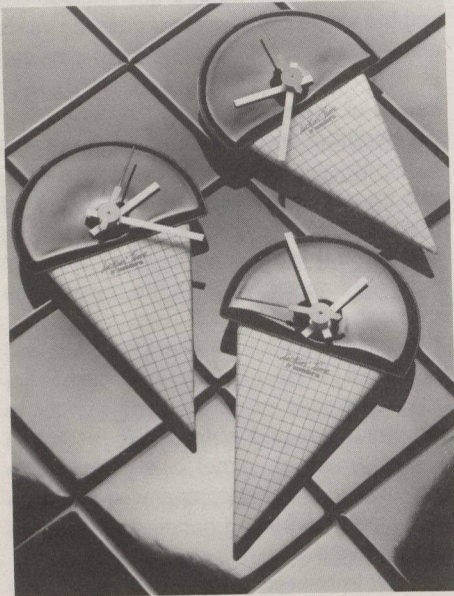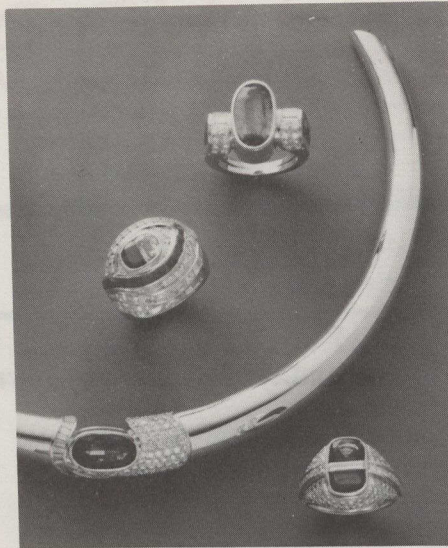of uses including cosmetics, opticals, gifts, coins, watches and other precision instruments. In addition, Impenco manufactures a wide selection of plastic and paper boxes, and one of Canada's most extensive selections of plastic containers.

Limited edition prints

The Great Canadian Print Company from Winnipeg, Manitoba offers original silk-screened and hand-printed Indian art prints by recognized Canadian Indian artists like Clemence Wescoupe, David B. Williams and Robert Kakegamic. Subjects include powerful stylized nature images: such as a flight of Canada geese; a brace of loons; Indian braves; and animal spirits. The prints, on

A number of companies at the fair in Birmingham are displaying jewellery set with precious and semi-precious stones.

acid-free paper, come in limited editions of 99 to 150 copies. Each is signed, numbered and titled by the artist.

Pewter originals are being shown by Seagull Pewterers & Silversmiths, of Pugwash, Nova Scotia. Cast and spun pewter original designs, include picture frames, ornaments, goblets, candlestick-holders, bowls, vases, key chains, country hooks and holloware.

Umbra Shades Limited of Scarborough, Ontario manufactures vinyl tabletop and gift products such as coasters, place mats and soft vinyl wall clocks. The company's original line of products provide accents of bright splashes of vibrant reds, blues and yellows. They have become increasingly popular and are marketed nationally and internationally.

Ice cream cone shaped quartz clocks by Umbra Shades Limited.

Notecards and gift enclosures from Immagini Fine Papers of Vancouver

Telesat in Australia

Telesat Canada of Ottawa, Ontario has installed a Telemetry, Tracking and Command (TTAC) antenna at an AUSSAT facility near Perth, Australia, which will allow the company to provide commercial satellite tracking services in 1985.

Working with the specialized antenna in Australia and a similar Telesat antenna in Allan Park, Ontario, some 90 miles north west of Toronto, Telesat will be able to give complete Transfer Orbit Services (TOS) during the launch of geostationary communications satellites.

During a launch, the TTAC system is used when the satellite is released from a space shuttle or rocket and put in a transfer orbit. It commands on-board systems to manoeuvre the satellite into final geostationary orbit 35 800 kilometres above the equator, and verifies its position in space.

Both of Telesat's TTAC antennas operate in the 14/12 GHz band as well as the more common 6/4 GHz frequency band.

Telesat's first use of its new global coverage tracking services will be tracking its own *Anik C1* communications satellite, scheduled for launch by NASA's space shuttle *Challenger* in February 1985.

TOS customers may opt to use one or both Telesat stations. Australia, will use the Allan Park facility for the launch of its first communications satellites, in July and November 1985.

Telesat Canada owns and operates Canada's five *Anik* satellites, and provides a range of satellite system services, hardware and consulting to other countries.

Water flow curb used abroad

A computer system that controls overflows in urban storm and sanitary sewers and prevents flooding has been developed by the computational hydrology group at McMaster University in Hamilton, Ontario.

The group, in McMaster's civil engineering department, has supplied the system to users in the United States, Sweden, Denmark, South Africa and Australia.

The system uses micro-computers and software that models rainstorms and their effects. Run-off flows are curbed by computerized control gates and flow gauges that redirect them. The aim is to divert hazardous wastes into storage areas during sudden storm run-offs so that polluted waters do not escape into pollution control systems. The cleaner water that follows the first run-off is allowed to flow separated from pollutants.

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