
Telex: 069-7540
TWX: 610-492-4396

PRODUCTS:

tachometer generators; voltage regulators; liquid level sensors; auxiliary power units, gasoline engine and diesel engine driven generator sets to 30 kW; solid-state sign flashers; synchronous motors.

ANACONDA ELECTRONICS LTD.

1915 Stainsbury Avenue
Vancouver 12, British Columbia
Canada
Tel: (604) 876-6213
Telex: 04-55490

PRODUCTS:

cable television equipment including head-end processors; trunk and distribution amplifiers; indoor and outdoor splitters and couplers; customer service devices; terminators and connectors; traps and filters; consulting service on cable television systems.

ANATEK ELECTRONICS LTD.

1820 Pandora Street
Vancouver, British Columbia
Canada
Tel: (604) 253-7817
TWX: 610-929-3059

PRODUCTS:

power supplies; educational electronics logic trainer.

AQUIDATA COMPANY LTD.

26 Capital Drive
Ottawa, Ontario, Canada
Tel: (613) 825-1879

PRODUCTS:

data transmission test equipment; supervisory control equipment; tele-

metry communications audio amplifiers; custom design and construction.

ASHMAN INDUSTRIES (1966) LTD.

43 Glen Road
Hamilton, Ontario, Canada
Tel: (416) 528-8953

PRODUCTS:

custom-built electronic and electric testing equipment for schools; motor generator sets; psychological testing equipment for universities; power supplies for schools, laboratories and industries; audio-visual education equipment and systems. Design, engineering, manufacturing facilities.

ASSEMBLY ELECTRONICS

8529 Stanley Street
Niagara Falls, Ontario, Canada
Tel: (416) 345-2124

PRODUCTS:

strobe warning systems.

AUSTIN INSULATOR DIVISION Decca Radar Canada (1967) Limited

23 Six Point Road
Toronto 18, Ontario, Canada
Tel: (416) 239-1161
Telex: 02-2098
Cable: DECRADAR TORONTO

PRODUCTS:

antenna mast and tower lighting transformers; tower base insulators and tower guy strain insulators.

AUTOMATEC INC.

5845 Couture Boulevard
Montreal 458, Quebec, Canada
Tel: (514) 324-3200
Telex: 01-20117
Cable: GIRBED MONTREAL

PRODUCTS:

solid-state annunciators and alarm systems; solid-state tele-transmission systems; solid-state power supplies.

AUTOMATIC ELECTRIC (CANADA) LIMITED

100 Strowger Boulevard
Brockville, Ontario, Canada
Tel: (613) 342-6621
Telex: 026-3532
TWX: 610-525-1061
Cable: GENTELINT BROCKVILLE

PRODUCTS:

electronic and electro-mechanical telephone switching equipment for central offices; manual toll, information, test and repair positions; private automatic branch exchange (PABX); private automatic exchange (PAX); key telephone equipment; secretarial answering units; telephones of all types; enterphone systems (apartments); engineering and installation services plus special applications for communications.

AUTOMATIC ELECTRONIC SYSTEMS INCORPORATED

5455 Paré Street
Montreal 309, Quebec, Canada
Tel: (514) 735-6581
Telex: 01-20776

PRODUCTS:

microprocessors; time division multiplexers; alarm and control systems; tele-protection systems for protective relaying; data acquisition systems; remote and supervisory control systems; tele-multiplexers.

AUTO-VOX INC.

485 Boulevard Langelier
Quebec 2, Quebec, Canada
Tel: (418) 529-9271

PRODUCTS:

intercom systems; public address systems; telephone equipment (PAX).

AVIATION ELECTRIC LTD.

P.O. Box 2140
200 Laurentien Boulevard
St. Laurent, Montreal 379, Quebec
Canada
Tel: (514) 744-2811
Telex: 05-267659
Cable: AVIATION-MONTREAL

PRODUCTS:

land navigation systems; vehicle position reporting systems; ground support equipment; gas turbine fuel control systems; electrical, fuel, hydraulic and special test stands; mechanical analog computers; aircraft instruments and flight system components; repair and overhaul of aircraft equipment.

BACH-SIMPSON LIMITED

1255 Brydges Street
London 31, Ontario, Canada
Tel: (519) 451-9490
Telex: 024-843
Cable: WILBAC

PRODUCTS:

panel meters; control instruments; shunts and current transformers; portable electrical and electronic test equipment; electro-mechanical counters; flame photometers.

BAILEY METER COMPANY LIMITED

205 Brunswick Boulevard
Pointe Claire 730, Quebec, Canada
Tel: (514) 697-6770
Telex: 01-20705
Cable: BAILYCANADA

PRODUCTS:

pneumatic and electronic systems, computers and instruments for power and process control consisting of: electronic computers; analog and digital data processing; building management systems; mechanical, electric or pneumatic gauges, meters, indicators, pyrometers, regulators, recorders and alarms.

BARRINGER RESEARCH LIMITED

304 Carlingview Drive
Metropolitan Toronto
Rexdale, Ontario, Canada
Tel: (416) 677-2491
Telex: 06217893
TWX: 610-492-4244
Cable: BARESEARCH TORONTO

PRODUCTS:

exploration products: geophysical (magnetometers, EM); airborne and ground instruments and geochemical systems. Services: program participation and management — consulting and contracting — laboratory analyses. Pollution products: ground and airborne pollution detection instruments and heavy water loss detectors. Services: ground and airborne pollution monitoring.

BARVIC ELECTRONIC COMMUNICATIONS LTD.

909 Beach Avenue
Vancouver 1, British Columbia
Canada
Tel: (604) 685-6245
Cable: BARVIC

PRODUCTS:

audio amplifiers; public address systems; low voltage control systems; electronic educational and time recording equipment; medical and hospital annunciators and intercoms.

BAYLY ENGINEERING LIMITED

120 Hunt Street
Ajax, Ontario, Canada
Tel: (416) 925-2126
Telex: 06-981293

PRODUCTS:

selective signalling systems; railway despatchers' communication equipment; program amplifiers; program channels; telephone equipment; remote control system; RF power meters.

BEACONING, OPTICAL & PRECISION MATERIALS CO. LTD.

P.O. Box 88
32 Brome, Place Bonaventure
Montreal 114, Quebec, Canada
Tel: (514) 866-8395
TWX: 610-532-6561
Cable: BOPHAR

PRODUCTS:

UHF communications equipment for mobile or ground use; airborne searchlight systems; ancillary radar equipment; remote control systems; sonar equipment.

BEAMA (1969) LTD.

5 Kenhar Drive
Weston, Ontario, Canada
Tel: (416) 749-3074

PRODUCTS:

intercommunication systems and equipment for apartments, industrial buildings, institutions and schools; paging systems.

BEDARD-GIRARD LTD.

117 Lagauchetière Street West
Montreal, Quebec, Canada
Tel: (514) 861-5631
Telex: 05-25142
Cable: GIRBED MONTREAL

PRODUCTS:

relay annunciator and alarm systems; static power rectifiers; electronic governors for hydraulic turbines; static power converters

and supplies; railway signalling systems and equipment; subway controls and special equipment such as automatic tunnel cleaning vehicles, gates; special equipment for automated operations.

BEEL CONTROLS LIMITED

P.O. Box 2059, Dorval Station
Dorval 780, Quebec, Canada
Tel: (514) 735-6177

PRODUCTS:

rectifier power supplies; DC SCR variable speed drives; industrial control systems.

BINARY THREE LIMITED

102 Wilson Crescent
Saskatoon, Saskatchewan, Canada
Tel: (306) 653-2205

PRODUCTS:

three-channel digital programmer with audio and accompanying digital track recorded in compact cassette format, used to control up to three slide projectors but signal can be used to control any electronic device. Simple punched tape programmer for use in changing slide projectors of manually controlled shows.

BRISTOL AEROSPACE (1968) LIMITED

P.O. Box 874
Winnipeg, Manitoba, Canada
Tel: (204) 775-8331
Telex: 03-5587
TWX: 610-671-3598
Cable: BRISAIRCO

PRODUCTS:

rocket telemetry and control systems (for scientific soundings and meteorological data acquisition) — VHF telemetry transmitters; voltage controlled subcarrier oscillators; voltage regulators; IRIG standard commutators; magnetometers; aspect measuring systems; vehicle telemetry antennas; electronic timers. Data acquisition systems (pollution, meteorology, hydrology, oceanography, etc.); encoders and decoders; teletype formatters; remote and master control stations (manual and automatic); A-D and D-A converters; modems (RF or hard line); data processing. Satellite

telemetry equipment — PCM encoders and decoders; switching units. Heavy machinery diagnostic telemetry (turbines, generators, etc.) — analog and digital systems and components.

CAE INDUSTRIES LTD.

P.O. Box 6166
Montreal 101, Quebec, Canada
Tel: (514) 341-6780
Telex: 01-20708
TWX: 610-422-3063
Cable: CAEIND

PRODUCTS:

flight, tactical and weapons simulators; solid-state telecommunications equipment; industrial monitoring and control systems; portable and mobile data terminals; electronic volume measuring devices; portable grain temperature probes and moisture measuring devices; airborne magnetic detection systems; visual display and tracking systems; weather satellite photo receivers; field maintenance, repair and overhaul, test and calibration services and facilities.

CETA LIMITED

452 Kraft Road
Fort Erie, Ontario, Canada
Tel: (416) 871-4260
Cable: CETACAN

PRODUCTS:

electronics and electricity learning systems (experimental breadboarding apparatus); power supplies; laboratory equipment.

COPAQ

7903 20th Avenue
St. Michel, Montreal 456, Quebec
Canada
Tel: (514) 728-3345

PRODUCTS:

design and development of sophisticated scientific and research instruments.

C-TECH LIMITED

P.O. Box 145
Cornwall, Ontario, Canada
Tel: (613) 933-7970

PRODUCTS:

echo sounder and sonar transducers; electronic solid-state switches; digitizers; echo sounder and sonar systems engineering.

CTS OF CANADA LIMITED

P.O. Box 280
80 Thomas Street
Streetsville, Ontario, Canada
Tel: (416) 826-1141
Cable: INDELEC

PRODUCTS:

static inverters; uninterruptible power supply systems including start-up assistance; DC-DC (static) converters; static frequency converters; battery chargers; rectifier-power supplies.

CANADIAN ADMIRAL CORPORATION LTD.

501 Lakeshore Road
Port Credit, Ontario, Canada
Tel: (416) 278-5561
Telex: 06-961138

PRODUCTS:

nuclear instrumentation; gamma radiation survey meters; dosimeter chargers ionization chamber detectors; radiac calibrators; power supplies.

CANADIAN APPLIED TECHNOLOGY

2768 Slough Street
Malton, Ontario, Canada
Tel: (416) 677-7861

PRODUCTS:

data acquisition systems for pollution monitoring and control; analog-digital telemetering systems; synchro DC converters; sensor simulators.

CANADIAN BRIDGE DIVISION Hawker Industries Ltd.

1219 Walker Road
Windsor, Ontario, Canada
Tel: (519) 256-2661
Cable: CANBRIDGE

PRODUCTS:

radio, TV, microwave masts and towers; electronics structures; transmission towers, poles and substation structures.

CANADIAN GENERAL ELECTRIC COMPANY LIMITED

940 Lansdowne Avenue
Toronto 170, Ontario, Canada
Tel: (416) 534-6511
Telex: 02-2057

PRODUCTS:

traffic controls and controllers; traffic signals and lights; complete traffic control systems.

CANADIAN GENERAL ELECTRIC COMPANY LIMITED

100 Wingold Avenue
Toronto 395, Ontario, Canada
Tel: (416) 789-3281
Telex: 06-219714

PRODUCTS:

television broadcast equipment; mobile radio communications equipment.

CANADIAN GENERAL ELECTRIC COMPANY LIMITED

107 Park Street North
Peterborough, Ontario, Canada
Tel: (705) 742-7711
Telex: 02-9826

PRODUCTS:

static power conversion equipment; control and regulators for DC or variable frequency AC drive systems; static digital logic systems; design and manufacture of control instrumentation of nuclear power plants.

CANADIAN MARCONI COMPANY

2442 Trenton Avenue
Montreal 301, Quebec, Canada
Tel: (514) 343-3411
Telex: 01-2260
TWX: 610-421-3564
Cable: ARCON MONTREAL

PRODUCTS:

full range of fixed, mobile and portable radio communications equipment in HF, SSB, VHF-FM and UHF-FM; marine radar and communications; tactical radio relay; communications system engineering; airborne doppler sensors, computers and indicators for navigational and tactical use on both fixed and rotary wing aircraft; airborne OMEGA receivers; specialized power supplies; specialized servo amplifiers; BITE failure indicators.

CANADIAN MOTOROLA ELECTRONICS COMPANY

3125 Steeles Avenue East
Willowdale 425, Ontario, Canada
Tel: (416) 499-1441
Telex: 02-29944
Cable: MOTOROLA

PRODUCTS:

VHF and UHF mobile radio products including base, mobile, portable and paging equipment and accessories; VHF and UHF radio relay products including point-to-point multi-channel equipment and accessories.

CANADIAN RESEARCH INSTITUTE Division of Criterion Instruments Limited

85 Curlew Drive
Don Mills, Ontario, Canada
Tel: (416) 445-6363

PRODUCTS:

power supplies and inverters; test equipment, instruments and scientific apparatus; pollution test equipment (air, water); automatic production test sets for electronic and electrical devices, motors, etc.; medical electronic instruments; computer interfacing; panel meters; contactless contact meters; precision portable meters; school and educational instrumentation; insulation resistance and breakdown testers; high voltage test sets; electrostatic high voltage generators; geophysical instruments; pH meters; colorimeters; Wheatstone and Kelvin bridges; decade boxes; megohmmeters; wire testing equipment; conductivity bridges; power distribution test sets and fault locators; hospital floor conductivity test sets. Services — instrumentation R and D; test and calibration services and facilities; printed circuit design.

CANADIAN SOUND AND SIGNAL DIVISION

ESB Canada Limited
2220 Midland Avenue
Scarborough, Ontario, Canada
Tel: (416) 291-8807
Telex: 02-96152

PRODUCTS:

fire alarm control panels; apartment intercom systems.

CASCADE ELECTRONICS LTD.

P.O. Box 39
Electronic Avenue
Port Moody, British Columbia
Canada
Tel: (604) 939-1191
Telex: 04-54434

PRODUCTS:

community antenna TV (CATV) distribution equipment — wideband Class "A" transistorized amplifiers and associated power supplies; wideband directional couplers, taps and splitters; telemetry monitoring equipment for CATV.

CENTRAL DYNAMICS LTD.

147 Hymus Boulevard
Pointe Claire, Quebec, Canada
Tel: (514) 697-0811
TWX: 610-422-3906

PRODUCTS:

video terminal equipment systems for broadcasting, ETV, CCTV installations; video, pulse, audio switching for studio and master control with associated amplifiers and peripheral equipment; automatic programmers; video tape editors; supervisory control and telemetry systems; industrial monitoring and data logging; electronic information display systems.

CHALLENGER ELECTRONICS Division of Challenger Equipment Ltd.

P.O. Box 2010
North Burnaby, British Columbia
Canada
Tel: (604) 291-2246
Telex: 04-507522
TWX: 610-929-2042

PRODUCTS:

tone signalling encoders and decoders; single-tone, two-tone sequential or simultaneous, dual tone multi-frequency; digital decoders; voltage regulators.

COLLINS RADIO COMPANY OF CANADA LIMITED

150 Bartley Drive
Toronto 16, Ontario, Canada
Tel: (416) 757-1101
Telex: 02-21130
TWX: 610-492-1375
Cable: COLINRAD TORONTO

PRODUCTS:

airborne radio communications and navigation equipment; airborne, land mobile and fixed base SSB communications equipment; portable manpack and hand-held UHF transceivers; microwave and multiplex equipment; high power short wave broadcast transmitters; mar-

itime HF SSB transceivers with automatic antenna couplers.

COMPUTING DEVICES OF CANADA LIMITED

P.O. Box 8508
Ottawa, Ontario, Canada
K1G 3M9
Tel: (613) 829-1800
Telex: 013-439
TWX: 610-563-1632
Cable: COMDEVCAN OTTAWA

PRODUCTS:

air and marine navigation, oceanics, photo-optical, telecommunications, industrial and scientific systems design, development and management; aerospace research; survey and exploration, field engineering installation and maintenance services.

CONSOLIDATED COMPUTER INC.

50 Gervais Drive
Don Mills, Ontario, Canada
Tel: (416) 449-1120
TWX: 610-492-1355

PRODUCTS:

KEY-EDIT multi-station data preparation system replacing keypunch and key-to-tape systems.

CONUCLEAR LTD.

P.O. Box 11055, Station H
Ottawa, Ontario, Canada
K2H 7T8
Tel: (613) 592-1411
Cable: CONUCLEAR

PRODUCTS:

electronic equipment for radiation measurement; nuclear instrument modules for research and systems for nuclear medical applications.

CRESCENT CONTROLS LTD.

2960 West 4th Avenue
Vancouver 8, British Columbia
Canada
Tel: (604) 732-7461
Telex: 04-508538

PRODUCTS:

industrial process control equipment and systems; multi-point supervisory and alarm systems; supervisory control equipment and systems including pulse width modulation, audio tone signalling, time multiplexed signalling and computer based time multiplexed signalling.

DANIELS ELECTRONIC LIMITED

225 St. Lawrence Street
Victoria, British Columbia, Canada
Tel: (604) 382-8268

PRODUCTS:

Model DE 440 C radio telephone, standard broadcast band, six crystal controlled channels, deluxe 10 channels, 12, 24, 32-volt, DOC rated 50 watts output; Model DE 330 radio telephone, five channels and broadcast band, 12-volt DC, DOC rated 44 watts output; custom designing and manufacturing of electronic equipment.

DANSCOLL LTD.

9721 Côte de Liesse Road
Montreal 760, Quebec, Canada
Tel: (514) 631-9884

PRODUCTS:

television pulse and video distribution amplifiers; processing amplifiers, mixing amplifiers, special effects amplifiers; production and master control and routing switchers, color, black and white generator; microphone/line preamplifiers, power amplifiers, audio mixing panels.

DELTA-BENCO LIMITED

70 Ronson Drive
Rexdale, Ontario, Canada
Tel: (416) 247-7431
Telex: 06-965552

PRODUCTS:

electronic equipment for the distribution of television signals; products for improved home television reception; master antenna installations in hotels, motels, apartments and educational institutions; amplifiers, passive devices and test equipment for community antenna (CATV) systems.

DEVTEK LIMITED

40 Meteor Drive
Rexdale, Ontario, Canada
Tel: (416) 677-7641
Telex: 06-22883
Cable: HERMES TOR

PRODUCTS:

microwave drying equipment. Firm supplies start-up and installation services as required. Consultant services available for complete systems.

DYNAMIC INDUSTRIES INC.

P.O. Box 1664
45 Dorchester Street South
Quebec City 2, Quebec, Canada
Tel: (418) 524-5221

PRODUCTS:

transmission line towers and allied products.

DYNAQUIP ELECTRON DEVICES LIMITED

1 West Avenue South, Suite 203
Hamilton, Ontario, Canada
Tel: (416) 525-8853

PRODUCTS:

real time digital clocks; program timers; audio distribution amplifiers; character generators.

E.D.A. ELECTRONICS LTD.

P.O. Box 5197, Station F
Ottawa, Ontario, Canada
K2G 0B2
Tel: (613) 825-4123

PRODUCTS:

data transmission test equipment; digital event recorders; digital clocks and clock systems; low drain digital timers; fluxgate magnetometers; radon detection systems for uranium prospecting.

EKEG LIMITED

P.O. Box 310, Station A
Vancouver 1, British Columbia
Canada
Tel: (604) 685-7817

PRODUCTS:

biomedical electronic equipment including: telemetry transmitters and implantable transmitters; telemetry receivers; heart rate meters; solid-state clinical thermometers; neurophysiological ratemeters; temperature control units; EKG amplifiers; respiration monitors; drop counters; physiological event counters; biomedical data acquisition systems.

ERA INSTRUMENTS LTD.

P.O. Box 3444, Station B
Calgary, Alberta, Canada
Tel: (403) 276-5001

PRODUCTS:

airborne data acquisition systems for environment and resource instrumentation; surface data acquisition; data processing and analysis; instrumentation development.

ESE LIMITED

1780 Albion Road
Rexdale, Ontario, Canada
Tel: (416) 749-2271

PRODUCTS:

telephone line conditioning equipment; special purpose digital systems; high speed modems; high speed 1024-point scanner; modem test sets; telephone traffic data acquisition equipment.

EALING SCIENTIFIC LIMITED

9649 Côte de Liesse
Dorval 760, Quebec, Canada
Tel: (514) 631-5171

PRODUCTS:

counters and timers; curve tracers; signal and function generators; stroboscopic timers; amplifiers; Fourier synthesizers; gas chromatographs; C-H-N analyzers; D.T. analyzers; Mossbauer spectrometers; physics teaching apparatus.

EASTERN GEOPHYSICS LTD.

887 Kipling Avenue
Toronto 570, Ontario, Canada
Tel: (416) 231-0631

PRODUCTS:

gas lasers for universities and colleges; experimental kits for manuals for laboratory experiments.

EDWARDS OF CANADA

625 6th Street East
Owen Sound, Ontario, Canada
Tel: (519) 376-2430
Cable: EDCAN

PRODUCTS:

heavy-duty bells, horns and buzzers; visual nurse call systems; fire alarm systems; lamp and drop type annunciators; electrical instructional equipment.

EKOLITE LIMITED

525 East Hastings Street
Vancouver 4, British Columbia
Canada
Tel: (604) 254-4515
Cable: CANEKO

PRODUCTS:

marine echo sounders including sonar.

ELECTRO DYNAMICS AND TELECOM LTD.

300 Merritt Avenue
Chatham, Ontario, Canada
Tel: (519) 352-4570

PRODUCTS:

telephone equipment including: loop extenders; relay systems; inverters and power supplies; howler hold systems and custom equipment; solid-state, long duration timers; subscriber tone dial receivers and decoders; signal buzzers. Computer peripheral equipment: computer multiplexers, DC analog data, 255 to 2,047 channels; computer DDC to manual transfer and analog instrumentation control stations; PCM position encoders; industrial automation control systems; electronic sub-assemblies.

ELECTRONIC CONTROLS LIMITED

5 Lavington Drive, Suite 8
Weston, Ontario, Canada
Tel: (416) 248-9257, 248-2916
Cable: ELECTROLAB TORONTO

PRODUCTS:

technical education equipment for electrical, electronic and refrigeration, air-conditioning and heating laboratories including: power distribution systems; power supplies; demonstration equipment; instrumentation.

ELECTROVERT MANUFACTURING CO. LTD.

3285 Cavendish Boulevard
Montreal 261, Quebec, Canada
Tel: (514) 488-2521
Telex: 05-267561

PRODUCTS:

automated pretinning and soldering systems (also fluxing and cleaning

operations) for electronic, electrical and automotive industries.

ELECTRONIC ASSOCIATES OF CANADA LTD.

P.O. Box 7000
Steeles Avenue West
Downsview, Ontario, Canada
Tel: (416) 638-7000

PRODUCTS:

electronic sensing and control equipment for the pulp and paper industry: overall control systems using digital techniques, modular software and hardware, standardized moisture and basis weight analog control system; betameter for accurate measurement and control of basis weight; systems for accurate measurement and control of sheet moisture at the dry end of a paper machine or converting operation; accurate moisture measurement and control systems for paper machines at the wet end; control and measurement systems for control of sheet moisture; on-machine measurement and control of formation; detection and evaluation of cull sheets at cutter sorter and on paper machine or coater; measurement of caliper profile of moving web; other paper industry instruments and systems.

EXPLORANIUM CORPORATION Division of Geometrics Services (Canada) Ltd.

48 Alness Street
Downsview, Ontario, Canada
Tel: (416) 661-1966
Telex: 06-22694
Cable: EXPLOR

PRODUCTS:

airborne analog gamma-ray spectrometers, digital four-channel spectrometers; ground gamma spectrum analyzers and multi-channel differential analyzers; portable gamma-ray borehole probe. Airborne magnetometers: proton magnetometer; marine/airborne proton magnetometer. Marine proton magnetometers. Ground portable proton magnetometer. Data services for geophysics and remote sensing: airborne and ground magnetic, gravity, infra-red, gamma-ray, geochemical, geological. Contract services airborne and ground: magnetic, infra-red, gamma-ray, geochemical and geological.

**FANON ELECTRONICS
OF CANADA LIMITED**

25 Bathurst Street
Toronto 2B, Ontario, Canada
Tel: (416) 363-5011
Telex: 02-21264

PRODUCTS:

intercoms; public address amplifiers; telephone amplifiers; loudspeakers (paging and talkback); walkie-talkies; megaphones; telephone intercoms.

**FARINON ELECTRIC OF
CANADA LTD.**

657 Orly Avenue
Dorval 760, Quebec, Canada
Tel: (514) 636-0974
Telex: 01-20962

PRODUCTS:

high quality multichannel microwave communications equipment including all-solid-state SS and TR radio and partial solid-state PT radio systems for operation in nominal frequency bands of 80 MHz, 150 MHz, 200 MHz, 300 MHz, 400 MHz, 450 MHz, 900 MHz, 2 GHz, 4 GHz, 5 GHz, 6 GHz and 7 GHz, with voice channel capacities varying from 6 channels to 960 channels; voice channelling multiplex equipment Type LD for self-contained systems with maximum flexibility to 60 channels and Type FC for fully compatible CCITT multiplex from 24 to 600 channels; accessories include transmission filters, order wire equipment, protection combining and switching equipment, HF and VF bridges and amplifiers, etc.; engineering and installation services; specialists in low density, complete systems.

FERRANTI-PACKARD LIMITED

121 Industry Street
Toronto 15, Ontario, Canada
Tel: (416) 762-3661
TWX: 610-491-1434

PRODUCTS:

power and distribution transformers; furnace transformers; watt-hour meters; instrument transformers; street lighting relays; step voltage regulators; shunt reactors; digital electronic products for commercial and industrial application including — remotely controlled alphanumeric and control room status display systems and components; catalog

order and commodity material handling control systems including static terminal and moving object bar-code scanners; precision linear and rotary displacement transducers, digital read-outs, dial-in cyclic control units and in-process gauging systems for metal-working and metalforming applications.

**FISCHER & PORTER (CANADA)
LIMITED**

124 Norfinch Drive
Downsview, Ontario, Canada
Tel: (416) 633-9810
Telex: 02-2709
Cable: FISHCAPORT

PRODUCTS:

pneumatic and electronic control instrumentation; chlorination, digital data acquisition and control systems; traffic measurement systems; hydrologic and meteorological recording systems.

FORTIN-LATCHFORD LTD.

867 Progress Avenue
Scarborough, Ontario, Canada
Tel: (416) 291-2171

PRODUCTS:

rotary transfer molding machine for automatic thermo-setting encapsulation or insertion; insert molded piece parts; automatic or advanced mechanized custom equipment for piece part production.

**GARRETT MANUFACTURING
LIMITED**

255 Attwell Drive
Rexdale, Ontario, Canada
Tel: (416) 677-1410
Telex: 02-21673
TWX: 610-492-4352

PRODUCTS:

aircraft temperature control systems for cabin's crew compartments; aircraft electric windshields and electronic bays; static inverters 250 VA (aircraft); dual frequency radio emergency beacons and downed aircraft locators; mesometeorological automatic data collection system; air data support equipment and avionics test equipment; commercial shipboard systems; aircraft test equipment; custom micro-electronic circuit designing and manufacturing; micro-computers and digital training systems.

**GENERAL PRECISION
INDUSTRIES LTD.**

P.O. Box 88
32 Brome, Place Bonaventure
Montreal 114, Quebec, Canada
Tel: (514) 866-8395
TWX: 610-532-6561
Cable: BOPHAR

PRODUCTS:

solid-state multi-channel VLF-VHF radio direction finding equipment for shipboard, vehicular and ground station applications.

GEN-TEC INC.

2625 Dalton Street
Quebec 12, Quebec, Canada
Tel: (418) 651-8000

PRODUCTS:

peak load stabilizers; TEA CO₂ lasers; joulemeters.

GEODYNAMICS SERVICES LTD.

250 North Grosvenor Avenue
Burnaby 2, British Columbia
Canada
Tel: (604) 298-9619

PRODUCTS:

geophysical instruments: vertical field fluxgate self-levelling magnetometers; induced polarization instruments; self-potential instruments; remote source electromagnetics — VLF EM instruments.

GEONICS LIMITED

2 Thorncliffe Park Drive
Toronto 17, Ontario, Canada
Tel: (416) 425-1821
Cable: GEONICS

PRODUCTS:

geophysical instrumentation including: lightweight portable electromagnetic detectors; VLF electromagnetic units; horizontal-loop electromagnetic units with automatic readout; self-potential instruments; VLF electromagnetic exploration systems; high power, deep penetrating LF electromagnetic systems; resistivity profiling instrumentation; one-man dipole electromagnetometer.

GEOTRONICS SURVEYS LTD.

514-602 West Hastings Street
Vancouver 2, British Columbia
Canada
Tel: (604) 687-6671

PRODUCTS:

geophysical equipment: VLF electro-magnetic, induced polarization equipment; magnetometers; SP equipment.

GLENAYRE ELECTRONICS LTD.

1138 Boundary Road
Vancouver 6, British Columbia
Canada
Tel: (604) 291-1205

PRODUCTS:

power supplies: AC/DC regulated types; DC/AC converters; DC/DC regulators; DC/AC inverters. Tone equipment: interrogator/transponder decoders; mobile telephone selective call digital decoder; dual-tone multi-frequency encoders and decoders. Vehicle location and identification equipment; interrogator/transponder types for railroad and bus reporting and control systems.

GTE LENKURT ELECTRIC (CANADA) LTD.

7018 Lougheed Highway
Burnaby 2, British Columbia
Canada
Tel: (604) 298-2464
Telex: 04-54309
TWX: 610-922-6096
Cable: GENTELINT

PRODUCTS:

telecommunications products and services: microwave systems in bands from 900 - 13,000 MHz, up to 1,800 voice channels or color TV capacity, complete with service channel, IF and baseband protective switching, delay equalizers, etc.; multiplex systems up to 1,800 channels, in-band or out-band signalling, regulators, termination equipment, wideband modems, echo suppressors, etc.; supervisory systems — models from 16 points/site to 300 points/site — lamp displays, optional computer based fault analysis and control; data modems from 50 b/s to 2,400 b/s; services for repair and training products, complete

engineering, furnishing and installation of products including civil works, prime power, etc.

GUILDLINE INSTRUMENTS LIMITED

Churchill Crescent
Smiths Falls, Ontario, Canada
Tel: (613) 283-3000
TWX: 610-561-1681

PRODUCTS:

electrical and temperature measuring instruments of the highest accuracy and precision; voltage and resistance standards; oceanographic instrumentation for pressure, depth and salinity.

GULTON INDUSTRIES (CANADA) LTD.

West Instrument Division

P.O. Box 1150
Gananoque, Ontario, Canada
Tel: (613) 382-2141
Telex: 02-6245

PRODUCTS:

industrial controls; thermocouple actuated temperature controllers.

HAMPDEN LTD.

P.O. Box 221
610 Welland Avenue
St. Catharines, Ontario, Canada
Tel: (416) 685-4237

PRODUCTS:

regulated power supplies; motor-generator training systems; laboratory power systems; motor control teaching systems; basic electricity and electronics teaching systems; signal distribution systems.

HARCO ELECTRONICS LIMITED

740 Century Street
Winnipeg, Manitoba, Canada
R3H 0M1
Tel: (204) 786-6534

PRODUCTS:

medical electronic monitoring and resuscitative equipment including: safety test equipment and ground leakage detectors; patient isolators and cable sets; Cardialert monitors; diagnostic ECG machines, ECG activated Cardialert monitors; DC defibrillator with and without synchronizer; fully equipped emergency Crash Carts; fetal heartrate and interuterine pressure monitors.

HERMES ELECTRONICS LIMITED

P.O. Box 1005
Dartmouth, Nova Scotia, Canada
Tel: (902) 466-7491
Telex: 014-422744
TWX: 610-271-1973

PRODUCTS:

radio communications equipment; HF antennas; ionospheric sounder equipment; oceanographic buoys and devices; sonobuoys; ships' intercommunications equipment.

HONEYWELL LTD.

740 Ellesmere Road
Scarborough, Ontario, Canada
Tel: (416) 293-8111
Telex: 02-21680

PRODUCTS:

modulating solid-state controllers; electronic potentiometer and resistance bulb recorders and controllers; flow transmitters/receivers, thermocouples and sensors; keytape data input units; electronic air cleaners.

HOTPACK (CANADA) LTD.

385 Phillip Street North
Waterloo, Ontario, Canada
Tel: (519) 884-3590
TWX: 610-365-3434

PRODUCTS:

designers and manufacturers of controlled environment and laboratory test equipment for research, industry, education and medicine.

HUNTEC ('70) LIMITED

1450 O'Connor Drive
Toronto 374, Ontario, Canada
Tel: (416) 751-8055
Telex: 06-22797
Cable: HUNTOR

PRODUCTS:

portable facsimile seismograph for shallow engineering subsurface studies; induced polarization instruments including IP receivers and low and high power transmitters for mineral prospecting; single and dual-channel marine seismic profiling systems for marine engineering foundation surveys and underwater mineral and oil exploration.

INAX INSTRUMENTS LTD.

P.O. Box 6044, Station J
Ottawa, Ontario, Canada
K2A 1T1
Tel: (613) 825-4711
Cable: INAXIN

PRODUCTS:

X-ray fluorescence spectrometers; uranium survey instruments, X and gamma-ray spectrometers; nuclear instruments; computer compatible magnetic tape readers.

ITT CANADA LIMITED

175 Dawson Road
Guelph, Ontario, Canada
Tel: (519) 821-2000
Telex: 02-956547

PRODUCTS:

postal mechanization: letter coding desks; letter sorting machines; OCR automatic coding systems; cullers; facer-cancellers; mail processing computers; mail conveyor systems; document sorters.

**ITT CANADA LIMITED
Communications Division**

175 Dawson Road
Guelph, Ontario, Canada
Tel: (519) 821-2000
Telex: 02-956547

PRODUCTS:

ground and airborne radio navigation equipment; telephone and telegraph equipment; telephone carrier equipment; microwave radio terminals; ground radar equipment (precision approach radar); Telex and broadband switching; data telephones; field maintenance, repair and overhaul, test and calibration services and facilities; electronic PABXs; central office peripheral switching equipment; remote meter reading equipment; subscriber loop devices; optical character recognition systems for postal mechanization systems.

INSTRONICS LTD.

Stittsville, Ontario, Canada
Tel: (613) 836-4411
Telex: 053-4115

PRODUCTS:

graphic digitizers; data acquisition systems, remote and custom designed; data line interfaces — card

punch, magnetic tape, computers and paper tape punches; solid-state cooling system; LF and AF FSK exciters; parity checker; power supplies; machine monitoring electronics.

INTERNATIONAL SYSTCOMS LIMITED

4900 Fisher Street
Montreal 376, Quebec, Canada
Tel: (514) 735-6441
TWX: 610-422-3065

PRODUCTS:

VHF and UHF radio telephone equipment including mobile, portable, fixed station and rural radio.

KAMECO ELECTRONICS LIMITED

1080 Port Royal West
Montreal 355, Quebec, Canada
Tel: (514) 331-6100
Telex: 01-20680

PRODUCTS:

telemat selectors; code translators; format generators; automatic dialers for telex and telephones; automatic test generators; telex repeaters; toll restrictors; memory storage units; alarm reporting systems for unattended telephone exchanges; illuminated push buttons; design, supply and maintenance of communications and control systems.

KEIL INDUSTRIES LIMITED

P.O. Box 664
125 Whitney Place
Kitchener, Ontario, Canada
Tel: (519) 578-7380

PRODUCTS:

intercom and sound systems; musical and PA amplifiers; reverberation units; language laboratory; educational record players; sheet metal cabinetry; metal chassis.

GEORGE KELK LIMITED

48 Lesmill Road
Don Mills, Ontario, Canada
Tel: (416) 445-5850
Telex: 06-966670
Cable: KELLEX TORONTO

PRODUCTS:

washer type load cells; thickness gauge (hot slab); length-width gauge for hot products; digital metallo-graph; shaft encoders; pulse tacho-

generator; digital frequency divider; temper mill extensometer; Stedivolt-AC line voltage regulators.

LAB-VOLT LIMITED

P.O. Box 700
Pointe Claire/Dorval, Quebec
Canada
Tel: (514) 381-8574
Telex: 05-268747

PRODUCTS:

power supplies, measuring devices, RLC loading units, motors, generators, dynamometers and other equipment to assist the teaching of electric power technology; control systems utilizing various components for the teaching of controls as they relate to electric power technology.

LANICO INDUSTRIES LTD.

P.O. Box 398
Don Mills, Ontario, Canada
Tel: (416) 293-3120

PRODUCTS:

electronic controls and monitoring equipment; Ph measurement and control equipment; electronic teaching aids; solid-state switches; test equipment.

**LEBLANC & ROY
COMMUNICATION TOWERS LIMITED**

514 Chartwell Road
Oakville, Ontario, Canada
Tel: (416) 844-1242
Telex: 06-982226
TWX: 610-491-2676

PRODUCTS:

communications towers; heavy microwave and television transmission towers both guyed and self-supporting; complete installation, maintenance and inspection service.

**LEIGH INSTRUMENTS LIMITED
Avionics Division**

P.O. Box 820
Carleton Place, Ontario, Canada
Tel: (613) 257-3883
Telex: 053-4148

PRODUCTS:

airfoil delivery systems; crash position indicators; electronic systems including flight data acquisition systems applicable to safety, maintenance, mission analysis, training

and flight evaluation; avionic flight instrumentation including servo altimeters; servo pneumatic altimeters with or without the encoder provision; emergency locator transmitters (ELTs); design and development of specialized navigation instruments; safety and marker beacons; satellite beacons; radio detection (VHF) equipment; air traffic control radar digitizer; ground support and test equipment associated with products; field maintenance, repair and overhaul, test and calibration services and facilities, product design and development services, technical writing, cataloguing and illustrating services.

**LEIGH INSTRUMENTS LIMITED
Technology Division**

320 Moodie Drive
Bells Corners, Ontario, Canada
Tel: (613) 829-5200
Telex: 013-3112

PRODUCTS:

ambient air fluoride analyser; mono-comparators; computer peripherals; alpha-graphic printer/plotter; CRT hard copy printer.

**LISLE INSTRUMENT SYSTEMS
LIMITED**

49 Sheffield Street
Toronto 385, Ontario, Canada
Tel: (416) 249-9151
Telex: 06-219664
Cable: LISLEINST

PRODUCTS:

electrolytic conductivity instruments and controls for industrial processing and consumer applications; includes monitoring, measuring and recording systems.

**LITTON SYSTEMS (CANADA)
LIMITED**

25 Cityview Drive
Rexdale, Ontario, Canada
Tel: (416) 249-1231
Telex: 02-2714
TWX: 610-492-2110
Cable: LITTCAN

PRODUCTS:

airborne inertial navigation systems; airborne area navigation systems; special purpose airborne computer systems; tactical data systems; special purpose commercial electronic control systems; air traffic

control and ground controlled interception training simulators; navigation training simulators and other special purpose training simulators; aerospace ground equipment; automatic, mobile, portable and factory test equipment; optical character recognition systems for data processing and postal automation systems.

**LORAIN PRODUCTS (CANADA)
LTD.**

122 Edward Street
St. Thomas, Ontario, Canada
Tel: (519) 631-0780
TWX: 610-356-6703

PRODUCTS:

ringing and tone equipment; inverters; DC to DC converters; PAX and PBX power units; power distribution control equipment and assemblies; static interrupters, ringing plants; test load units; test power supplies.

LUMONICS RESEARCH LIMITED

1755 Woodward Drive
Ottawa, Ontario, Canada
K2C 0P9
Tel: (613) 225-1606
Cable: LUMONICS

PRODUCTS:

high energy pulsed TEA CO₂ lasers for spectroscopy, materials research, propagation studies and plasma/fusion research; lasers operating with such gases as carbon monoxide, hydrogen fluoride, hydrogen bromide and deuterium fluoride.

M & K DEVELOPMENTS

P.O. Box 457
Rexdale, Ontario, Canada
Tel: (416) 749-3150

PRODUCTS:

traffic data acquisition and processing devices including loop vehicle detectors, count summators, multi-channel traffic counters/analyzers with computer-compatible punch tape output; solid-state signal flashers and transfer relays.

**MARSLAND ENGINEERING
LIMITED**

350 Weber Street North
Waterloo, Ontario, Canada
Tel: (519) 884-4510
Telex: 029-54440

PRODUCTS:

airport control equipment consisting of runway visual range computers, transmissometers, ceilometer, digital altimeter display system (DADS); automatic weather stations; analog-digital plotting computers; airborne recorders; airborne intercom systems (solid-state); training aids (simulators); special power supplies; public address equipment and systems; precision geared and electronic assemblies to customer specifications; teletypewriters; CATV products.

**MEASUREMENT ENGINEERING
Division of Canadian Stackpole
Ltd.**

6 John Street South
Arnprior, Ontario, Canada
Tel: (613) 623-4217

PRODUCTS:

dynamic ground detectors; leakage isolated power supplies; accessories for hospital electrical systems.

**MEGA SYSTEM DESIGN
LIMITED**

1766 Midland Avenue
Scarborough 732, Ontario, Canada
Tel: (416) 751-1935

PRODUCTS:

microwave industrial dryers; microwave moisture sensors; microwave special purpose applicator chambers; power supplies; custom designed electronic devices.

**METRIX MANUFACTURING
COMPANY LIMITED**

51 Sheffield Street
Toronto 385, Ontario, Canada
Tel: (416) 249-9153
Telex: 06-219664

PRODUCTS:

timing devices both electro-mechanical and electronic for industrial applications; electro-mechanical and mechanical assemblies; solid-state controls; relays; electrolytic conductivity instruments and cells; industrial control systems and hardware.

MODUDATA SYSTEMS LIMITED

P.O. Box 521
Willowdale, Ontario, Canada
Tel: (416) 222-2902

PRODUCTS:

time and frequency division multiplex systems; remote alarm indicator system (RAIS); remote pump failure alarm; intrusion alarm system; alarm status monitoring and supervisory control of multiple devices at remote locations.

MOTOROLA SUPERVISORY CONTROL, CANADA

3125 Steeles Avenue East
Willowdale, Ontario, Canada
Tel: (416) 499-1441
Telex: 02-29944
(CDNMOTOROLATOR)
TWX: 610-492-2713 (MOT TOR)

PRODUCTS:

supervisory and remote control systems; monitoring and alarm reporting systems; telemetering; status indication and annunciation systems.

MULTI-ELMAC OF CANADA LIMITED

Sydney Avenue, Devon Park
Windsor, Ontario, Canada
Tel: (519) 966-0162

PRODUCTS:

remote radio controls; radio controls for all security systems.

MULTI-VOX LTD.

9967 St-Michel Boulevard
Montreal 459, Quebec, Canada
Tel: (514) 321-3131

PRODUCTS:

intercommunication systems for commercial, industrial, educational and institutional applications; complete line of solid-state commercial amplifiers; sound columns; special purpose telephone systems.

McCURDY RADIO INDUSTRIES LIMITED

108 Carnforth Road
Toronto 16, Ontario, Canada
Tel: (416) 751-6262
Telex: 02-21660
Cable: MACMETAL

PRODUCTS:

complete broadcast audio line including solid-state consoles, production centers, components, packages and accessories; solid-state intercom systems; pre-wired jackfields; audio distribution systems; audio switchers, consoles, amplifiers and speaker units for educational systems.

McPHAR GEOPHYSICS LIMITED

139 Bond Avenue
Don Mills, Ontario, Canada
Tel: (416) 444-4451
Cable: MCPHAR TORONTO

PRODUCTS:

geophysical instruments for mineral exploration — variable frequency induced polarization equipment; fluxgate magnetometers; radiation spectrometers (ground and airborne); resistivity equipment; Afmag (ground and airborne); electromagnetic and induced polarization scale modelling systems; self-potential units; electromagnetic drill hole systems.

NASH & HARRISON LIMITED

P.O. Box 11220, Station H
Ottawa, Ontario, Canada
K2H 7V7
Tel: (613) 592-3520
Cable: AUTOMATION

PRODUCTS:

optical inspection and control systems for detecting dirt, discoloration, lumps, wrinkles, holes, coating skips and other defects in web or sheet material moving at speeds up to 1,800 m/m; hole and pin-hole detectors; splice alarms; press stopper detector systems; dirt counters; wrinkle detectors; spray markers; edge markers; crayon markers; hole punch markers; flaggers; marker pick-ups; marker control computers; rejection control computers; register control systems; transparency recorders; defect displays and recorders; digital multimeters; digital panel meters.

(THE) NATIONAL CASH REGISTER CO. OF CANADA LTD.

222 Lansdowne Avenue
Toronto 145, Ontario, Canada
Tel: (416) 537-1241
Telex: 02-21176
Cable: NACARECO

PRODUCTS:

banking and business machines; proofing and coding machines.

NATIONAL ELECTROLAB ASSOCIATES LTD.

1130 East 7th Avenue
Vancouver 12, British Columbia
Canada
Tel: (604) 879-9161
Telex: 04-54323
TWX: 610-929-1058

PRODUCTS:

AM broadcast RF amplifiers; high quality off-air receivers for AM broadcast industry; recorder controllers for monitoring of telephone signalling; oceanographic telemetry systems; broken wire detectors for aluminum rope stranding machines; engineering and installation services; design and manufacture of custom instruments and equipment; repair, overhaul and calibration of electrical and electronic instruments, test equipment meters, etc., for science, government and industry; electrical metrology lab for precise calibration.

NAUTICAL ELECTRONIC LABORATORIES LIMITED

Hackett's Cove
Halifax County, Nova Scotia
Canada
Tel: (902) 823-2233
Telex: 014-423552

PRODUCTS:

solid-state LF non-directional radio beacon systems for aeronautical and marine navigation with output powers up to 4 kW PEP; radio beacon monitor receivers; automatically tuned high efficiency antenna systems; solid-state broadcast transmitters; LF, MF and HF solid-state communications transmitters; VHF telemetry systems.

NEECO INDUSTRIES LTD.

Unit 11, 80 Galaxy Boulevard
Rexdale 605, Ontario, Canada
Tel: (416) 677-6430

PRODUCTS:

fire alarms; ground fault protectors; 12V fluorescent portable lights.

Electronic Equipment and Systems Section (Con't.)

J. M. NELSON ELECTRONICS LTD.

1305 Odium Drive
Vancouver 6, British Columbia
Canada
Tel: (604) 254-5148
Telex: 04-54521

PRODUCTS:

language laboratories and record players for educational institutions.

NORTHERN ELECTRIC COMPANY LIMITED

P.O. Box 6123
1600 Dorchester Boulevard West
Montreal, Quebec, Canada
Tel: (514) 931-5711
TWX: 610-421-3750
Cable: NORELCAN

PRODUCTS:

common control cross bar telephone switching exchanges; stored program electronic telephone switching exchanges; radio relay and coaxial transmission systems — long and short haul; light and heavy route multiplex; domestic satellite communications systems; private automatic and branch exchanges — cross bar and electronics; key telephone systems; business interphone systems; telephone sets — business and residential; hands free telephone sets; telephone head sets — light-weight and standard; coin telephone sets — box and panel; telephone booths; test equipment; connecting blocks; loading coils, filters; protectors; power plants; amplifiers; complete line of communications and power wires and cables.

NORTHERN RADIO MANUFACTURING CO. LIMITED

1950 Bank Street
Ottawa, Ontario, Canada
K1V 7Z8
Tel: (613) 733-4440
Telex: 053-4274

PRODUCTS:

data transmission systems and terminal equipment including high density time division multiplex systems; frequency division data transmission systems with speeds up to 600 baud; speech plus data systems; regenerative repeaters of all types; EIA to current loop converters; telemetering systems; automatic dialling units for data systems; electronic relays; universal sequential selec-

tors; 2/4 wire signalling adapters and terminating sets; low speed modems.

OMICRON DATA SYSTEMS LIMITED

4480 Côte de Liesse, Suite 310
Montreal 306, Quebec, Canada
Tel: (514) 733-7166
Cable: OMIDASYS

PRODUCTS:

telephone dial access radio paging systems; consulting services in data communications, digital computer systems, design and project management.

OWL INSTRUMENTS LTD.

4634 Yonge Street
Toronto, Ontario, Canada
Tel: (416) 223-3363

PRODUCTS:

medical electronics; fetal monitor; cordotomy system.

PHILIPS ELECTRONICS INDUSTRIES LTD.

116 Vanderhoof Avenue
Toronto 17, Ontario, Canada
Tel: (416) 425-5161
Telex: 06-22221
Cable: PHILIND TORONTO

PRODUCTS:

instrument landing systems; communications control equipment and systems; aeronautical nav aids; quartz frequency control crystals; TV and stereo hi-fi cabinets.

PHYSICO-MEDICAL SYSTEMS CORPORATION

9250 Park Avenue, Suite M-101
Montreal 354, Quebec, Canada
Tel: (514) 387-9676
Cable: PMSYSTEMS, MONTREAL

PRODUCTS:

biomedical electronics including electrical vesical stimulators, sphincter muscle stimulators, uroflowmeters, blockage detectors.

PICKER X-RAY MFG. LTD.

26 Victoria Crescent
Bramalea, Ontario, Canada
Tel: (416) 677-6880

PRODUCTS:

X-ray equipment of all kinds; breast X-ray systems; chest X-ray systems; and general automatic complete X-ray systems and equipment.

POLYTRONICS CO.

582 Bathurst Street
Toronto 4, Ontario, Canada
Tel: (416) 921-8767

PRODUCTS:

quality measurement and control instruments including precision wire wound resistors; decade boxes; voltage dividers; Wheatstone bridges; temperature controllers of high accuracy and stability; attenuators with essentially flat frequency responses from DC to 3 MHz.

POWERTRONIC EQUIPMENT LIMITED

125 Nantucket Boulevard
Scarborough, Ontario, Canada
Tel: (416) 757-5151
Telex: 02-29523

PRODUCTS:

DC power supplies, regulated and unregulated; communication type filtered battery chargers; battery chargers for industrial trucks and electric locomotives; electroplating rectifiers; line voltage regulators; chargers for engine starting batteries.

PYLON ELECTRONIC DEVELOPMENT COMPANY, LTD.

2300 Victoria Avenue
Lachine, Quebec, Canada
Tel: (514) 637-1186

PRODUCTS:

static power supplies; DC-DC converters; inverters; ringing and signalling supplies; fuse alarm and meter panels; battery eliminators; fixed coaxial attenuators and terminations; aluminum transit cases; digital clocks; programmers; data entry keyboard; special controls based on the digital technique; electronic trunk selectors for Cama application; specialized solid-state (switching) equipment for telephone office use; small solid-state satellite automatic exchange for telephone use.

QUINDAR PRODUCTS LIMITED

106 Rayette Road
Concord, Ontario, Canada
Tel: (416) 669-1272
Telex: 06-22864

PRODUCTS:

electronic equipment for remote control, supervision and telemetry; multiplexing systems; data modems; communication amplifiers, related equipment and accessories.

RCA LIMITED

Ste-Anne-de-Bellevue
Quebec, Canada
Tel: (514) 453-9000
Telex: 05-821572

PRODUCTS:

communications satellite earth stations for global and regional systems; Cassegrain antenna feed subsystem and ground communications subsystem for satellite earth stations; solid-state microwave radio relay systems (2, 4, 6 and 7 GHz); satellites for global and regional satellite systems and satellite subsystems — wideband transponders, command and telemetry transmitters and encoders/decoders antennas, ground check-out equipment; digital display systems; AM, FM and TV transmitters, broadcast and TV antenna systems and/or arrays, broadcast and TV studio facilities; photo sensors for research applications.

RACAL (CANADA) LTD.

1806 Woodward Drive
Ottawa, Ontario, Canada
K2C 0P7
Tel: (613) 225-4640
Telex: 053-4187

PRODUCTS:

HF radio communications systems and ancillary equipment; communications systems; engineering and maintenance services; digital frequency measuring equipment.

RADIO ENGINEERING PRODUCTS LIMITED

P.O. Box 460, Snowdon Station
Montreal 248, Quebec, Canada
Tel: (514) 731-3251
Telex: 05-25225
TWX: 610-421-3726
Cable: RADENPRO MONTREAL

PRODUCTS:

FDM telephone and telegraph multiplexers for radio and cable systems of from four to 612 channels; field telephones two and four-wire; VHF antennas and masts; cable assemblies and connectors; power supplies; voltage regulators; telegraph converters; and other accessory equipment.

RAPID DATA SYSTEMS & EQUIPMENT LTD.

129 Carlingview Drive
Rexdale, Ontario, Canada
Tel: (416) 678-1000
Telex: 02-21228
Cable: RAPIDATA

PRODUCTS:

pocket-size electronic calculators.

RAYCON INC.

218 Brunswick Boulevard
Pointe Claire 730, Quebec, Canada
Tel: (514) 695-7725

PRODUCTS:

industrial automation and control systems for basic industries such as steel, glass, paper and cement, using mini-computer control; materials handling control systems for conveyors, drag lines, stacker cranes, etc.; pipeline automation; general industrial control equipment using solid-state logic cards; three-mode temperature controllers; regulated power supplies and sine wave inverters.

RAYTHEON CANADA LIMITED

400 Phillip Street North
Waterloo, Ontario, Canada
Tel: (519) 885-0110
Telex: 029-5431
TWX: 610-365-3469
Cable: RAYCAN

PRODUCTS:

primary, secondary and weather radar systems; radar bright display equipment; symbol generating equipment; VHF omni-range, DME distance measuring equipment, instrument landing systems and other ground air traffic control navigation aids; analog and digital display and data processing equipment; radio relay equipment; specialized test

and measuring equipment; simulators and trainers; microwave communications equipment; printed circuit modules.

RESEARCH INDUSTRIES LIMITED

2779 Lake City Way
Burnaby 2, British Columbia
Canada
Tel: (604) 291-2385
Telex: 04-50758
TWX: 610-929-1063

PRODUCTS:

telephone power plants; battery eliminators; battery chargers; DC to DC converters; switching regulators; power supplies; DC to AC inverters; PABX power supplies; counter EMF cells.

RICHMOND HILL LABORATORIES LIMITED

1240 Ellesmere Road
Scarborough, Ontario, Canada
Tel: (416) 291-7921
Telex: 02-29803
Cable: RICHILL TORONTO

PRODUCTS:

PAL color synchronizing pulse generators; PAL color sub-carrier generators; monochrome and color generator and lock units; Uni-Pulse equipment; pulse and video distribution amplifiers; video test signal generators; VIT signal systems; color video program switchers; video/audio signal routing matrixes; special effects generators; digital cueing generator; video equalizing amplifiers; video clamping amplifiers; video processing amplifiers; master clock system driver.

ROCHESTER INSTRUMENT SYSTEMS OF CANADA LTD.

156 Ronald Drive
Montreal West, Quebec, Canada
Tel: (514) 484-9148
Telex: 01-20182

PRODUCTS:

solid-state visual annunciators; electronic trips and alarms; solid-state signal converters and transducers for processing industries and power utilities; temperature monitors.

RUSCOM LOGICS LIMITED

62 Alness Street
Downsview 463, Ontario, Canada
Tel: (416) 630-9470

PRODUCTS:

digitizers.

SANDER GEOPHYSICS LIMITED

1305 Richmond Road
Ottawa, Ontario, Canada
K2B 7Y2
Tel: (613) 829-1433

PRODUCTS:

nuclear proton precession magnetometers for mineral exploration and scientific studies; portable and airborne magnetometers; data logging equipment and analog or digital input; portable, battery operated, digital recording units; custom design of digital acquisition systems.

SCINTREX LIMITED

222 Snidercroft Road
Concord, Ontario, Canada
Tel: (416) 889-8990
Telex: 06-219674
Cable: SCINTREX TORONTO

PRODUCTS:

fluxgate and proton precession magnetometers for surface, drill hole observatory and airborne use; susceptibility meters for field and lab measurements; CG series quartz gravity meters for prospecting and geodetic surveys; electromagnetic prospecting systems including tilt-angle systems, moving source and fixed source compensation systems; drill hole electromagnetic compensator systems; helicopter and fixed wing electromagnetic systems; pulse type induced polarization systems; integral and differential gamma-ray spectrometers for ground and airborne applications; AC and DC resistivity equipment; instruments for non-destructive analysis of geologic and industrial materials — analog digital conversion and digital recording systems; field portable digital test equipment; headphones for industrial, educational and recreational applications; services — geophysical consultations; surface, drill hole and airborne surveys; natural resources inventory studies.

SIMTEC INDUSTRIES LTD.

3400 Metropolitan Boulevard East
Montreal 38, Quebec, Canada
Tel: (514) 728-4527
Cable: SIMATOM MONTREAL

PRODUCTS:

nuclear detectors and associated electronic instrumentation; total nuclear instrumentation systems capability; health physics equipment; aerial gamma-ray monitors; reactor power monitoring systems; nuclear blood flow monitoring systems; control panels and custom-made electronic and electro-mechanical devices; electronic counters for batch control and similar industrial uses; brake fluid testers; artificial kidney controllers; Hy-Je spectrometers; four-channel radioisotope tracer systems; cadmium telleride medical probes; film thickness gauges; gas chromatographs; medical automatic sampling equipment; density profiling radioactive snow gauges.

SINCLAIR RADIO LABORATORIES LIMITED

122 Rayette Road
Maple, Ontario, Canada
Tel: (416) 889-8800

PRODUCTS:

antennas and filters for radio communications; auto-tuned filters, multi-couplers and antenna matching couplers; special antennas and filter systems for airports; police traffic radar; radar devices for measuring speeds of trains, ships, aircraft; microwave devices for intrusion alarms; laser voice communications systems; laser video surveillance systems.

SPACE RESEARCH CORPORATION

2055 Peel Street, Suite 650
Montreal 110, Quebec, Canada
Tel: (514) 288-8174

PRODUCTS:

simulators for air traffic control and radar training purposes.

SPAR AEROSPACE PRODUCTS LIMITED

825 Caledonia Road
Toronto 395, Ontario, Canada
Tel: (416) 783-6171
Telex: 02-2054
Cable: SPARCAL TOR

PRODUCTS:

satellite subsystems including attitude control systems, deployable solar cell array power generating systems, solar array drives, tracking and power transfer system; extendible antennas and structures for spacecraft; infrared acquisition systems; electro-optical systems for remote sensing; static power conditioning equipment; portable fire detector (Hotspotter); mobile X-ray equipment.

SPARTON OF CANADA, LIMITED

P.O. Box 5125
100 Elm Street
London, Ontario, Canada
Tel: (519) 445-6320
Cable: SPARTON

PRODUCTS:

sonobuoy transmitters and associated equipment.

SPILSBURY & TINDALL LTD.

120 East Cordova Street
Vancouver 4, British Columbia
Canada
Tel: (604) 684-4131
Telex: 04-55482
Cable: SPILTIN VANCOUVER

PRODUCTS:

HF SSB fixed portable mobile marine and aircraft radiotelephone equipment; LF non-directional radio beacons and beacon antennas; specialized HF antennas and antenna tuning units for service on land, sea and air.

STARK ELECTRONIC INSTRUMENTS LIMITED

180 Station Street
Ajax, Ontario, Canada
Tel: (416) 942-2120
Telex: 06-981298
Cable: STARKEKX TORONTO

PRODUCTS:

general purpose electronic test equipment and power supplies including vacuum tube voltmeters, tube testers, oscilloscopes, audio generators, resistance decade boxes, capacitance decade boxes; Stark Teaching Systems — a breadboarding method of teaching electricity and electronics.

STATICON LTD.

2220 Midland Avenue
Scarborough, Ontario, Canada
Tel: (416) 291-3723
Telex: 06-217606

PRODUCTS:

high-reliability solid-state control systems; no-break AC and DC power conversion equipment; regulated rectifiers; inverters and converters; continuous AC UPS systems; rectifier stacks.

SUBCOM SYSTEMS LTD.

153 Riverside Drive
North Vancouver, British Columbia
Canada
Tel: (604) 929-1258

PRODUCTS:

wired and wireless diver communications equipment; wireless communications equipment for use with submersibles or surface vessels; diver decompression chamber communications equipment; pingers, pinger receivers and pinger tracking systems; submersible navigation systems.

T-SCAN LIMITED

34 Continental Place
Scarborough, Ontario, Canada
Tel: (416) 291-7992

PRODUCTS:

time shared-transaction oriented mark sense data terminals.

TMC (CANADA) LIMITED

R.R. No. 5
Ottawa, Ontario, Canada
K1G 3N3
Tel: (613) 822-0244
Telex: 053-4146
Cable: TEPEI OTTAWA

PRODUCTS:

complete communications systems and engineering services; VLF through HF transmitters and receivers; interactive and intelligent CRT data terminals, public information displays, color, airborne and high speed displays, code converters; all auxiliary devices for complete communications systems; specialists in antenna multi-couplers and SSB equipment; antenna distribution systems; no-break power supplies; communications vans and packages; solid-state products.

**TAYLOR INSTRUMENT
COMPANIES OF CANADA
LIMITED**

75 Tycos Drive
Toronto 19, Ontario, Canada
Tel: (416) 787-1651
Telex: 02-21144
Cable: TYCOS TOR

PRODUCTS:

electronic automatic control instruments and control systems for the process industries — pulp and paper, mining, textile and food, petroleum, gas pipelines, etc. — including computer operated installation or computer compatibility; control centers, fully engineered to customers' requirements and operating procedures; gauges, indicators, recorders, controllers for temperatures, pressures, flow, specific gravity and other process variables; installation, contract, construction and systems engineering.

**TECHCAL ELECTRONIC
SERVICES LTD.**

2346 Spruce Street
Vancouver 9, British Columbia
Canada
Tel: (604) 736-7471

PRODUCTS:

propagation incident recorders (microwave testing instruments); data acquisition systems; digital integration systems; CAMAC modules (nuclear computer data handling equipment); automated lumber tally systems; consultant services in mini-computers and process control applications; power supplies.

TELE-RADIO SYSTEMS LIMITED

301 Supertest Road
Downsview, Ontario, Canada
Tel: (416) 661-3221
TWX: 610-492-2384

PRODUCTS:

supervisory control systems; telemetering systems; fault alarm systems (microwave, etc.); data logging systems; telephone signalling equipment; telephone traffic registers; custom communication apparatus; telephone test equipment; power system protective devices (under-frequency relays, battery ground fault detectors).

TELEVOX SYSTEMS INC.

215 Caron Street
Quebec 2, Quebec, Canada
Tel: (418) 522-3851

PRODUCTS:

intercom systems; educational systems — manual and automatic; hospital nurses' call systems — manual and automatic; public address systems; intercom amplifiers; program amplifiers; mixing preamplifiers; voice-switching intercom amplifier; private automatic exchange (crossbar type).

**TOWER COMMUNICATIONS CO.
(CANADA) LIMITED**

P.O. Box 1011
375 Lee Street
Quebec, Quebec, Canada
Tel: (418) 524-5221

PRODUCTS:

custom designed structural steel towers (guyed and self-supporting) for commercial use on TV, FM, AM, HF, LF and VHF systems (heights in excess of 1,000 feet also available). Services — engineering, supply and installation of towers and associated foundations, antennas, etc.

**TRANSCOM ELECTRONICS
MANUFACTURING LTD.**

239 Belanger Street
St. Jerome, Quebec, Canada
Tel: (514) 438-1060

PRODUCTS:

negative impedance type voice frequency repeaters (telephone industry application — toll and extended area service, long subscriber loop service, special services); loop signalling extenders (for extension of telephone central office subscriber loop limits to 1,800 ohms); booster power modules (for extension of telephone central office subscriber loop limits to 3,000 ohms); bridge lifters; impedance compensators; fuse and alarm panels.

UNELCO LTD.

103 Gun Street
Pointe Claire 730, Quebec, Canada
Tel: (514) 697-1240

PRODUCTS:

power supplies and distribution systems for electrical, electronics, physics, chemistry and other scientific

laboratories; instructional equipment to teach and demonstrate electricity and electronics.

UNITRON INDUSTRIES LTD.
685 Wabanaki Drive
Kitchener, Ontario, Canada
Tel: (519) 578-5500

PRODUCTS:

hearing aids (behind-the-ear, eye-glass and body types), available as standard, compression and automatic linear compression; test equipment for audio-electronics.

VALERIOTE ELECTRONICS (GUELPH) LTD.

P.O. Box 603
Guelph, Ontario, Canada
Tel: (519) 824-3220

PRODUCTS:

modules; splitter panels; power supplies amplifiers; communications equipment; antennas; fiberglass whip antennas, mobile, marine and fixed; electronic assembly work.

VERREX ADVANCED SYSTEMS LTD.

P.O. Box 837
Saskatoon, Saskatchewan, Canada
S7K 3L7
Tel: (306) 652-6886

PRODUCTS:

supervisory controls, solid-state annunciator modules; communications voice scramblers; data acquisition systems for oil and gas industry; process control systems; computer automation equipment.

VICKERS UMAC
Division of Sperry Rand
2500 Trans-Canada Highway
Pointe Claire 730
Montreal, Quebec, Canada
Tel: (514) 695-7870
Telex: 05-268583

PRODUCTS:

two and three axis, point-to-point numerical control system with two axis linear and circular interpolation; two, three and four axis point-to-point numerical control system with two axis plane switchable linear and circular interpolation; position readout systems; programmable controllers.

VISCOUNT VIDEO SYSTEMS LTD.

Marine Industrial Centre
105 East 69th Avenue
Vancouver 15, British Columbia
Canada
Tel: (604) 327-9446
Telex: 04-508605
Cable: VISCVAN

PRODUCTS:

video and audio programmers and production switchers; video and audio mechanical switching systems; solid-state video and audio switchers and routing systems for educational television; community antenna television and broadcast stations; digital switching systems.

VITEC COMMUNICATIONS LTD.

9721 Côte de Liesse Road
Montreal 760, Quebec, Canada
Tel: (514) 631-9884
Cable: VITECOM MONTREAL

PRODUCTS:

television systems; supervisory control and telemetry systems; courtroom recording systems.

WESTINGHOUSE CANADA LIMITED

International Sales Division
P.O. Box 510
Hamilton, Ontario, Canada
Tel: (416) 528-8811
Telex: 02-1655
TWX: 610-371-0246
Cable: WESTCAN HAMILTON

PRODUCTS:

digital computer equipment for process information and control systems; special and linear monolithic integrated circuits; digital to video information display systems, graphical medical displays; line tracing systems for automatic contour control of gas and plasma cutting machines, nibbling and routing machines; sonar and radar systems; radar test equipment, airborne and ground; steered stabilized platforms for TV, film and electronic surveillance devices; satellite ground station sub-systems; electronic assembly sub-contract manufacturing and development services; technical writing, cataloguing and illustrating services.

WHITE ELECTRONIC DEVELOPMENT CORPORATION (1966) LIMITED

3041 Universal Drive
Mississauga, Ontario, Canada
Tel: (416) 625-5400
Telex: 06-961334

PRODUCTS:

language laboratories; tape decks.

components section

AEROVOX CANADA LIMITED

P.O. Box 36
Amherst, Nova Scotia, Canada
Tel: (902) 667-3886
TWX: 610-272-4465

PRODUCTS:

fixed capacitors-oil.

ALMAX CERAMIC INDUSTRIES LTD.

31 Kent Street East
Lindsay, Ontario, Canada
Tel: (705) 324-5100

PRODUCTS:

piezoelectric ceramic elements; co-precipitation of electronic ceramic raw powders such as lead zirconate, lead titanate; compositions made up to meet special requirements.

AMPHENOL CANADA LIMITED

44 Metropolitan Road
Scarborough, Ontario, Canada
Tel: (416) 291-4401
TWX: 610-492-4379

PRODUCTS:

filtered power connectors; printed circuit connectors; power connectors; RF cable; CATV cables and connectors; RF connectors; miniaturization of connectors; bracket panel connectors; DK whip antenna (mobile communications); precision potentiometers, trimmers, variable resistors; tool room equipped to rework connectors and for prototype work; tube sockets; telephone components; customized cable harnesses.

ANRO ELECTRONIC INDUSTRIES LTD.

300 Wildcat Road
Downsview, Ontario, Canada
Tel: (416) 661-2607

PRODUCTS:

relays; solenoids; toroids; potted RF transformers; timers; various custom electronic components.

ARROW-HART OF CANADA LTD.

81 Industry Street
Toronto 337, Ontario, Canada
Tel: (416) 762-1101
Telex: 06-217824

PRODUCTS:

illuminated push button stations and pilot lights; low power relays and contactors; specialty switches including tumbler and rotary types; industrial wiring devices.

AUDIO MAGNETICS CORPORATION OF CANADA LTD.

P.O. Box 902, Station U
800 Islington Avenue South
Toronto 18, Ontario, Canada
Tel: (416) 252-3531
Telex: 02-29843

PRODUCTS:

complete line of magnetic tape products — cassettes; eight-track cartridges; reel to reel.

AUSTIN INSULATOR DIVISION

Decca Radar Canada (1967) Limited
23 Six Point Road
Toronto 18, Ontario, Canada
Tel: (416) 239-1161
Telex: 02-2098
Cable: DECRADAR TORONTO

PRODUCTS:

radio mast base insulators; radio mast guy insulators; lighting isolation transformers.

AUDIO TRANSFORMER COMPANY LIMITED

P.O. Box 220
202 Regina Street North
Waterloo, Ontario, Canada
Tel: (519) 743-4351

PRODUCTS:

laminated iron core transformers.

AUTOMATIC COIL MANUFACTURING LTD.

50 Wingold Avenue
Toronto 19, Ontario, Canada
Tel: (416) 781-6174
Telex: 02-2319
Cable: ANCHOR

PRODUCTS:

snap-around volt-ohm-ammeters; miniature strip chart recorders, voltage testers; TV deflection components — yokes and horizontal output transformers.

AUTOMATIC ELECTRIC (CANADA) LIMITED

100 Strowger Boulevard
Brockville, Ontario, Canada
Tel: (613) 342-6621
Telex: 026-3532
TWX: 610-525-1061
Cable: GENTELINT BROCKVILLE

PRODUCTS:

telephone dials; telephone arresters and protectors; loading coils; flex-core transformer; industrial relays and switches; telephone relays; printed wiring cards and assemblies; pole line hardware and cable splicing materials.

AUTOMATIC WINDING CORP. LTD.

300 Wildcat Road
Downsview, Ontario, Canada
Tel: (416) 661-2600

PRODUCTS:

RF and IF transformers; radio oscillators; chokes; peaking coils; convergence coils.

AVIONICS LIMITED

P.O. Box 200
Niagara-on-the-Lake, Ontario
Canada
Tel: (416) 468-3632

PRODUCTS:

printed circuit boards; terminal boards; silk screening and precious metal plating; thermo-electric cooling elements; designs and assemblies circuit boards to customer specifications.

BAYLY ENGINEERING LIMITED

120 Hunt Street
Ajax, Ontario, Canada
Tel: (416) 925-2126
Telex: 02-2831

PRODUCTS:

electric filters and equalizers; telephone jacks.

BEAMA (1969) LIMITED

5 Kenhar Drive
Weston, Ontario, Canada
Tel: (416) 749-3074

PRODUCTS:

speaker baffles and enclosures; sheet metal cabinets, consoles, racks, chassis — in all ranges and sizes for the electronic and electrical industries.

BOSTON INSULATED WIRE AND CABLE COMPANY, LIMITED

118 Shaw Street
Hamilton, Ontario, Canada
Tel: (416) 529-7151
Telex: 021-684
Cable: BOSWIRELTD

PRODUCTS:

television camera cables, connectors, and terminated assemblies; custom multiconductor combination cables for space communication, ground station, geodetic survey, commercial and military radar applications; radiation resistant cables; underwater cables and molded assemblies for ASW and oceanographic applications.

BOWMAR CANADA LIMITED

1267 Algoma Road
Ottawa, Ontario, Canada
K1B 3W7
Tel: (613) 746-3100
TWX: 610-562-1916

PRODUCTS:

solid-state light emitting device research, development and production for applications such as alphanumeric displays, film and paper annotation, failure warning and integral lighting lamps and card and tape readers; light emitting diodes (solid-state displays).

BURNDY CANADA LTD.

1530 Birchmount Road
Scarborough, Ontario, Canada
Tel: (416) 757-8761
Telex: 02-2343

PRODUCTS:

single and multi-contact electronic connectors including compression terminals, miniature round, rack and panel and printed circuit connectors for standard and coaxial conductors; matched installation tooling, both hand and automatic.

**CANADA WIRE AND CABLE COMPANY LIMITED
Export Department**

147 Laird Drive
Toronto 17, Ontario, Canada
Tel: (416) 421-0440
Telex: 02-2260
Cable: CANWIRCO

PRODUCTS:

magnet wires, film insulated, fiber covered; communications and electronics wires and cables; Alucel cables, high frequency cables; hook-up wires; Teflon wires; coil lead wires; electrical wires and cables.

CANADIAN ASTATIC LIMITED

1820 Ellesmere Road
Scarborough, Ontario, Canada
Tel: (416) 291-6284

PRODUCTS:

microphones; phono cartridges; phono needles and tone arms.

CANADIAN MARCONI COMPANY

2442 Trenton Avenue
Montreal 301, Quebec, Canada
Tel: (514) 343-3411
Telex: 01-2260
TWX: 610-421-3564

PRODUCTS:

multilayer printed circuit boards; hybrid microcircuits; four terminal networks; AF and RF filters, chokes and transformers; power transformers.

CANADIAN RESEARCH INSTITUTE

85 Curlew Drive
Don Mills, Ontario, Canada
Tel: (416) 445-6363

PRODUCTS:

precision wire wound resistors; panel meters; contactless contact meters; modular power supplies; printed circuit assemblies (plug-in, modular and encapsulated); current transformers; shunts, rheostats (carbon pile).

CANADIAN STACKPOLE LIMITED

550 Evans Avenue
Toronto 14, Ontario, Canada
Tel: (416) 255-2373
TWX: 610-492-2565

PRODUCTS:

fixed composition resistors; carbon products; powder metal parts.

CAPACITORS OF CANADA (1968) LIMITED

40 Upton Road
Scarborough, Ontario, Canada
Tel: (416) 755-2216

PRODUCTS:

miniature flat Mylar dielectric capacitors; paper ceramic case tubular capacitors; Mylar dipped capacitors; Mylar paper dipped capacitors; printed circuit Mylar capacitors.

CENTRALAB CANADA LIMITED

106 McMaster Avenue
Ajax, Ontario, Canada
Tel: (416) 925-4124
TWX: 610-384-2812

PRODUCTS:

ceramic disc capacitor; rotary switches; variable potentiometers; packaged electronic circuits.

CERCAST INC.

3905 Industrial Street
Montreal North 459, Quebec
Canada
Tel: (514) 322-2371

PRODUCTS:

precision investment castings of non-ferrous alloys.

**CLARE C. P. OF CANADA LTD.
A Division of General Instrument
of Canada Ltd.**

61 Industry Road
Toronto 15, Ontario, Canada
Tel: (416) 762-8154
Telex: 02-29478

PRODUCTS:

cable harness.

**COLLBEN MANUFACTURING
COMPANY
Division of Reform Products Ltd.**

5 Thorpe Street
Dundas, Ontario, Canada
Tel: (416) 628-6913

PRODUCTS:

TV, FM, amateur and commercial antennas; TV trailer antenna kit.

COLUMBIA RESEARCH LTD.

120 East Cordova Street
Vancouver 4, British Columbia
Canada
Tel: (604) 684-0621
Cable: KRISTLS

PRODUCTS:

quartz crystals in frequency range
1 MHz to 150 MHz.

**CONSTANTA CO. OF CANADA
LTD., THE**

280 Regina Avenue
Montreal 203, Quebec, Canada
Tel: (514) 766-8569
Cable: KONSTANTA

PRODUCTS:

precision film resistors including
deposited carbon, metal, high volt-
age, high frequency and microwave;
ultra low ohm ribbon resistors; resis-
tor networks; temperature sensors.

CRAMCO SOLDER ALLOYS

80 Sinnott Road
Scarborough, Ontario, Canada
Tel: (416) 757-2876

PRODUCTS

perfect, tiny spheres of solder; high
purity solders; fluxes.

CROVEN LTD.

500 Beach Street
Whitby, Ontario, Canada
Tel: (416) 668-3325
TWX: 610-384-2750

PRODUCTS:

quartz crystals; crystal filters; crystal
oscillators; magnetic circuit
breakers.

CTS OF CANADA LIMITED

P.O. Box 280
80 Thomas Street
Streetsville, Ontario, Canada
Tel: (416) 826-1141
Cable: INDELEC

PRODUCTS:

variable resistors; selector switches;
trimming potentiometers; crystals;
filters; photo-electric controls; rec-
tifiers; inverters; microminiature
components and circuit packages.

**DALE ELECTRONICS
CANADA LTD.**

18 Howden Road
Scarborough, Ontario, Canada
Tel: (416) 759-5631
TWX: 610-492-1381
Cable: DALOHM

PRODUCTS:

resistors — precision wire wounds,
industrial wire wounds (fixed and
adjustable with silicone or vitreous
enamel coatings); trimmer and pre-
cision potentiometers; connectors;
wire wound packaged networks.

DARCY J. H. LIMITED

Merrickville, Ontario, Canada
Tel: (613) 269-4956

PRODUCTS:

relays; solenoids; electronic timing
devices; terminal boards; switches-
snap; communication and control
sub-assemblies.

**DECOR METAL PRODUCTS
LIMITED**

1 Bay Street East
Midland, Ontario, Canada
Tel: (705) 526-5451

PRODUCTS:

extruders of aluminum trim and heat
sinks; designers and manufacturers
of anodized or painted decorative
extruded and sheet aluminum trim.

DESITRON COMPANY LIMITED

3135 Universal Drive
Mississauga, Ontario, Canada
Tel: (416) 625-4605

PRODUCTS:

microwave products for marine and
communication purposes; isolators;
circulators; switches; flanges; stan-
dard plumbing; thick and thin film
hybrid microcircuits.

DIGITAL COMPONENTS LIMITED

5 Fairview Mall Drive, Suite 280
Willowdale, Ontario, Canada
Tel: (416) 493-6804

PRODUCTS:

industrial micro-machined parts for
consumer, electronic, automotive
industries; hybrid connector and
other hybrid devices including point-
to-point wiring systems for computer

industry; digital telemetry; ultra min-
iature connectors.

**DUPLATE CANADA LIMITED
Ceramics Division**

50 St. Clair Avenue West
Toronto 7, Ontario, Canada
Tel: (416) 923-5441

PRODUCTS:

thin film ceramic substrates.

**EASTERN WIRE AND CONDUITS
LIMITED**

266 Rexdale Boulevard
Rexdale, Ontario, Canada
Tel: (416) 248-6291
Telex: 02-21618
Cable: INDUSTRIAD

PRODUCTS:

flexible electric conduits.

**ELCO CONNECTORS (CANADA)
LTD.**

32 Mobile Drive
Toronto 16, Ontario, Canada
Tel: (416) 752-1800
TWX: 610-492-1398
Cable: CANELCO

PRODUCTS:

electronic connectors; card edge
connectors; back panel assemblies.

ELECTRONIC CRAFTSMEN

73 Schaefer Street
Waterloo, Ontario, Canada
Tel: (519) 884-2210

PRODUCTS:

electrical and electronic coils and
transformers; these components are
encapsulated by liquid epoxy casting
or transfer molding with epoxy
powder.

ELECTRONIC ILLUMINATION LTD.

2220 Midland Avenue
Agincourt, Ontario, Canada
Tel: (416) 291-9252

PRODUCTS:

edge-lighted panels and dials to
meet MIL-P-7788D military specifi-
cations; precision machining of plas-
tics; finishing, photo processing and
silk screening.

EL-MET PARTS LTD.

47 Head Street
Dundas, Ontario, Canada
Tel: (416) 628-6366
Telex: 021-8207

PRODUCTS:

cold rolled, silicon and nickel steel laminations for electromagnetic devices such as motor laminations, fluorescence and mercury ballast laminations and E&I laminations; distributed gap wound cores; C-cores; toroids; shielding materials, allied products and specialty magnetic annealing and hydrogen annealing.

EPITEK ELECTRONICS LTD.

19-10 Grenfell Crescent
Ottawa, Ontario, Canada
K2G 0G3
Tel: (613) 825-3911

PRODUCTS:

custom thick film hybrid microcircuits; epichip microcircuit kit voltage regulators; audio amplifiers.

ERIE TECHNOLOGICAL PRODUCTS OF CANADA LIMITED

5 Fraser Avenue
Trenton, Ontario, Canada
Tel: (613) 392-2581
Telex: 06-62242

PRODUCTS:

ceramic capacitors — disc; EMI suppression filters — low pass; AC power line low pass filters; custom design low pass filters; high voltage rectifiers; full wave bridge rectifiers; high voltage multipliers; high voltage power supplies.

ESE LIMITED

1780 Albion Road
Rexdale, Ontario, Canada
Tel: (416) 749-2271

PRODUCTS:

equalizers, delay and amplitude; filters, audio frequency-passive or active.

ESNA LIMITED

P.O. Box 250
10 Esna Park Drive
Agincourt, Ontario, Canada
Tel: (416) 291-6251
Telex: 02-21671

PRODUCTS:

relays — electro-pneumatic and solid-state time delay, general purpose, power, reed; stepping switches with time delay; counters; fluidic time delay; fluid power time delay.

FABRICON MANUFACTURING LIMITED

107 Ragg Street
Trenton, Ontario, Canada
Tel: (613) 392-1291

PRODUCTS:

communication and electronic cables; high frequency cables; interphone cable; coaxial cable; hookup wire-thermoplastic crosslink, polyethylene and crosslink vinyl electrical wire and cable.

FARADAY (CANADA) LIMITED

Lumomatic Division
56 Shaft Road
Rexdale, Ontario, Canada
Tel: (416) 241-8689
Telex: 06-965817

PRODUCTS:

photoelectric (light sensitive) switches; relays, magnetic and thermal.

FERRANTI-PACKARD LIMITED

121 Industry Street
Toronto 15, Ontario, Canada
Tel: (416) 762-3661
TWX: 610-491-1434

PRODUCTS:

status indicators; electromagnetic display modules, 2.7, 4.1, 12 and 18 inch character height (5x7 dot matrix); one inch high 7 bar electromagnetic display modules.

FERRITRONICS LIMITED

222 Newkirk Road
Richmond Hill, Ontario, Canada
Tel: (416) 889-7313

PRODUCTS:

high quality electric wave filters — active and passive from 1 Hz to 100 MHz; tone systems — encoders and decoders from 60 Hz to 10 kHz; wide band and pulse transformers for applications from 50 Hz to 100 MHz; double balanced mixers up to 100 MHz; precision indicators — ferrite and toroid.

GARRETT MANUFACTURING LIMITED

255 Attwell Drive
Rexdale, Ontario, Canada
Tel: (416) 677-1410
TWX: 610-492-4352

PRODUCTS:

standard and custom designed hybrid microcircuits (thick and thin film); precision resistor ladder networks; discrete and decade resistor dice; resistor wafers; resistor arrays for hybrid circuits; multilayer ceramic circuit boards.

GELECO ELECTRONICS LTD.

Unit 43, 2 Thorncliffe Park Drive
Toronto 17, Ontario, Canada
Tel: (416) 421-5631

PRODUCTS:

RF edgewound coils; RF tube coils; RF contactors; tower lighting chokes; lightning chokes; MMB heavy duty switches; plug-in meter inserts; phase sampling loops; complete antenna tuning and phasing equipment; broadcast antenna and studio design.

GENERAL INSTRUMENT OF CANADA LTD.

151 Weber Street South
Waterloo, Ontario, Canada
Tel: (519) 744-8101
TWX: 610-365-3415

PRODUCTS:

IF and RF transformers; auto radio tuners; deflection components; stereophonic AM-FM chassis; electro-mechanical sub-assembly work on a sub or prime contract basis; solid-state speed controls.

GENERAL MAGNETIC PRODUCTS OF HAWKESBURY LIMITED

P.O. Box 188
140 John Street
Hawkesbury, Ontario, Canada
Tel: (613) 632-2755
TWX: 610-423-1994

PRODUCTS:

custom manufactured AF, IF and RF coils; toroids; solenoids; VHF coils; open shielded, molded and encapsulated coils; transformers; chokes.

GENERAL PRECISION INDUSTRIES LTD.

455 Craig Street West
Montreal 126, Quebec, Canada
Tel: (514) 866-8395
TWX: 610-532-6561
Cable: BOPHAR

PRODUCTS:

decade switches; frequency synthesizers.

GRAPHICO PRECISION WORKS LTD.

1100 Bellamy Road North
Scarborough, Ontario, Canada
Tel: (416) 293-8266
TWX: 610-492-4371

PRODUCTS:

printed circuit boards; terminal boards; photo-etched panels, dials and pointers; metal and plastic components; precision fabricated sheet metal parts; laminated heater strips; electro-formed parts; chemically milled parts; PC boards to military specifications; flexible PC boards; multi-layer PC boards. Services: silk screen processing; photo-etching; epoxy resin casting and encapsulating; engraving; profiling; chemical milling; plating; metal finishing; product engineering.

HAMILTON ENGRAVING COMPANY LTD.

P.O. Box 181, Station B
24 Clark Street
Hamilton, Ontario, Canada
Tel: (416) 527-0718

PRODUCTS:

design of printed circuit boards; printed circuit boards; specialty plating — precious metals; machine engraving.

HAMMOND MANUFACTURING COMPANY LIMITED

394 Edinburgh Road North
Guelph, Ontario, Canada
Tel: (519) 822-2960
Telex: 0295-6523

PRODUCTS:

transformers; chokes; saturable reactors; magnetic amplifiers; toroidal devices; sheet metal cabinets, consoles, cubicles, racks, chassis — in all ranges and sizes for the electronics and electrical industries.

HARPER OAK LTD.

P.O. Box 100
155 Edward Street
Aurora, Ontario, Canada
Tel: (416) 727-3191
Telex: 06-217890

PRODUCTS:

rotary switches, electrical and electronic; thermostats and infinite energy regulators.

HYLOGIC LTD.

9509 Cote de Liesse Road
Dorval 760, Quebec, Canada
Tel: (514) 631-9876

PRODUCTS:

printed circuit boards; electromechanical subassemblies.

**ITT CANNON ELECTRIC CANADA
A Division of ITT Canada Limited**

160 Bartley Drive
Toronto 16, Ontario, Canada
Tel: (416) 751-5440
Telex: 02-2250

PRODUCTS:

multi-contact connectors for commercial, industrial, military and aircraft use.

ITT GREMAR CONNECTORS CANADA

A Division of ITT Canada Ltd.

23 Racine Road
Rexdale, Ontario, Canada
Tel: (416) 247-5351

PRODUCTS:

electrical connectors for CATV applications; radio frequency connectors.

JARRY ELECTRONICS LIMITED

305 Laurier Street
Hawkesbury, Ontario, Canada
Tel: (613) 632-2751
TWX: 610-423-1990

PRODUCTS:

IF and RF coils; pulse transformers; toroidal audio transformers; filters; reed relays; ultra-fine insulated magnet wire.

KRAMER MAGNETICS LIMITED

1072 Rangeview Road
Port Credit, Ontario, Canada
Tel: (416) 278-9851

PRODUCTS:

audio magnetic recording tape.

LAKE ENGINEERING CO. LIMITED

123 Manville Road
Scarborough, Ontario, Canada
Tel: (416) 751-5980
Telex: 02-2684

PRODUCTS:

design of printed circuit boards; precision printed circuits; terminal boards; precision electro-plating; electro-forming.

LINDSAY SPECIALTY PRODUCTS LTD.

50 Mary Street West
Lindsay, Ontario, Canada
Tel: (705) 324-2196

PRODUCTS:

VHF and UHF domestic and CATV antennas; CATV line splitters and couplers; CATV directional multi-taps; complete line of CATV passive devices including matching transformers; printed circuit connectors.

MAGNA ELECTRONICS CORPORATION LIMITED

1480 Birchmount Road
Scarborough, Ontario, Canada
Tel: (416) 757-2881

PRODUCTS:

precision gears; precision machined mechanical components; aluminum dipped brazed components; heat exchangers; welded components; beryllium precision machined components; precision sheet metal chassis and components fabricated from aluminum, magnesium or steel; deep drawn components; anodizing and chemical film for aluminum and magnesium; spray painting to military specifications.

MAGNETIC METALS OF CANADA LIMITED

P.O. Box 1114
10 Spalding Drive
Brantford, Ontario, Canada
Tel: (519) 753-8675
TWX: 610-379-0107

PRODUCTS:

silicon and nickel transformer

laminations; motor laminations; distributed gap cores; custom heat-treating.

MALLORY BATTERY COMPANY OF CANADA LIMITED

2333 North Sheridan Way
Sheridan Park, Ontario, Canada
Tel: (416) 274-2361

PRODUCTS:

batteries — Duracell mercury rechargeable — Duracell alkaline.

MICRO-COM ELECTRONICS LTD.

P.O. Box 39
802 Park Avenue
Beausejour, Manitoba, Canada
Tel: (204) 268-2574

PRODUCTS:

cordless microphones and systems; X-line solid-state modules for hobby and educational purposes.

MICROSYSTEMS INTERNATIONAL LIMITED

800 Dorchester Boulevard West
Montreal 101, Quebec, Canada
Tel: (514) 875-2814
Telex: 610-421-4647

PRODUCTS:

high rel. transistors and diodes; bipolar and digital ICS; MOS LSI silicon gate — RAM's, ROM's, shift registers; bipolar memories — RAM's, ROM's, RON's; cross point switches; gallium phosphide LEDs; hybrid microelectronic subsystems — thin and thick film.

MICROWAVE INSTRUMENTS AND COMPONENTS INC.

6600-6610 Bombardier Street
Montreal 458, Quebec, Canada
Tel: (514) 321-3680
TWX: 610-421-3301

PRODUCTS:

precision waveguide components; band pass and low pass filters, precision electroformed components.

MULTI-STATE DEVICES LTD.

1330 South Service Road
Trans-Canada Highway
Dorval 70, Quebec, Canada
Tel: (514) 683-6331
Telex: 05-25160 SEI MTL

PRODUCTS:

solid-state relays; solid-state circuit breakers; circuit overload protectors; thermal sensors; solid-state liquid level control systems.

NATIONAL SEMICONDUCTORS LIMITED

2150 Ward Street
Montreal 378, Quebec, Canada
Tel: (514) 744-5507
Cable: NATSEMICO

PRODUCTS:

cadmium sulphide photoconductive cells; cadmium selenide photoconductive cells; silicon photodiodes; photocell lamp assemblies; special photoelectric transducers; silicon phototransistors; photoelectric arrays.

NEOSID (CANADA) LIMITED

10 Vansco Road
Toronto 18, Ontario, Canada
Tel: (416) 251-2831
Cable: NEOSID

PRODUCTS:

electronic powdered iron and ferrite core components; microwave materials.

NORTHERN ELECTRIC COMPANY LIMITED

P.O. Box 6124
1261 Shearer Street
Montreal 104, Quebec, Canada
Tel: (514) 933-8641
TWX: 610-421-3741
Cable: NORELCAN

PRODUCTS:

ferrites, pot cores — international standards; silicon carbide varistors; dry reed switches; polystyrene and Mylar capacitors; miniature relays; wire spring relays; printed circuit board assemblies.

NOVATRONICS OF CANADA LIMITED

P.O. Box 610
677 Erie Street
Stratford, Ontario, Canada
Tel: (519) 271-3880
TWX: 610-355-8717

PRODUCTS:

small high performance stepper motors and controllers for indication

and control functions; in-line servo assemblies; gimbal components such as gyro stators; digital indicators for airborne applications; high response industrial stepper motors and drives for automatic positioning; servo motors and synchros; precision electro-mechanical components.

OLIVAX

P.O. Box 576
840 Industrial Boulevard
Granby, Quebec, Canada
Tel: (514) 378-9977

PRODUCTS:

general purpose relays; solenoids; electro-mechanical devices; timers; ballast and transformers.

OSBORNE ELECTRIC COMPANY LIMITED

95 Wesley Street
Toronto 18, Ontario, Canada
Tel: (416) 259-7886
Cable: OSELECT

PRODUCTS:

epoxy molded neutralizing transformers; multi-circuit neutralizing transformers; communications coupling protectors; isolating and drainage transformers.

O & W ELECTRONICS LIMITED

28 Rolark Drive
Scarborough, Ontario, Canada
Tel: (416) 291-8821
Telex: 02-2081
Cable: OKITOR

PRODUCTS:

printed circuitry to meet military specifications; printed circuit boards, rigid and flexible (assemblies); micro-modules; resistor networks; edge-lighted panels and dials to military specifications and pointers; escutcheons.

PHILLIPS CABLES LIMITED

550 King Street West
Brockville, Ontario, Canada
Tel: (613) 345-5666
Telex: 026-3512
Cable: PHILELEC

PRODUCTS:

Stalpeth; Alpeth; coaxial cable, CATV cable, magnet wire and all

Components Section (Con't.)

other types of wire and cable for the electrical and communication industries.

PHILIPS ELECTRONICS INDUSTRIES LIMITED

Electron Devices Division

116 Vanderhoof Avenue
Toronto 352, Ontario, Canada
Tel: (416) 425-5161
Telex: 06-22221
TWX: 610-491-1546

PRODUCTS:

quartz crystals; television and stereo wooden cabinets.

POLYGON INDUSTRIES LIMITED

50 Northline Road
Toronto 16, Ontario, Canada
Tel: (416) 755-3301
Telex: 02-29535

PRODUCTS:

standard dry type transformers; rectifier transformers; furnace transformers; custom engineered transformers; saturable reactors.

PRECISION ELECTRONIC COMPONENTS (1971) LTD.

19 Hafis Road
Toronto 385, Ontario, Canada
Tel: (416) 249-7103
TWX: 610-492-1341

PRODUCTS:

variable resistors and trimmer potentiometers, none wire wound.

QUALITY COMMUNICATION PRODUCTS LTD.

P.O. Box 1257
239 South Mountain Street
Morden, Manitoba, Canada
Tel: (204) 822-4431

PRODUCTS:

telephone loading coils; telephone repeaters; toroidal coils; capacitors; R-C-L filters; special telephone coils and transformers; printed circuit boards.

QUALITY HERMETICS LIMITED

45 Hollinger Road
Toronto 374, Ontario, Canada
Tel: (416) 757-2869

PRODUCTS:

glass-to-metal hermetic seals; stand-offs; multi-terminal headers; crystal, transistor and diode bases and end seals; oxygen probe.

RADIO SPEAKERS OF CANADA LIMITED

221 Norseman Street
Toronto 570, Ontario, Canada
Tel: (416) 231-7243
Telex: 02-2992

PRODUCTS:

hi-fi unitary loudspeakers and enclosures; loudspeakers for professional or commercial sound applications.

RAPID GRIP AND BATTEN, LTD.

181 Richmond Street West
Toronto 133, Ontario, Canada
Tel: (416) 368-4771

PRODUCTS:

chemically milled custom components; photo-etched panels; lead frames; masks; apertures; heaters; parts for fluidic controls; opto and electro-mechanical devices; electro-forming of precision molds, dies, screens and other components from nickel and copper.

RAYTHEON CANADA LIMITED

400 Phillip Street North
Waterloo, Ontario, Canada
Tel: (519) 745-6831
Telex: 029-5431
TWX: 610-365-3469
Cable: RAYCAN

PRODUCTS:

printed circuit modules; microwave components.

RCA LIMITED

21001 North Service Road
Trans-Canada Highway
Ste. Anne de Bellevue 810, Quebec
Canada
Tel: (514) 453-9000
Telex: 01-2522

PRODUCTS:

miniature electron and color picture tubes; television yokes; flyback transformers and tuners; laminated transformers; loudspeakers; silicon photosensors; indoor antennas.

RDC INDUSTRIES LTD.

8460 Darnley Road
Montreal 307, Quebec, Canada
Tel: (514) 733-7181

PRODUCTS:

printed circuit boards, edge-lighted panels, dials and instruments to military specifications; electronic assemblies.

RENFREW ELECTRIC COMPANY LIMITED

349 Carlaw Avenue
Toronto 252, Ontario, Canada
Tel: (416) 461-3511
Telex: 02-2450

PRODUCTS:

resistors — carbon composition, precision wire wound, power wire wound (fixed and adjustable), molded wire wound; thick film metal glaze, variable carbon and wire wound controls; time delay and industrial relays; wiring devices including wall plates; connectors — flat pin and printed circuit board; terminal strips — barrier.

RKO INDUSTRIES LIMITED

826 Technology Drive
Stephenville, Newfoundland
Canada
Tel: (709) 643-3211

PRODUCTS:

precision metal film resistors; thick film networks; industrial and commercial plastic fibre optics.

SHELLCAST FOUNDRIES INC.

10540 Lamoureux Street
Montreal North 460, Quebec
Canada
Tel: (514) 322-3760

PRODUCTS:

investment castings.

SMALLWOOD S. G. LTD.

391-397 King Street East
Kitchener, Ontario, Canada
Tel: (519) 745-9583

PRODUCTS:

coils, RF and IF; solenoids; toroidal; flyback transformers; bobbin windings and components for radio-television and electronic industries.

C. R. SNELGROVE CO. LIMITED

141 Bond Avenue
Don Mills 404, Ontario, Canada
Tel: (416) 477-8531
Telex: 06-966-626
TWX: 610-492-1354
Cable: SNELCRSTL

PRODUCTS:

quartz crystals; temperature controlled crystal ovens; crystal filters; monolithic filters; packaged oscillators; frangible switches.

SPACE CIRCUITS LTD.

156 Roger Street
Waterloo, Ontario, Canada
Tel: (519) 742-5896

PRODUCTS:

printed circuits; terminal panels; precision screens; chemically milled parts.

SPILSBURY & TINDALL SALES LTD.

120 East Cordova Street
Vancouver, British Columbia
Canada
Tel: (604) 684-4131
Cable: SPILTIN VANCOUVER

PRODUCTS:

tunable whip antennas; antenna tuning units.

SPRAGUE ELECTRIC OF CANADA LIMITED

10 Bertal Road
Toronto 337, Ontario, Canada
Tel: (416) 766-6123
Telex: 02-29930
Cable: TELEFARAD

PRODUCTS:

electrolytic capacitors including aluminum foil, dry sintered solid tantalum, miniature aluminum.

STRITE INDUSTRIES LIMITED

298 Oak Street
Hespeler, Ontario, Canada
Tel: (519) 658-9361

PRODUCTS:

ultra-precision-machined components for the electronic industry; microwave tube components; mechanical computer components; guidance system components; electronic heat sinks.

SUPERIOR CONTINENTAL CANADA LTD.

P.O. Box 694
1131 Erie Street
Stratford, Ontario, Canada
Tel: (519) 271-9200
TWX: 610-355-8713

PRODUCTS:

loading coil assemblies; build-out-capacitor units; telephone station connecting blocks, telephone jacks, 8A buzzers, portable telephone plugs, outdoor wire terminals.

SUPERIOR ELECTRONICS INDUSTRIES LTD.

1330 South Service Road
Trans-Canada Highway
Dorval 740, Quebec, Canada
Tel: (514) 683-6331
Telex: 05-25160 SEI MTL

PRODUCTS:

black and white picture tubes; color picture tubes; electron gun mounts for both black and white and color TV tubes.

SYNTRON (CANADA) LIMITED

P.O. Box 10
928 Queenston Road
Stoney Creek, Ontario, Canada
Tel: (416) 662-8313

PRODUCTS:

vibratory feeders; vibrating screens; vibrators; selenium and silicon rectifier stacks; power conversion units; automotive diodes; DC motor controls.

TMC (CANADA) LIMITED

R.R. #5
Ottawa, Ontario, Canada
K1G 3N3
Tel: (613) 822-0244
Telex: 053-4146
Cable: TEPEI OTTAWA

PRODUCTS:

printed circuit assembly; manufacture all types of harness and cable assemblies including coaxial; sheet metal fabrication; precision fabrication; chassis; panels; frames, cabinets in aluminum and steel; finishing including aluminum iridite; printing; silk screening and engraving; electronic engineering design and manufacturing facility.

VALERIOTE ELECTRONICS (GUELPH) LTD.

P.O. Box 603
Guelph, Ontario, Canada
Tel: (519) 824-3220

PRODUCTS:

coils; transformers; modules; matching transformers; filters; antennas; cable assemblies; aluminum and steel masts; tool and die; pattern shop; FRP filament winding; FRP hand and press molding; rubber moldings; plastics; antennas — fiberglass whip.

VARIAN ASSOCIATES OF CANADA LTD.

45 River Drive
Georgetown, Ontario, Canada
Tel: (416) 877-6901
Telex: 069-7502
TWX: 610-492-2641

PRODUCTS:

microwave tubes — klystrons, travelling wave tubes, magnetrons; power supplies — travelling wave tubes and klystrons.

VESTSHELL INC.

10351 Pelletier Street
Montreal North 459, Quebec
Canada
Tel: (514) 322-2371

PRODUCTS:

precision investment casting of ferrous alloys

WARD LEONARD OF CANADA LIMITED

1070 Birchmount Road
Scarborough, Ontario, Canada
Tel: (416) 757-4131
TWX: 610-492-1386
Cable: VITRES

PRODUCTS:

wire wound resistors; rheostats; relays; motor controls; dimmers; lighting control systems; emergency lighting.

WELKIN MANUFACTURING CO. LTD.

824 Deslauriers Street
Montreal 379, Quebec, Canada
Tel: (514) 236-8311

PRODUCTS:

investment castings.

Components Section (Con't.)

WELWYN CANADA LIMITED

P.O. Box 2484
1255 Brydges Street
London, Ontario, Canada
Tel: (519) 451-9490
Telex: 024-843
Cable: WILBAC

PRODUCTS:

precision and semi-precision resistors — tin oxide, metal film, carbon film, ultra-high, ultra low and standard values.

WESTINGHOUSE CANADA LIMITED

P.O. Box 510
Hamilton, Ontario, Canada
Tel: (416) 528-8811
Telex: 02-1655
TWX: 610-371-0246
Cable: WESTCAN HAMILTON

PRODUCTS:

receiving, cathode ray and power tubes; special and linear monolithic integrated circuits.

WILL-HART LTD.

1220 Ellesmere Road
Scarborough, Ontario, Canada
Tel: (416) 291-2123
Telex: 06-22848

PRODUCTS:

edge-lighted panels to military specifications; escutcheons.

consumer products section

DORCHESTER ELECTRONICS LIMITED

37 Fima Crescent
Toronto 520, Ontario, Canada
Tel: (416) 259-4263

PRODUCTS:

portable stereo record players.

ELECTROHOME LIMITED

809 Wellington Street North
Kitchener, Ontario, Canada
Tel: (519) 744-7111
Telex: 029-5449
Cable: DEIL

PRODUCTS:

stereo high-fidelity (cabinet, boutique and component units); television receivers (including color); environmental (four-channel) sound systems; speaker systems; video monitors; ETV receiver/monitors; educational phonos.

FLEETWOOD CORPORATION

5785 Paré Street
Montreal 9, Quebec, Canada
Tel: (514) 731-3811
Telex: 01-26169
Cable: FLEETCORP

PRODUCTS:

television receivers (including color); stereo high-fidelity combinations; record players.

MONTREAL PHONO COMPANY LIMITED

4000 St. Patrick Street
Montreal 206, Quebec, Canada
Tel: (514) 769-8557

PRODUCTS:

stereo high-fidelity combinations; record players.

PATTERSON INDUSTRIES LTD.

7342 Winston Street
Burnaby, British Columbia, Canada
Tel: (604) 291-8678
Telex: 04-508506

PRODUCTS:

speakers and speaker systems.

PHILCO-FORD OF CANADA LTD.

900 Don Mills Road
Don Mills, Ontario, Canada
Tel: (416) 444-2541
Telex: 02-2237

PRODUCTS:

automobile radios.

PHILIPS ELECTRONIC INDUSTRIES LTD.

Consumer Products Division
116 Vanderhoof Avenue
Toronto 17, Ontario, Canada
Tel: (416) 425-5161
Telex: 02-2513
Cable: PHILIND TORONTO

PRODUCTS:

television receivers (including color); stereo radio-phonograph combinations.

THE RADIUS COMPANY

424 John Street
Dunnville, Ontario, Canada
Tel: (416) 774-6510

PRODUCTS:

stereo speaker systems.

RCA LIMITED

21001 North Service Road
Trans-Canada Highway
Ste. Anne de Bellevue 810
Quebec, Canada
Tel: (514) 453-9000
Telex: 01-2522

PRODUCTS:

radio and television receivers (including color); stereo combinations; chassis kits for export.

SYMPHONIC ELECTRONIC CORPORATION

2225 Leclaire Street
Montreal 404, Quebec, Canada
Tel: (514) 254-4501
Telex: 05-268647

PRODUCTS:

portable record players; stereo high-fidelity combinations.

YORKVILLE SOUND LIMITED

744 Dundas Street East
Toronto 247, Ontario, Canada
Tel: (416) 366-3571
TWX: 610-522-1085

PRODUCTS:

amplifiers and speaker systems for musical instruments.

consultants section
(Engineering and Systems)

ACRES INTERTEL LIMITED

151 Slater Street, Suite 400
Ottawa, Ontario, Canada
K1P 5H3
Tel: (613) 236-0124
Telex: 053-4209

SERVICES:

specialists in airport systems, telecommunications, navigational aids, computer systems and applications, information services. Domestic and international consulting specialists in all systems and phases pertaining to the generation, structure, organization, processing, transmission and distribution of information. Satellite, microwave relay, scatter, point-to-point for telephone, broadcast, TV, ETV, CATV. Education technology; navigation system; computer applications; market research; theoretical analyses, field surveys; feasibility and reliability studies; systems planning and design, system and equipment specifications, maintenance techniques; installation, test, acceptance and maintenance of systems inclusive of personnel training.

**ADGA LIMITED
Engineers and Systems Analysts**

P.O. Box 227, Terminal "A"
Ottawa 2, Ontario, Canada
Tel: (613) 235-8677

SERVICES:

telecommunications and information systems specialists; terrestrial and satellite communications systems studies; preparation of plans and specifications for communications systems; advisory service on selection of equipment; reliability and maintainability studies and inspection services; installation, test and acceptance of radio and video systems for various applications.

D. E. M. ALLEN & ASSOCIATES

3303 Portage Avenue
Winnipeg, Manitoba, Canada
R3K 0W7
Tel: (204) 832-3050

SERVICES:

feasibility studies and reports for broadcast coverage and service in AM, FM and television; planning, design, adjustment and acceptance tests of broadcast transmitting installations and associated commu-

nications systems; design and adjustment of medium frequency broadcast antennas; frequency searches and frequency selection in broadcast portion of radio spectrum involving AM, FM and television; preparation of technical briefs, reports and submissions in support of frequency or channel utilization for broadcast purposes.

BELL CANADA

1050 Beaver Hall Hill
Montreal 1, Quebec, Canada
Tel: (514) 870-1511
TWX: 610-421-3649
Cable: BELLPHONE MONTREAL

SERVICES:

consulting services for operating telephone companies including comprehensive coverage in all phases of communication planning, design and operation; company organization and administration; engineering planning and design; communication equipment and plant maintenance; traffic forecasting and operating; rates and tariffs; marketing; accounting; personnel administration; public relations; training of all types.

**BRISTOL AEROSPACE (1968)
LIMITED**

P.O. Box 874
Winnipeg, Manitoba, Canada
Tel: (204) 775-8331
Telex: 03-5587
TWX: 610-671-3598
Cable: BRISAIRCO

SERVICES:

data acquisition studies in the fields of pollution, meteorology, hydrology, oceanography and machine diagnostics. Various methods of data acquisition are studied and recommendations made. Complete engineering services for sounding rocket payloads from feasibility studies to instrument development and test flight.

**CDP COMPUTER DATA
PROCESSORS LTD.**

512 Calgary House
550 - 6th Avenue Southwest
Calgary, Alberta, Canada
T2P 0S2
Tel: (403) 264-7980
Telex: 038-22735
Cable: COMDATA

SERVICES:

specialized computer software programs or software for applications in the petroleum and minerals industries. These include large data file retrieval systems for mineral and petroleum exploration and production data, mapping and data analysis routines, data reduction and processing routines for geophysical field data, and engineering routines for petroleum production and reservoir operations. Provides data processing of customer data on service basis. Supplies consulting and training services in the design, installation and training for developing digital technology for industry or national entities in developing countries.

CABLE CONSULTING SERVICES

1608 Truscott Drive
Mississauga, Ontario, Canada
Tel: (416) 822-0625

SERVICES:

management and engineering consultant services for all aspects of cable television distribution systems, including feasibility studies, cost projections and engineering design. The company has extensive experience in coaxial VHF systems and multipair HF systems, having been associated with the development of CATV in Canada and the United States for the last 20 years and with Rediffusion in Britain for six years.

CANAC CONSULTANTS LTD.

P.O. Box 8100
Floor 12 — CN HQ Building
Montreal 101, Quebec, Canada
Tel: (514) 877-4816
Telex: 01-20250
Cable: CONDIV

SERVICES:

Canadian National Railways, one of the largest transportation organizations in the world, and Air Canada, with 34 years experience in air transport, have combined their respective consulting branches in the formation of CANAC Consultants Ltd. Telecommunications services in the area of surface transportation include: planning systems, transmission, switching, engineering, radio, microwave, computer, data acquisition and transmission systems. In

the field of air transportation, telecommunication services include: communications equipment and systems, data processing applications, both systems and programs, navigational aids and air traffic control. Operations and maintenance training services are available in both of the above fields.

**CANADIAN PACIFIC
CONSULTING SERVICES LTD.**

Windsor Station
Montreal 101, Quebec, Canada
Tel: (514) 861-6811
Telex: 01-20316
Cable: CANPAC MONTREAL

SERVICES:

consulting specialists in planning, system engineering, construction, operation and administration of general telecommunication services. Broad spectrum of services also available in respect to computer communication systems and railway signalling and communication systems.

COMPUTEL SYSTEMS LTD.

1200 St. Laurent Boulevard
Ottawa, Ontario, Canada
K1K 3B8
Tel: (613) 746-4353

SERVICES:

computer time sharing. Access to UNIVAC 1108 and IBM 360/65 is over-the-counter or via remote high or low speed terminals. Company's services are available to any customer wherever located. However, distance constraints impose cost restrictions making access normally practical only in North America. Company offers computing system consulting service, program design and writing services, and customer's programmers are supported by a technical consulting staff. Company supports application program packages in the econometric, statistical, mathematical and file management areas.

**DC-DATA COMMUNICATIONS
LIMITED**

(Division of H. K. Davis &
Associates Limited)

160 Duncan Mill Road
Don Mills 405, Ontario, Canada
Tel: (416) 449-4622

SERVICES:

specializing in applications of communications systems to use of data techniques for design, supervision, telemetering and performance monitoring. Areas of interest include airways systems, design of coaxial cable (CATV and data) distribution systems, equipment reliability studies, etc.

**H. K. DAVIS & ASSOCIATES
LIMITED**

160 Duncan Mill Road
Don Mills 405, Ontario, Canada
Tel: (416) 449-4622

SERVICES:

feasibility, design, specification, supervision, test and total job management of specialized communications systems for education (ETV, audio-visual, resource centers, research labs, libraries, etc.); commercial broadcasting — FM radio studios and transmitting sites, VHF and UHF television stations, microwave networks, total operating systems; point-to-point HF and VHF, land and maritime communications system; acoustical studies; telecommunication and navigational facilities for airways and airports.

DIGITAL METHODS LTD.

1716 Woodward Drive
Ottawa, Ontario, Canada
K2C 0P8
Tel: (613) 225-1171

SERVICES:

consulting engineering services in the field of computer systems and applications; methods analysis and management engineering; and aviation — including air traffic control and simulation studies.

**DILWORTH, SECORD, MEAGHER
AND ASSOCIATES LIMITED**

4195 Dundas Street West
Toronto 18, Ontario, Canada
Tel: (416) 239-3011
Cable: DSMASSOC

SERVICES:

data acquisition and control, computer system design; logic systems design; control systems design and analysis; custom instrumentation design and development.

GAMMA ENGINEERING LIMITED

10135 - 103 Street
Edmonton, Alberta, Canada
Tel: (403) 429-4341

SERVICES:

management engineering; telecommunication engineering; planning of communication networks; engineering design of telephone and telegraph systems, etc.; preparation of specifications; calling for bids; installation of telecommunication equipment; project supervision; preparation of operating and maintenance standards; training of telecommunication and maintenance personnel; operation, maintenance and management of networks.

HPL ENGINEERING

Division of Hoverproducts Ltd.

49 Cleopatra Drive
Ottawa, Ontario, Canada
K2G 0B6
Tel: (613) 825-3758, 825-3001

SERVICES:

consulting in survey and navigational position finding; determination of requirements and specifications; selection of aids, mobile or fixed, for land, sea or air survey and navigation; calibration and accuracy analysis of aids and systems.

**HOYLES NIBLOCK
ASSOCIATES LTD.
HOYLES NIBLOCK
INTERNATIONAL LTD.**

3110 Boundary Road
Vancouver 12, British Columbia
Canada
Tel: (604) 437-1141
Telex: 04-54323
TWX: 610-929-1058
Cable: TELECOM VANCOUVER

SERVICES:

design and management of construction and commissioning of communication and broadcasting systems. Microwave — long and short haul systems in all bands. VHF and UHF — systems for point-to-point and mobile purposes, land and maritime and air-to-ground, single and multi-channel. Space Communications — systems for national and/or regional requirements. Control and Telemetry — data acquisition, handling, storage and display

systems, manual, automatic or semi-automatic, computer (software) or hardware directed. Telephone Switching — local, regional and national. Cable Plant — for telephone system applications and for the transmission of multi-channel television programming (CATV). Beyond the Horizon (Scatter) Communication Systems — to serve areas of low population density. Avionics — communication and navigation systems for the air transport industry. Broadcasting — sound, AM and FM, and television stations and regional, national and international networks, studio and transmission plant.

INFORMATION SCIENCE INDUSTRIES LIMITED

1755 Woodward Drive
Ottawa, Ontario, Canada
K2C 0P9
Tel: (613) 225-3900

SERVICES:

contract programming; developing ready-to-use proprietary software packages; design and implementation of a wide range of administrative and medical hospital systems. General software packages available include DETRAN (decision table translator), SERCHR (a generalized file retrieval/report writer system) and TSAR (text storage and retrieval capable of accepting original English text). Company has designed a complete range of administrative data processing applications for hospitals including payroll, in patient billing, out patient billing, accounts payable and stores inventory. Two data retrieval systems for the hospital's medical staff have also been developed. These are the Medical Records System and the Medical Information Retrieval System. All systems have been successfully implemented.

KATES, PEAT, MARWICK & CO.

P.O. Box 31
Commerce Court Postal Station
Toronto, Ontario, Canada
Tel: (416) 863-3500

SERVICES:

business data processing, management information systems, urban traffic control, marine traffic control, air traffic control, medical electronics, process control. Feasibility

studies, systems evaluations, equipment evaluations and tests, system design development and specifications, computer programming, system implementation.

KENDALL ASSOCIATES LIMITED

77 Metcalfe Street
Ottawa, Ontario, Canada
K1P 5L6
Tel: (613) 236-0875
Telex: 053-3560
Cable: KENMARK

SERVICES:

marketing consultants specializing in surveys and studies for clients interested in North American defence or technical markets.

MONTREAL ENGINEERING COMPANY LIMITED

P.O. Box 777, Place Bonaventure
Montreal 114, Quebec, Canada
Tel: (514) 395-3636
Telex: 01-20227
Cable: MONENCO

SERVICES:

consulting engineering services in communications and supervisory control systems for power generating plants, electric power transmission networks (including high voltage DC) pipelines, pumping stations and industrial plants.

NATIONAL ELECTROLAB ASSOCIATES LTD.

1130 East 7th Avenue
Vancouver 12, British Columbia
Canada
Tel: (604) 879-9161
Telex: 04-50322
TWX: 610-929-1058

SERVICES:

consulting electronics laboratory; testing of communications equipment for type approval by the Canadian Department of Communications; testing and evaluation for purchasing and insurance purposes; custom instrumentation design and development.

N. J. PAPPAS & ASSOCIATES

4003 Decarie Boulevard
Montreal 260, Quebec, Canada
Tel: (514) 488-9581
Cable: PAPPACO

SERVICES:

RF research: DoC applications; systems engineering; broadcast planning; computer applications; telecommunications; acoustics and noise control; airport systems.

SDI ASSOCIATES LIMITED

45 St. Clair Avenue West
Toronto 7, Ontario, Canada
Tel: Toronto: (416) 964-7640
Ottawa: (613) 233-5697
Montreal: (514) 866-9554

SERVICES:

consultant services with special emphases in the insurance and finance industries; data processing consulting; data processing systems development; computer processing, data entry services.

SAPERSTEIN & ASSOCIATES LTD.

285 Cominco Building
1199 West Pender Street
Vancouver 1, British Columbia
Canada
Tel: (604) 683-4591
Telex: 04-508553

SERVICES:

telecommunications; AM, FM and TV broadcasting systems; CATV systems; consultants in testing electronics equipment for type approval; pipeline telemetry and supervisory control systems; telemetry control and data acquisition systems. HF, VHF and microwave systems for land, sea and air environments.

SYSTEMS DIMENSIONS LIMITED

770 Brookfield Road
Ottawa, Ontario, Canada
K1V 6J5
Tel: (613) 731-6910
TWX: 610-562-8934

SERVICES:

computer services, providing a full range of services to data processing customers; System 360/85 is the single largest and most powerful computer installed in Canada. Operating divisions — computer service, management service; Subsidiaries — Systems Plan Softwarehouse Limited.

consultants section
(Geophysical Survey Services)

AERO PHOTO INC.

1975 Boulevard Charest West
Ste. Foy, Quebec 12
Quebec, Canada
Tel: (418) 683-2231
Telex: 01-13467
Cable: GEOAIR

SERVICES:

geophysical exploration — aeromagnetic.

ELC GEOPHYSICS LTD.

250 North Grosvenor Avenue
Burnaby 2, British Columbia
Canada
Tel: (604) 298-9619

SERVICES:

geophysical surveying.

GAR-X SURVEY LTD.

1105 Third Street
Val d'Or, Quebec, Canada
Tel: (819) 824-2378

SERVICES:

geophysical exploration — combined aeromagnetic/very low frequency electromagnetic; airborne radiometric.

GEOTERREX LTD.

2060 Walkley Road
Ottawa, Ontario, Canada
K1G 3P5
Tel: (613) 731-9571
Telex: 01-33502
Cable: GEOTERREX

SERVICES:

geophysical exploration — aeromagnetic; combined aeromagnetic/airborne electromagnetic.

LOCKWOOD SURVEY CORPORATION LTD.

1450 O'Connor Drive
Toronto 374, Ontario, Canada
Tel: (416) 755-1141
Telex: 02-21571
Cable: CANLOCK

SERVICES:

geophysical exploration — aeromagnetic; combined aeromagnetic/airborne electromagnetic; airborne radiometric; very low frequency electromagnetic.

QUESTOR INTERNATIONAL SURVEYS INC.

20 Canso Road
Rexdale, Ontario, Canada
Tel: (416) 249-3357

SERVICES:

geophysical exploration — aeromagnetic; combined aeromagnetic/airborne electromagnetic; airborne radiometric.

SEIGEL ASSOCIATES LTD.

222 Snidercroft Road
Concord, Ontario, Canada
Tel: (416) 889-8990, 889-0983
Telex: 06-219674
Cable: SCINTREX

SERVICES:

geophysical exploration — aeromagnetic; combined aeromagnetic/airborne electromagnetic; airborne radiometric; very low frequency electromagnetic.

SURVAIR LTD.

P.O. Box 469
Hunt Club Road
Ottawa, Ontario, Canada
K1G 3N3
Tel: (613) 822-7151
Telex: 01-33344
Cable: SURVAIR

SERVICES:

geophysical exploration — aeromagnetic; very low frequency; magnetic; airborne radiometric.

cross index by products

This index provides a handy reference to the more than 200 companies listed in the booklet. For easy use it is broken down into general categories in two sections — Electronics Equipment and Systems Section, and Components Section — rather than by specific products.

**AEROSPACE EQUIPMENT,
RESEARCH**

Barringer Research Limited
Bristol Aerospace (1968) Limited
CAE Industries Limited
Computing Devices of Canada
Limited
Leigh Instruments Limited
Northern Electric Company Limited
RCA Limited
Scintrex Limited
Spar Aerospace Products Limited

AMPLIFIERS

Barvic Electronic Communications
Limited
Bayly Engineering Limited
Canadian Marconi Company
Danscoll Limited
Delta-Benco Limited
Dyna Quip Electron Devices
Limited
Ealing Scientific Limited
Fanon Electronics of Canada
Limited
Farinon Electric of Canada Limited
Keil Industries Limited
Multi-Vox Limited
National Electrolab Associates
Limited
Quindar Products Limited
Televox Systems Incorporated
Valeriotte Electronics (Guelph)
Limited
Viscount Video Systems Limited

ANNUNCIATOR SYSTEMS

Advanced Transducer Systems
Limited
Automatec Incorporated
Barvic Electronic Communications
Limited
Bedard-Girard Limited
Canadian Sound and Signal
Division ESB Canada Limited
Crescent Controls Limited
Edwards of Canada
KAMECO Electronics Limited
Modudata Systems Limited
Motorola Military and Aerospace
Electronics, Canada
NEECO Industries Limited
Rochester Instrument Systems of
Canada Limited

ANTENNAS

Ainslie Antenna Company Limited
Andrew Antenna Company Limited
ASM Manufacturing Company
Hermes Electronics Limited
Nautical Electronic Laboratories
Limited
Radio Engineering Products
Limited

RCA Limited
Sinclair Radio Laboratories Limited
Spilsbury & Tindall Limited
TMC (Canada) Limited

AVIONICS

Communications

Collins Radio Company of Canada
Limited
Garrett Manufacturing Limited
Spilsbury & Tindall Limited

Navigation

Aviation Electric Limited
Canadian Marconi Company
Computing Devices of Canada
Limited
Hermes Electronics Limited
ITT Canada Limited
Leigh Instruments Limited
Litton Systems (Canada) Limited
Philips Electronics Industries
Limited
Raytheon Canada Limited

Simulators

CAE Industries Limited
Litton Systems (Canada) Limited
Marsland Engineering Limited
Space Research Corporation

Intercoms

Marsland Engineering Limited

Misc.

Beaconing Optical & Precision
Materials Company Limited
Canadian Marconi Company
Collins Radio Company of Canada
Limited
Computing Devices of Canada
Limited
Garrett Manufacturing Limited
Hermes Electronics Limited
Leigh Instruments Limited

BROADCAST EQUIPMENT

Canadian General Electric
Company Limited
Central Dynamics Limited
McCurdy Radio Industries Limited
RCA Limited
Richmond Hill Laboratories Limited
Viscount Video Systems Limited
Vitec Communications Limited

COMMUNICATIONS EQUIPMENT

HF

Canadian General Electric
Company Limited
Canadian Marconi Company
Collins Radio Company of Canada
Limited
Daniels Electronics Limited
Hermes Electronics Limited

Nautical Electronic Laboratories
Limited
Racal (Canada) Limited
Spilsbury & Tindall Limited
TMC (Canada) Limited

VHF

Canadian General Electric
Company Limited
Canadian Marconi Company
Canadian Motorola Electronics
Company
Hermes Electronics Limited
International Systcoms Limited
Radio Engineering Products
Limited
RCA Limited

UHF and Microwave

Beaconing Optical & Precision
Materials Company Limited
Canadian Marconi Company
Canadian Motorola Electronics
Company
Collins Radio Company of Canada
Limited
Farinon Electric of Canada Limited
International Systcoms Limited
Lenkurt Electric Limited
Northern Electric Company Limited
Raytheon Canada Limited
RCA Limited

SSB

Canadian Marconi Company
Collins Radio Company of Canada
Limited
Hermes Electronics Limited
Nautical Electronic Laboratories
Limited
Spilsbury & Tindall Limited
TMC (Canada) Limited

Satellite Communications

Northern Electric Company Limited
RCA Limited
Spar Aerospace Products Limited
Westinghouse Canada Limited

General and Custom

Acme Devices Limited
ITT Canada Limited
Omicron Data Systems Limited
Valeriotte Electronics (Guelph)
Limited
Verrex Advanced Systems Limited

**COMPUTERS AND PERIPHERAL
EQUIPMENT**

Advanced Transducer Systems
Limited
Automatic Electronic Systems
Limited
Aviation Electric Limited
Bristol Aerospace (1968) Limited
Canadian Marconi Company
Canadian Research Institute

Consolidated Computer
Incorporated
ESE Limited
Electro Dynamics & Telecom
Limited
Ferranti-Packard Limited
Garrett Manufacturing Limited
Honeywell Controls Limited
INAX Instruments Limited
Instronics Limited
KAMECO Electronics Limited
Litton Systems (Canada) Limited
Marsland Engineering Limited
Raytheon Canada Limited
Tele-Radio Systems Limited
T-Scan Limited
Westinghouse Canada Limited

CONTROL EQUIPMENT AND SYSTEMS

Communications

Bayly Engineering Limited
KAMECO Electronics Limited
Philips Electronics Industries
Limited

Machine Tool Control

Electro Dynamics & Telecom
Limited
Ferranti-Packard Limited
Leigh Instruments Limited
Vickers UMAC Division of
Sperry Rand
Westinghouse Canada Limited

Process Control

Advanced Transducer Systems
Limited
Aircraft Appliances & Equipment
Limited
Automatic Electronic Systems
Limited
Bailey Meter Company Limited
Crescent Controls Limited
Electro Dynamics & Telecom
Limited
Electronic Associates of Canada
Limited
George Kelk Limited
Gulton Dynamics & Telecom
Limited
Honeywell Controls Limited
Lanico Industries Limited
Lisle Instrument Systems Limited
Raycon Incorporated
Westinghouse Canada Limited

General Industrial Controls

Automatic Electronic Systems
Incorporated
Bach-Simpson Limited
Barvic Electronic Communications
Limited
CAE Industries Limited
Canadian Research Institute
Challenger Electronics Division of
Challenger Equipment Limited

Crescent Controls Limited
Electro Dynamics & Telecom
Limited
Ferranti-Packard Limited
Fischer & Porter (Canada) Limited
George Kelk Limited
Gen-Tec (1969) Incorporated
Glenayre Electronics Limited
Gulton Industries (Canada) Limited
Honeywell Controls Limited
Leigh Instruments Limited
Lisle Instrument Systems Limited
Metrix Manufacturing Company
Limited
Nash and Harrison Limited
Raycon Incorporated
Verrex Advanced Systems Limited
Westinghouse Canada Limited

Remote

Automatic Electronic Systems
Incorporated
Bayly Engineering Limited
Beaconing, Optical & Precision
Materials Company Limited
Bristol Aerospace (1968) Limited
Challenger Electronics
Motorola Military and Aerospace
Electronics, Canada
Multi-Elmac of Canada Limited
Quindar Products Limited
Verrex Advanced Systems Limited

Railway Signalling and Control

Bedard-Girard Limited
Bayly Engineering Limited
Glenayre Electronics Limited

Traffic Control Systems

Canadian General Electric
Company Limited
M & K Developments

COUNTING AND TIMING DEVICES

Bach-Simpson Limited
Bristol Aerospace (1968) Limited
Canadian Research Institute
Ealing Scientific Limited
Lanico Industries Limited
Metrix Manufacturing Company
Limited
M & K Developments

DATA ACQUISITION AND CONTROL SYSTEMS

Automatic Electronic Systems
Incorporated
Bristol Aerospace (1968) Limited
Canada Applied Technology
EKEG Electronics Company
Limited
ERA Instruments Limited
ESE Limited
Fischer & Porter (Canada) Limited
Garrett Manufacturing Limited

GTE Lenkurt Electric (Canada)
Limited
Instronics Limited
KAMECO Electronics Limited
Leigh Instruments Limited
Litton Systems (Canada) Limited
Marsland Engineering Limited
M & K Developments
Northern Radio Manufacturing
Company Limited
Pylon Electronic Development
Company Limited
Quindar Products Limited
Raytheon Canada Limited
Sander Geophysics Limited
Techal Electronic Services Limited
Verrex Advanced Systems Limited
Westinghouse Canada Limited

DIGITAL CLOCKS, TIMERS, PROGRAMMERS AND EVENT RECORDERS

Binary Three Limited
Dyna Quip Electron Devices
Limited
E.D.A. Electronics Limited

DIGITIZERS

Instronics Limited
Leigh Instruments Limited
Ruscom Logics Limited

DISPLAY SYSTEMS

CAE Industries Limited
Canadian Marconi Company
Central Dynamics Limited
Edwards of Canada
Ferranti-Packard Limited
Leigh Instruments Limited
Marsland Engineering Limited
Raytheon Canada Limited
RCA Limited
TMC (Canada) Limited
Westinghouse Canada Limited

EDUCATION AND RELATED EQUIPMENT

Anatek Electronics Limited
Ashman Industries (1966) Limited
Barvic Electronic Communications
Limited
Canadian Research Institute
CETA Limited
COPAQ
Ealing Scientific Limited
Edwards of Canada
Electrohome Limited
Electronic Controls Limited
Electro-vox Industries Limited
Garrett Manufacturing Limited
Hampden Limited
Hotpack (Canada) Limited

Electronics Equipment and Systems Section (Con't.)

J.M. Nelson Electronics Limited
Keil Industries Limited
Lab-Volt Limited
Lanico Industries Limited
McCurdy Radio Industries Limited
Raytheon Canada Limited
Scintrex Limited
Stark Electronic Instruments Limited
Unelco Limited
White Electronic Development Corporation (1966) Limited

ELECTRONIC DATA PROCESSING EQUIPMENT AND SYSTEMS

Advanced Transducer Systems Limited
Bristol Aerospace (1968) Limited
CAE Industries Limited
Consolidated Computer Incorporated
ERA Instruments Limited
ESE Limited
Ferranti-Packard Limited
Litton Systems (Canada) Limited
Raytheon Canada Limited
Tele-Radio Systems Limited
T-Scan Limited

ELECTRO-OPTICAL AND INFRARED EQUIPMENT

Computing Devices of Canada Limited
RCA Limited
Spar Aerospace Products Limited

ENVIRONMENT INSTRUMENTATION AND MONITORING

Barringer Research Limited
Bristol Aerospace (1968) Limited
Canadian Admiral Corporation Limited
Canadian Applied Technology
Canadian Research Institute
Computing Devices of Canada Limited
Electrogard Automation Electronics
Fischer & Porter (Canada) Limited
Hermes Electronics Limited
Hotpack (Canada) Limited
INAX Instruments Limited
Leigh Instruments Limited
Marsland Engineering Limited
Scintrex Limited
Spar Aerospace Products Limited

GEOPHYSICAL EQUIPMENT

Airborne

Barringer Research Limited
Bristol Aerospace (1968) Limited
E.D.A. Electronics Limited
ELC Geophysics Limited

Exploranium Corporation of Canada
Geonics Limited
McPhar Geophysics Limited
Sander Geophysics Limited
Scintrex Limited

Ground

ACR Industrial Services
Barringer Research Limited
Crone Geophysics Limited
E.D.A. Electronics Limited
Exploranium Corporation of Canada
Geodynamics Services Limited
Geonics Limited
Geotronic Surveys Limited
Glenayre Electronics Limited
Huntec (70) Limited
INAX Instruments Limited
McPhar Geophysics Limited
Sander Geophysics Limited
Scintrex Limited

Marine

Barringer Research Limited
Canadian Research Institute
Huntec (70) Limited

Survey Services

Aero Photo Incorporated
Barringer Research Limited
Crone Geophysics Limited
ERA Instruments Limited
ELC Geophysics Limited
Exploranium Corporation of Canada
GAR-X Survey Limited
Geonics Limited
Geoterrex Limited
Geotronic Surveys Limited
Lockwood Survey Corporation Limited
McPhar Geophysics Limited
Questor International Surveys Limited
Sander Geophysics Limited
Scintrex Limited
Seigel Associates Limited
Survair Limited

INTERCOMMUNICATIONS EQUIPMENT

Industrial

Auto-Vox Incorporated
Canadian Motorola Electronics Company
Electro-vox Industries Incorporated
Fanon Electronics of Canada Limited
Keil Industries Limited
Marsland Engineering Limited
McCurdy Radio Industries Limited
Mirtone Industries
Multi-vox Limited
Televox Systems Incorporated

Apartment

Canadian Sound and Signal Division
ESB Canada Limited
Electro-vox Industries Incorporated
Mirtone Industries
Multi-vox Limited

Hotels and Hospitals

Barvic Electronic Communications Limited
Electro-vox Industries Incorporated
Keil Industries Limited
Multi-vox Limited
Televox Systems Incorporated

Business and Office

Fanon Electronics of Canada Limited
Televox Systems Incorporated

Public Address and Paging Systems

Auto-Vox Incorporated
Canadian Motorola Electronics Company
Electro-vox Industries Incorporated
Marsland Engineering Limited
Omicron Data Systems Limited
Televox Systems Incorporated

LASERS AND ANCILLARY EQUIPMENT

Eastern Geophysics Limited
Gen-tec (1969) Incorporated
Lumonics Research Limited
RCA Limited
Sinclair Radio Laboratories Limited

MEDICAL ELECTRONICS

Bach-Simpson Limited
Canadian Research Institute
Conuclear Limited
EKEG Electronics Company Limited
HARCO Electronics Limited
Hotpack (Canada) Limited
Measurement Engineering Division of Canadian Stackpole Limited
Owl Instruments Limited
Picker X-Ray Manufacturing Limited
Philips Electronics Industries Limited
Physico-Medical Systems Corporation
Simtec Industries Limited
Spar Aerospace Products Limited
Televox Systems Incorporated
Unitron Industries Limited
Westinghouse Canada Limited

MICROWAVE SYSTEMS AND EQUIPMENT

Collins Radio Company of Canada Limited

Farinon Electric of Canada Limited
GTE Lenkurt Electric (Canada)
Limited
ITT Canada Limited
Northern Electric Company Limited
Raytheon Canada Limited
RCA Limited
Sinclair Radio Laboratories
Limited
Techal Electronic Services Limited

**Microwave Drying, Moisture
Sensing and Applicator Equipment**

Devtek Limited
Mega Systems Design Limited

**MONITORING AND
SUPERVISORY CONTROL**

Assembly Electronics
Automatic Electronic Systems
Incorporated
Bristol Aerospace (1968) Limited
CAE Industries Limited
Central Dynamics Limited
Crescent Controls Limited
Ferranti-Packard Limited
Fischer & Porter (Canada) Limited
George Kelk Limited
Glenayre Electronics Limited
GTE Lenkurt Electric (Canada)
Limited
KAMECO Electronics Limited
Lorain Products (Canada) Limited
Modudata Systems Limited
Motorola Military and Aerospace
Electronics, Canada
Multi-Elmac of Canada Limited
Nash and Harrison Limited
NEECO Industries Limited
Quindar Products Limited
Raycon Incorporated
Rochester Instrument Systems
of Canada Limited
Sinclair Radio Laboratories
Limited
Techal Electronic Services Limited
Tele-Radio Systems Limited
Vitec Communication Systems
Limited

MULTIPLEX EQUIPMENT

Automatic Electronic Systems
Incorporated
Collins Radio Company of Canada
Limited
ESE Limited
Farinon Electric of Canada Limited
GTE Lenkurt Electric (Canada)
Limited
Modudata Systems Limited
Northern Electric Company Limited
Northern Radio Manufacturing
Company Limited
Quindar Products Limited
Radio Engineering Products
Limited

**NAVIGATION AND DIRECTION
FINDING EQUIPMENT**

Ground

Aviation Electric Limited
CAE Industries Limited
General Precision Industries
Limited
ITT Canada Limited
Leigh Instruments Limited
Marsland Engineering Limited
Nautical Electronic Laboratories
Limited
Philips Electronics Industries
Limited
Raytheon Canada Limited
Spilsbury & Tindall Limited
Westinghouse Canada Limited

Marine

ASM Manufacturing Company
Computing Devices of Canada
Limited
C-Tech Limited
Ekolite Limited
General Precision Industries
Limited
Nautical Electronic Laboratories
Limited
Sparton of Canada Limited
Subcom Systems Limited
Westinghouse Canada Limited

NUCLEAR INSTRUMENTATION

Canadian Admiral Corporation
Limited
Canadian General Electric
Company Limited
Conuclear Limited
INAX Instruments Limited
Techal Electronic Services Limited

**OCEANOGRAPHY AND
METEOROLOGY**

Communications

Canadian Marconi Company
Collins Radio Company of Canada
Limited
Daniels Electronics Limited
National Electrolab Associates
Limited
Spilsbury & Tindall Limited
Subcom Systems Limited

Detection

Beaconing, Optical & Precision
Materials Company Limited
Bristol Aerospace (1968) Limited
Computing Devices of Canada
Limited
C-Tech Limited
Ekolite Limited
Hermes Electronics Limited
Huntec (70) Limited
Marsland Engineering Limited
Sparton of Canada Limited

Subcom Systems Limited
Westinghouse Canada Limited

Postal Automation Systems

ITT Canada Limited
Litton Systems (Canada) Limited

Monitoring and Survey

C-Tech Limited
Ekolite Limited
Guildline Instruments Limited
Hermes Electronics Limited
National Electrolab

**POWER SUPPLIES, STATIC
INVERTERS AND CONVERTERS,
RECTIFIERS**

Anatek Electronics Limited
Automatec Incorporated
Beel Controls Limited
Bedard-Girard Limited
Canadian Admiral Corporation
Canadian Applied Technology
Canadian General Electric
Company Limited
Canadian Marconi Company
Canadian Research Institute
CETA Limited
CTS of Canada Limited
Electronic Controls Limited
Garrett Manufacturing Limited
Glenayre Electronics Limited
Hampden Limited
Instronics Limited
Lab-Volt Limited
Lorain Products (Canada) Limited
Marsland Engineering Limited
Measurement Engineering Division
of Canadian Stackpole Limited
Mega System Design Limited
Powertronic Equipment Limited
Pylon Electronic Development
Company Limited
Radio Engineering Products
Limited
Raycon Incorporated
Research Industries Limited
Stark Electronic Instruments
Limited
Staticon Limited
Valeriotte Electronics (Guelph)
Limited

**PRODUCTION MACHINERY AND
EQUIPMENT**

Electrovert Manufacturing
Company Limited
Fortin-Latchford Limited

**RADAR SYSTEMS AND
ANCILLARY EQUIPMENT**

Beaconing, Optical & Precision
Materials Company Limited
CAE Industries Limited
Canadian Marconi Company

ITT Canada Limited
Raytheon Canada Limited
Sinclair Radio Laboratories
Westinghouse Canada Limited

RECORDERS

Huntec (70) Limited
Leigh Instruments Limited

REPAIR AND OVERHAUL SERVICES

Calibration

Aviation Electric Limited
CAE Industries Limited
Canadian Marconi Company
Canadian Research Institute
ITT Canada Limited
Leigh Instruments Limited
National Electrolab Associates Limited

Test

Aviation Electric Limited
CAE Industries Limited
Canadian Marconi Company
Canadian Research Institute
Leigh Instruments Limited
National Electrolab Associates Limited

General

ASM Manufacturing Company

SATELLITE COMMUNICATIONS

Bristol Aerospace (1968) Limited
CAE Industries Limited
Computing Devices of Canada Limited
Northern Electric Company Limited
Raytheon Canada Limited
RCA Limited
Spar Aerospace Products Limited
Westinghouse Canada Limited

TACHOMETER GENERATORS

Aircraft Appliances & Equipment Limited
George Kelk Limited

TELEGRAPH EQUIPMENT

Automatic Electronics Limited
CAE Industries Limited
ITT Canada Limited
KAMECO Electronics Limited
Marsland Engineering Limited
Northern Radio Manufacturing Company Limited
Radio Engineering Products Limited

TELEMETERING SYSTEMS

Bristol Aerospace (1968) Limited
Canadian Applied Technology
Computing Devices of Canada Limited
EKEG Electronics Company Limited
Motorola Military and Aerospace Electronics, Canada
Nautical Electronic Laboratories Limited
Northern Radio Manufacturing Company Limited
RCA Limited
Tele-Radio Systems Limited
Vitec Communications Limited

TELEPHONE EQUIPMENT

Acme Devices Incorporated
Automatic Electric (Canada) Limited
Auto-Vox Incorporated
Bayly Engineering Limited
Electro Dynamics & Telecom Limited
ESE Limited
Fanon Electronics of Canada Limited
International Systcoms Limited
ITT Canada Limited
KAMECO Electronics Limited
Multi-vox Limited
National Electrolab Associates Limited
Northern Electric Company Limited
Northern Radio Manufacturing Company Limited
Omicron Data Systems Limited
Pylon Electronic Development Company Limited
Research Industries Limited
Tele-Radio Systems Limited
Televox Systems Incorporated
Transcom Electronics Manufacturing Limited

TELEVISION EQUIPMENT AND SYSTEMS

Closed Circuit

Central Dynamics Limited
Richmond Hill Laboratories Limited
Viscount Video Systems Limited
Vitec Communications Limited

Studio

Canadian General Electric Company Limited
Central Dynamics Limited
Danscoll Limited
Electrohome Limited
McCurdy Radio Industries Limited
Richmond Hill Laboratories Limited
Viscount Video Systems Limited

Stabilized Airborne Platforms for TV Camera Systems

Westinghouse Canada Limited

Cable Television

Anaconda Electronics Limited
Danscoll Limited
Delta-Benco Limited
Viscount Video Systems Limited

CATV

Danscoll Limited
Delta-Benco Limited
Marsland Engineering Limited
Viscount Video Systems Limited

TEST, LABORATORY AND MEASURING EQUIPMENT

Advanced Transducer Systems Limited
Aviation Electric Limited
Bach-Simpson Limited
Bayly Engineering Limited
Bristol Aerospace (1968) Limited
CAE Industries Limited
Canadian Research Institute
COPAQ
Delta-Benco Limited
Ealing Scientific Limited
E.D.A. Electronics Limited
Electronic Controls Limited
ESE Limited
Garrett Manufacturing Limited
Guildline Instruments Limited
Hampden Limited
INAX Instruments Limited
Lab-Volt Limited
Lanico Industries Limited
Litton Systems (Canada) Limited
Metrix Manufacturing Company Limited
National Electrolab Associates Limited
Nash and Harrison Limited
Racal (Canada) Limited
Raytheon Canada Limited
RCA Limited
Richmond Hill Laboratories Limited
Stark Electronic Instruments Limited
Techal Electronic Services Limited
Tele-Radio Systems Limited

TOWERS AND ACCESSORIES

Austin Insulator Division, Decca
Radar Canada (1967) Limited
Canadian Bridge, Division of
Hawker Industries Limited
Dynamic Industries Incorporated
Leblanc & Royle Communications
Towers Limited

Electronics Equipment and Systems Section (Con't.)

Tower Communications Company
(Canada) Limited
Valeriot Electronics (Guelph)
Limited

TRANSDUCERS

Advanced Transducer Systems
Limited
C-Tech Limited
Ferranti-Packard Limited
George Kelk Limited
Rochester Instrument Systems
of Canada Limited

TRANSMITTERS

Bristol Aerospace (1968) Limited
CAE Industries Limited
Canadian General Electric
Company Limited
Canadian Marconi Company
Collins Radio Company of Canada
Limited
Hermes Electronics Limited
Nautical Electronic Laboratories
Limited
RCA Limited

ULTRASONICS

C-Tech Limited
Ekolite Limited
Westinghouse Canada Limited

VOLTAGE REGULATORS

Aircraft Appliances & Equipment
Limited
Bristol Aerospace (1968) Limited
Canadian Research Institute
Challenger Electronics
Ferranti-Packard Limited
George Kelk Limited
Powertronic Equipment Limited
Radio Engineering Products
Limited

ANTENNAS

Amphenol Canada Limited
Collben Manufacturing Company
Geleco Electronics Ltd.
Lindsay Specialty Products Ltd.
RCA Limited
Spilsbury & Tindall Sales Ltd.
Valeriotte Electronics (Guelph) Ltd.

BATTERIES

Mallory Battery Company of
Canada Limited

CABLE HARNESSSES

Amphenol Canada Limited
Clare, C.P. Canada Ltd.
Valeriotte Electronics (Guelph) Ltd.
TMC (Canada) Limited

CAPACITORS

Aerovox Canada Limited
Capacitors of Canada (1968)
Limited
Centralab Canada Limited
Erie Technological Products of
Canada Limited
Northern Electric Company Limited
Quality Communication Products
Ltd.
Sprague Electric of Canada Limited
Superior Continental Canada Ltd.

CERAMICS

Almax Ceramic Industries Ltd.
Duplate Canada Limited, Ceramics
Division
Neosid (Canada) Limited

CONNECTORS

Amphenol Canada Limited
Boston Insulated Wire & Cable
Company Limited
Burndy Canada Ltd.
Dale Electronics Canada Ltd.
Digital Components Limited
Elco Connectors (Canada) Ltd.
ITT Cannon Electric Canada
ITT Gremar Connectors Canada
Lindsay Specialty Products Ltd.
Renfrew Electric Company Limited

CONDUITS

Eastern Wire & Conduits Limited

COILS, AF, IF, RF

Anro Electronic Industries Ltd.
Automatic Coil Manufacturing Ltd.
Automatic Electric (Canada)
Limited
Automatic Winding Corp. Ltd.

Canadian Marconi Company
Electronic Craftsmen
Geleco Electronics Ltd.
General Instrument of Canada Ltd.
General Magnetic Products of
Hawkesbury Limited
Jarry Electronics Limited
Quality Communication Products
Ltd.
Smallwood S. G. Ltd.
Superior Continental Canada Ltd.
Valeriotte Electronics (Guelph) Ltd.

COUNTERS

Esna Limited

CRYSTALS, CRYSTAL OSCILLATORS, CRYSTAL OVENS

Columbia Research Ltd.
Croven Ltd.
CTS of Canada Limited
Philips Electronics Industries
Limited
C. R. Snelgrove Co. Limited

ELECTROMAGNETIC MODULES

Ferranti-Packard Limited

ELECTRO-MECHANICAL PARTS AND ASSEMBLIES

General Instrument of Canada Ltd.
Hylogic Ltd.
Novatronics of Canada Limited
Olivax
Rapid Grip and Batten, Ltd.
Strite Industries Limited

ELECTRONIC HARDWARE (Sockets, knobs, dials, panels, etc.)

Amphenol Canada Limited
Electronic Illumination Ltd.
Graphico Precision Works Ltd.
O & W Electronics Limited
Rapid Grip and Batten, Ltd.
RDC Industries Ltd.
Space Circuits Ltd.
Will-Hart Ltd.

ELECTRONIC AND TV TUBES

RCA Limited
Superior Electronics Industries
Ltd.
Varian Associates of Canada Ltd.
Westinghouse Canada Limited

FIBRE OPTICS

RKO Industries Limited

FILTERS

Bayly Engineering Limited
Canadian Marconi Company

CTS of Canada Limited
Desitron Co. Limited
Erie Technological Products
of Canada Limited
ESE Limited
Ferritronics Limited
Geleco Electronics Ltd.
Jarry Electronics Limited
Microwave Instruments and
Components Inc.
Quality Communication Products
Ltd.
C. R. Snelgrove Co. Limited
Valeriotte Electronics (Guelph) Ltd.

HEAT EXCHANGERS

Avionics Limited
Decor Metal Products Limited
Magna Electronics Corporation
Limited
Rapid Grip and Batten, Ltd.
Strite Industries Limited

INSULATORS

Austin Insulator Division
Decca Radar Canada (1967)
Limited

INVESTMENT CASTINGS

Cerecast Inc.
Shellcast Foundries Inc.
Vestshell Inc.
Welkin Manufacturing Co. Ltd.

LAMINATIONS

EI-Met Parts Ltd.
Magnetic Metals of Canada Limited

LOUDSPEAKERS

Radio Speakers of Canada Limited
RCA Limited

MAGNETIC TAPE

Audio Magnetics Corporation
of Canada Ltd.
Kramer Magnetics Limited

MEMORY PRODUCTS

Microsystems International Limited

METAL PARTS, CABINETS, ETC.

Beama (1969) Limited
Decor Metal Products Limited
Digital Components Limited
Graphico Precision Works Ltd.
Hammond Manufacturing
Company Limited
Magna Electronics Corporation
Limited

Components Section (Con't.)

Rapid Grip and Batten, Ltd.
Space Circuits Ltd.
Strite Industries Limited
TMC (Canada) Limited
Valeriot Electronics (Guelph) Ltd.

METER COMPONENTS

Automatic Coil Manufacturing Ltd.
Canadian Research Institute
Geleco Electronics Ltd.
O & W Electronics Limited

MICROCIRCUITS

Canadian Marconi Company
Desitron Company Limited
Epitek Electronics Ltd.
Garrett Manufacturing Limited
Microsystems International Limited
RKO Industries Limited
Westinghouse Canada Limited

MICROPHONES

Canadian Astatic Limited

MICROWAVE COMPONENTS

Desitron Co. Limited
Microwave Instruments and
Components Inc.
Neosid (Canada) Limited
Raytheon Canada Limited
Strite Industries Limited
Varian Associates of Canada Ltd.

PACKAGED ELECTRONIC CIRCUITRY

Anro Electronic Industries Ltd.
Centralab Canada Limited
CTS of Canada Limited
Epitek Electronics Ltd.
Erie Technological Products
of Canada Limited
Ferritronics Limited
Garrett Manufacturing Limited
Lindsay Specialty Products Ltd.
Microsystems International Limited
C. R. Snelgrove Co. Limited
Westinghouse Canada Limited

PHONOGRAPH COMPONENTS

Canadian Astatic Limited

PHOTOCONDUCTIVE AND PHOTOELECTRIC DEVICES

CTS of Canada Limited
Faraday (Canada) Limited
National Semiconductors Limited

PLATING

Avionics Limited
Graphico Precision Works Ltd.

Hamilton Engraving Company Ltd.
Lake Engineering Co. Limited

POTENTIOMETERS

Amphenol Canada Limited
Centralab Canada Limited
CTS of Canada Limited
Dale Electronics Canada Ltd.
Precision Electronic Components
(1971) Ltd.

POWDERED IRON AND FERRITE COMPONENTS

Canadian Stackpole Limited
Neosid (Canada) Limited
Northern Electric Company Limited

PRINTED CIRCUITS

Automatic Electric (Canada)
Limited
Avionics Limited
Canadian Marconi Company
Canadian Research Institute
Garrett Manufacturing Limited
Graphico Precision Works Ltd.
Hamilton Engraving Company Ltd.
Hylogic Ltd.
Lake Engineering Co. Limited
Micro-Com Electronics Ltd.
Northern Electric Company Limited
O & W Electronics Limited
Quality Communication Products
Ltd.
Raytheon Canada Limited
RDC Industries Ltd.
Space Circuits Ltd.
TMC (Canada) Limited

RECTIFIERS

CTS of Canada Limited
Erie Technological Products
of Canada Limited
Syntron (Canada) Limited

RELAYS

Anro Electronic Industries Ltd.
Automatic Electric (Canada)
Limited
Darcy J. H. Limited
Esna Limited
Faraday (Canada) Limited
Jarry Electronics Limited
Multi-State Devices Ltd.
Northern Electric Company Limited
Olivax
Renfrew Electric Company Limited
Ward Leonard of Canada Limited

RESISTORS

Composition

Canadian Stackpole Limited
Renfrew Electric Company Limited

Film

Constanta Co. of Canada Ltd., The
RKO Industries Limited
Welwyn Canada Limited

Glazed

Dale Electronics Canada Ltd.
Renfrew Electric Company Limited

Network and Wafers

Garrett Manufacturing Limited
O & W Electronics Limited
RKO Industries Limited

Power

Renfrew Electric Company Limited
Ward Leonard of Canada Limited

Ribbon

Constanta Co. of Canada Ltd., The

Variable

Amphenol Canada Limited
CTS of Canada Limited
Dale Electronics Canada Ltd.
Precision Electronic Components
(1971) Ltd.
Renfrew Electric Company Limited
Ward Leonard of Canada Limited

Wire-Wound

Canadian Research Institute
Dale Electronics Canada Ltd.
Renfrew Electric Company Limited
Ward Leonard of Canada Limited

SEALS

Quality Hermetics Limited

SENSORS

Constanta Co. of Canada Ltd., The
Multi-State Devices Ltd.
RCA Limited

SERVOS AND SYNCHROS

Novatronics of Canada Limited

SOLDER AND FLUXES

Cramco Solder Alloys

SOLENOIDS

Anro Electronic Industries Ltd.
Darcy J. H. Limited
General Magnetic Products
of Hawkesbury Limited
Jarry Electronics Limited
Olivax

SOLID-STATE DEVICES

Bowmar Canada Limited
Canadian Marconi Company
Epitek Electronics Ltd.

Components Section (Con't.)

Garrett Manufacturing Limited
General Instrument of Canada Ltd.
Micro-Com Electronics Ltd.
Microsystems International Limited
Multi-State Devices Ltd.
National Semiconductors Limited
RCA Limited
Syntron (Canada) Limited
Westinghouse Canada Limited

SWITCHES

Automatic Electric (Canada) Limited
Centralab Canada Limited
CTS of Canada Limited
Darcy J. H. Limited
Desitron Company Limited
Esna Limited
Faraday (Canada) Limited
Geleco Electronics Ltd.
General Precision Industries Ltd.
Harpek Oak Ltd.
Northern Electric Company Limited
C. R. Snelgrove Co. Limited

TELEPHONE COMPONENTS

Amphenol Canada Limited
Automatic Electric (Canada) Limited
Bayly Engineering Limited
Northern Electric Company Limited
Osborne Electric Company Limited
Quality Communication Products Ltd.
Superior Continental Canada Ltd.

TELEVISION COMPONENTS

Automatic Coil Manufacturing Ltd.
Automatic Winding Corp. Ltd.

General Instrument of Canada Ltd.
Lindsay Specialty Products Ltd.
Philips Electronics Industries Limited
RCA Limited
Smallwood S. G. Ltd.

TERMINAL BOARDS

Avionics Limited
Darcy J. H. Limited
Graphico Precision Works Ltd.
Harper Oak Ltd.
Lake Engineering Co. Limited
Renfrew Electric Company Limited
Space Circuits Ltd.
Superior Continental Canada Ltd.

THERMOSTATS

Harper Oak Ltd.

TIMING DEVICES

Darcy J. H. Limited
Esna Limited
Olivax

TRANSFORMERS AND INDUCTIVE COMPONENTS

Anro Electronic Industries Ltd.
Audio Transformer Company Limited
Austin Insulator Division,
Decca Radar Canada (1967) Limited
Automatic Coil Manufacturing Ltd.
Automatic Electric (Canada) Limited
Canadian Marconi Company

Canadian Research Institute
Electronic Craftsmen
Ferritronics Limited
General Instrument of Canada Ltd.
General Magnetic Products
of Hawkesbury Limited
Hammond Manufacturing Company Limited
Jarry Electronics Limited
Lindsay Specialty Products Ltd.
Olivax
Osborne Electric Company Limited
Polygon Industries Limited
Quality Communication Products Ltd.
RCA Limited
Smallwood S. G. Ltd.
Valeriotte Electronics (Guelph) Ltd.

TUNERS

General Instrument of Canada Ltd.
RCA Limited

WIRE, CABLE AND CONDUIT

Amphenol Canada Limited
Boston Insulated Wire and Cable Company Limited
Canada Wire and Cable Company Limited
Digital Components Limited
Eastern Wire and Conduits Limited
Fabricon Manufacturing Limited
Jarry Electronics Limited
Northern Electric Company Limited
Phillips Cable Limited

WOODEN CABINETS

RCA Limited

canadian trade offices

Further information concerning the electronics industry in Canada may be obtained from the following Canadian Trade Offices:

ALGERIA

Commercial Secretary
Canadian Embassy
Boîte Postale 225
Grande Poste
Algiers

ARAB REPUBLIC OF EGYPT

Commercial Secretary
Canadian Embassy
Kasr le Doubara Post Office
6 Mohamed Fahmy El Sayed Street
Garden City
Cairo
Tel: 23110
Cable: CANADIAN

ARGENTINA

Commercial Counsellor
Canadian Embassy
Casilla de Correo 3898
Suipacha 1111
Buenos Aires
Tel: 32-9081
Telex: 121283 (121383AR CANAD)
Cable: CANADIAN

AUSTRALIA

Commercial Counsellor for Canada
P.O. Box 3952, G.P.O.
A.M.P. Building, 21st Floor
Circular Quay
Sydney
Tel: 27-7565
Telex: 089 20600
(CDN GOVT AA 20600)
Cable: CANADIAN

Commercial Counsellor for Canada
Princes Gate East Tower, 17th Floor
151 Flinders Street
Melbourne 3000
Tel: 63-8431
Telex: 089 30501
(CDN GOVT AA 30501)
Cable: CANADIAN

Commercial Counsellor
Canadian High Commission
Commonwealth Avenue
Yarralumla 2600
Canberra ACT
Tel: 73-2541
Telex: 089 62017
(DOMCAN AA 62017)
Cable: DOMCAN

AUSTRIA

Commercial Counsellor
Commercial Division
Canadian Embassy
Dr. Karl Luegerring 10
1010 Vienna
Tel: 63-36-91
Telex: 75320 (DOMCAN A)
Cable: CANADIAN

BELGIUM

Commercial Counsellor
Canadian Embassy
rue de la Science, 35
B-1040 Brussels
Tel: 13.79.40
Telex: 21613 (DOMCAN BRU)
Cable: CANADIAN

BRAZIL

Commercial Counsellor
Canadian Embassy
Caixa Postal 2164-ZC-00
Edificio Metropol
Avenida Presidente Wilson 165
Rio de Janeiro
Tel: 242-4140
Telex: 031430 (DOMINION RIO)
Cable: CANADIAN

Consul and Trade Commissioner
Canadian Consulate
Caixa Postal 6034
Edificio Scarpa
Avenida Paulista, 1795, 9 andar
Sao Paulo
Tel: 287-2122
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Telex: 11061 (DOMCAN PHA)
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