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A new era for Canada promised in throne speech

Canada's thirty-third Parliament opened on November 5 with a speech from the throne read by Governor General Jeanne Sauv  that promised "a new era of national reconciliation, economic renewal and social justice".

The speech pointed out that, as all the regions of Canada were represented in the federal government, it was an opportune time "to build a renewed national consensus". In a three-part program of economic renewal, the government said it would remove obstacles to growth and attract new investment that would create new economic activity and additional federal resources. The government also said it would fulfil its social policy promises made during the election campaign. The throne speech of the first session of the new Parliament led by Prime Minister Brian Mulroney outlined the legislation that will be introduced by the government during the session.

Following are excerpts from the throne speech:

...First, you must critically examine the relationship of Parliament with the people of Canada. Members of the House of Commons will be asked to approve the appointment of a parliamentary task force on reform of that House. The central focus of this task force will be the enhancement of the role of the private member....

Second, the massive undertaking that is the government of Canada must be made to respond to the individual citizen.... A committee of ministers headed by the deputy prime minister has begun a review of all government programs. The objective is to reform and simplify the operations of government. From the citizen's standpoint, government will be made more understandable, more accessible, and more sensitive.

The taxation system will be made simpler and fairer and more accountable to the people's representatives in Parliament. The rights of taxpayers must be protected. In particular, legislation will be presented to ensure that no taxpayer has to pay taxes in dispute before an impartial hearing has been concluded.

Thirdly, a priority goal of my ministers will be to breathe a new spirit into federalism and restore the faith and trust of all Canadians in the effectiveness of our system of government....

My government's management of federal-provincial relations will pursue three basic objectives: to harmonize policies of our two



The governor general reads the throne speech of the first session of Canada's thirty-third Parliament in the Senate to members of the House of Commons and senators.

orders of government, to ensure respect for their jurisdictions, and to end unnecessary and costly duplication.

National unity also demands that the two levels of government co-operate in supporting official language minorities and in fostering the rich multicultural character of Canada. My government is committed to ensuring that the equality of the two



External Affairs
Canada

Affaires ext rieures
Canada



Canapress

Prime Minister Brian Mulroney with Governor General Jeanne Sauvé before the reading of the throne speech, on November 5.

official languages — so vital to our national character and identity — is respected in fact as it is in law....

Economic renewal

First ministers will meet next week to discuss the agenda for a first ministers' conference on the economy. My government will soon announce the date of a national economic summit to bring together important groups in our economy.

At the table will be representatives of groups such as consumers, women, native peoples, business, labour and government. Their goal is to establish a new and productive climate and context for economic decision-making in Canada....

There are some important initial steps that the federal government can take to help generate economic renewal. The three-part strategy of my ministers is to restore fiscal responsibility, remove obstacles to growth, and encourage new investment.

Later this week the minister of finance will describe in detail the state of the economy and of federal public finances. He will announce a plan designed to reduce the deficit in an orderly, balanced and fair manner, and to control the growing burden of the public debt....

Second, my government will pursue approaches to improve the efficiency and flexibility of our capital markets; to improve job opportunities for Canadians through responsive market-oriented training programs; and to increase investments in research and development to improve our productivity....

Third, my government will introduce for consideration during this session proposals

to enhance risk-taking, innovation and reward among entrepreneurs, especially in the small- and medium-sized business sector....

Social justice

My government is determined to ensure that social justice in Canada keeps pace with the changing needs and circumstances of our people. In this respect the most significant development of recent years is the greater participation of the women of Canada and their rightful claim to equality with men everywhere in our society....

Economic equality is the vehicle through which women will come to full partnership and participation with men in our society. Parliament has committed the federal jurisdiction to equal pay for work of equal value....

You will be asked to consider a number of important legislative initiatives, including removal of the discriminatory clauses in the Indian Act, amendments to the Divorce Act, and measures to control pornography and sexually abusive broadcasting. My ministers will shortly be initiating discussions with the provinces to establish a national system for the enforcement of maintenance orders. In consultation with the provinces, my government will take action to provide additional assistance to the victims of family violence.

My government has as a high priority measures to support and strengthen the Canadian family.... The need for accessible and affordable child care has in recent years come to the forefront of the social agenda

facing Canada. In an effort to reach a national consensus on options in this area, you will be asked to establish a parliamentary task force on the future of child care in Canada.

...It is time to recognize also the responsibility we all share to bring those amongst us who suffer from physical and mental disabilities into the productive mainstream of Canadian life.

My government will enter discussions with the provinces aimed at a comprehensive overhaul of the Canadian pension system, including such matters as portability, vesting, survivors' benefits, and pension coverage of women....

Consultations will also begin with the provinces to consider the most effective means of providing increased federal support for the improvement of community-based health care.

During the coming session, you will be asked to consider legislation to extend the income tested spouse's allowance to widows and widowers aged 60 to 64 regardless of the age of their spouse at death. My ministers will introduce measures to improve the financial situation of Canada's war veterans....

During this session, Parliament will be asked to consider amendments to the Criminal Code to deal more effectively with impaired driving, soliciting, computer crime, and sentencing. We will work closely with the provinces in the areas of family law, crime prevention and assistance to victims of crime....

Canadian internationalism

In Canada's past there is a luminous tradition of internationalism. Canadians have fought in two world wars and in the United Nations action in Korea. Our armed forces have served in peacekeeping roles in distant lands. Our statesmen have been at the forefront in the founding of NATO and in the quest for arms control. Our country has successfully championed racial equality at critical moments in the life of the Commonwealth, and through private and public agencies contributed to international development.

It is the purpose of my government to renew this tradition of constructive Canadian internationalism.

Our relationship with the United States affects virtually every aspect of our national life. It is essential to our security and prosperity....

There are many areas where the national interests or the national policies of the two countries diverge or compete. There are, as well, numerous and as of yet untapped possibilities for fruitful co-operation between our two countries. Restoring a climate of good-

(continued on P. 8)

Throne speech highlights

- Begin a "new era of national reconciliation, economic renewal and social justice";
- Work to bring Quebec into the constitutional accord and to end duplication in federal and provincial programs;
- Review foreign policy;
- Improve the child-care system;
- Hold a national economic summit, involving government, business, labour, consumer groups, natives and women;
- Move urgently to reduce the deficit;
- Simplify the taxation system;
- Increase employment opportunities for women in government and its agencies;
- Seek talks with the provinces to overhaul the pension system;
- Continue to improve relations with the United States;
- Ensure that Canada plays a full part in NATO;
- Tighten early prison release and introduce administrative measures to better protect the public and police.

Gas export boost result of new agreement

An additional 127.5 million cubic metres of natural gas will be exported by Westcoast Transmission Company Limited of Vancouver, British Columbia to the Northwest Pipeline Corporation as a result of a new gas export price agreement that became effective on November 1.

Amendments to the Gas Export Prices Regulations by the federal government made it possible for Westcoast to arrange the agreement with the important US natural gas pipeline company that serves a large part of the Pacific northwest, including the states of Washington, Oregon and Idaho.

Minister of Energy, Mines and Resources Pat Carney said the sale would help Canadian producers regain the high-volume industrial market in the northwest US.

Division of rates

The agreement provides for a two-part rate — a fixed demand charge to be paid on a monthly basis by Northwest and a commodity rate to be paid for each unit sold. Such a rate structure provides an incentive for the export customer to take more gas by effectively lowering the unit price as greater volumes are purchased, said representatives of Westcoast.

Under the new arrangement, the company estimates the average price will be approximately \$3.40 (US) for 1 000 cubic feet in the first contract year, and will result in expected minimum sales of roughly 115 billion cubic feet of Canadian gas, for

a total revenue of \$392 million, compared with a total estimated sale of 78 billion cubic feet for a total revenue of \$323 million if the previous export arrangements had remained in place.

The agreement calls for a price adjustment in the second year of delivery, beginning November 1, 1985, which is expected to result in an average price of approximately \$3.65 for 1.06 million kilojoules under current conditions.

A mechanism in the agreement provides for a mandatory quarterly adjustment of the price starting April 1, 1985, if alternative fuel prices change. The pact also allows for future renegotiation of the price by either party if the current method of determining the price is considered to be inappropriate for the market being served.

With respect to volume, the agreement replaces the typical minimum take-or-pay provision with a market-share provision. Under this concept, Westcoast will be assured that a specific percentage of Northwest's total market will be purchased from Westcoast.

In the first year, Northwest is committed to purchasing 42.5 per cent of all of its gas sales requirements and 75 per cent of the gas volumes required to meet market growth from Westcoast. In the second year of the contract and thereafter, this increases to a market share of 45 per cent, along with 75 per cent of all growth requirements, until a 50 per cent share has been achieved.

Aid to victims of conflict

Minister for External Affairs Monique Vézina has announced that Canada will give \$3 750 000 to the International Committee of the Red Cross (ICRC) for its humanitarian work in assisting victims of conflict. Two million dollars has been designated for the ICRC's program in Africa, \$1 million for the program in Central America, \$400 000 for the work in Iran and Iraq and \$350 000 for the ICRC's activities in the southern Philippines.

The recent Canadian contribution for Africa is a result of an appeal by ICRC for \$37.3 million to enable the Committee to carry out its regular program in Africa and expand its activities in Angola, Uganda and Ethiopia. Part of Canada's contribution will provide three Canadian nurses for the work of the ICRC in Angola. Earlier this year, Canada made a grant of \$500 000 to the ICRC for humanitarian activities in the Horn of Africa and pledged 5 000 tonnes of wheat flour for its feeding program in Ethiopia. In 1978-79, Canada gave \$1.75 million to ICRC's total humanitarian program in Africa and has continued to support the program with an annual \$2-million grant.

The ICRC has been active in Central America, especially with respect to aiding the victims of the continuing internal conflict in El Salvador and Nicaragua since 1979 and the Canadian International Development Agency (CIDA) has been contributing to its program since 1981. During 1983-84, CIDA granted \$975 000 for the ICRC's program in El Salvador and \$50 000 for the Committee's activities in Nicaragua and Honduras.

Since 1981, Canada has contributed \$800 000 to the ICRC to aid victims of the Iran-Iraq conflict. ICRC work in the area involves protecting prisoners of war; tracing prisoners and informing home governments and families of their whereabouts; overseeing repatriation of the sick and wounded; and giving general relief and medical assistance to prisoners of war and displaced civilians. The general relief includes distribution of clothing, blankets, food and hygiene supplies and the medical assistance includes provision to dispensaries of basic drugs and medical equipment.

Canada's contribution for the Philippines will assist victims of civil disturbances and displaced persons in the southern islands of Mindanao and Samar. Activities covered by ICRC's program there include the distribution of emergency rations, the provision of supplementary rations for malnourished children, maintenance and expansion of basic medical services and other assistance.

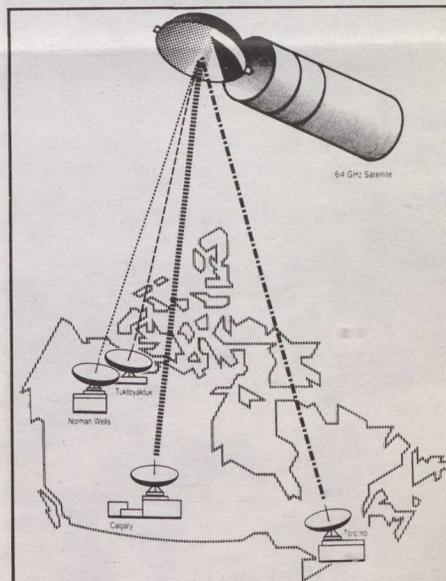
First satellite link in industry

Imperial Oil Limited has become the first Canadian company to have its own private satellite communications network.

The system was designed and installed for the petroleum company by Telecom Canada, the association of Telesat Canada and nine major telephone companies.

The satellite network consists of a dedicated earth station and radio frequency equipment located at Imperial's premises. It will provide integrated voice and data communications between the company's locations in Toronto, Ontario; Calgary, Alberta; and Tuktoyaktuk and Norman Wells in the Northwest Territories.

"Imperial Oil's network is just the beginning of what I see to be the widespread use of satellite communications by Canadian businesses," said Mike Corlett, senior vice-president of Telecom Canada's national systems group.



New satellite connection is a first for the Canadian telecommunications industry.

Cold weather survival studied at research foundation

John and Mary, two manikins, are helping the Ontario Research Foundation (ORF) improve standards of insulation for sleeping bags, parkas and emergency cold-weather clothing.

Mary's job is to lie down on the lab bench bed, usually zippered up in a sleeping bag. Her skin is kept at a constant temperature by about 60 watts of power, evenly distributed in her body by small internal fans.

John generally stands around — often dressed in a parka or wrapped in various fabrics. Like his partner, he too is wired to electric power and temperature monitors.

Temperature recorded

The manikins record the amount of heat lost through various clothing and covers. By using the ORF tests, manufacturers are able to determine just how chill-proof their winterwear is.

Mary's skin temperature is recorded at 12 different points by thermocouples connected to a data logger. During testing the temperature outside the sleeping bag is maintained at a constant level, perhaps 30 degrees Celsius colder than the manikins' skin.

The amount of power needed to maintain the skin temperature using heaters and fans is also carefully measured. Power usage is then directly equated to the amount of heat

loss from the bag. This enables the scientists to give each bag being tested an accurate rating in its Clo value. Clo is measure of effectiveness for the different items people wrap themselves in to keep out the cold. Normal dress for a sunny day has a thermal comfort value of 1 Clo; winter bundling could achieve 3 Clo.

Richard Mortimer, who is an associate research scientist working on the experiment, says:

"By using a manikin we can simulate the air spaces and points of contact that a human would make within the bag. This is one reason why the Clo values we obtain in our laboratory are very close to those encountered in actual use.

"Ontario Research has tested the insulative values for a number of cold weather items such as gloves, footgear and various fabrics. With the development of our Manikin Extreme Weather Apparel Comparator (Mewac) System, we can now test complete survival outfits as well as sleeping bags."

Further research

In addition to stepping up survival tests which are important to anyone stranded while skiing, or making a forced airplane landing in sub-zero conditions, future research will deal with immersion suits. These suits are used by helicopter pilots on rescue

missions, and relied on by anyone in danger of being immersed in an ice-cold ocean.

Manufacturers readily accept the results of the tests conducted by the ORF Textiles and Clothing Technology Centre, saying these have provided them with a much clearer picture of sleeping bag performance, and indicating a number of directions to be explored when developing new products.

Research shows that bags made with a series of tightly woven liners between insulative layers give improved performance, and hollow-filament polyester fibres achieve good results at less expense and have longer service life.

(From Ontario Business News.)

Personal computers transmit graphic information

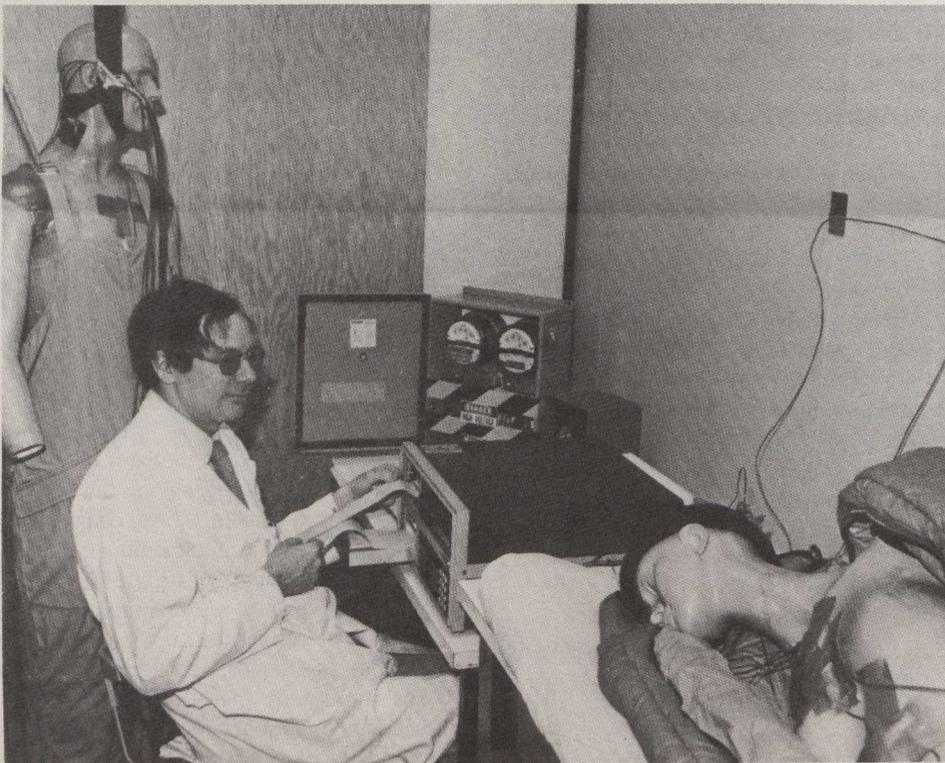
Microtaure Inc. of Ottawa has introduced what it believes is the first software that allows International Business Machines (IBM) personal computer users to create business graphics in videotex format.

According to Robert Brunet, IBM's vice-president of marketing, the new Graphtel product allows personal computer users to transmit graphic information to other computers with videotex capability, independent of brand, along standard telephone lines. There are many business packages available for the IBMs, but this is the first available commercially that automatically creates the graphics data in videotex format, said Mr. Brunet.

Users are able, in a few keystrokes, to convert data on major microcomputer spread-sheet packages into 20 graphic variations in common use in business applications. They can then be transmitted by normal telephone line to any other microcomputer that meets the accepted videotex standards, known as NAPLPS. A central computer or data base is not required.

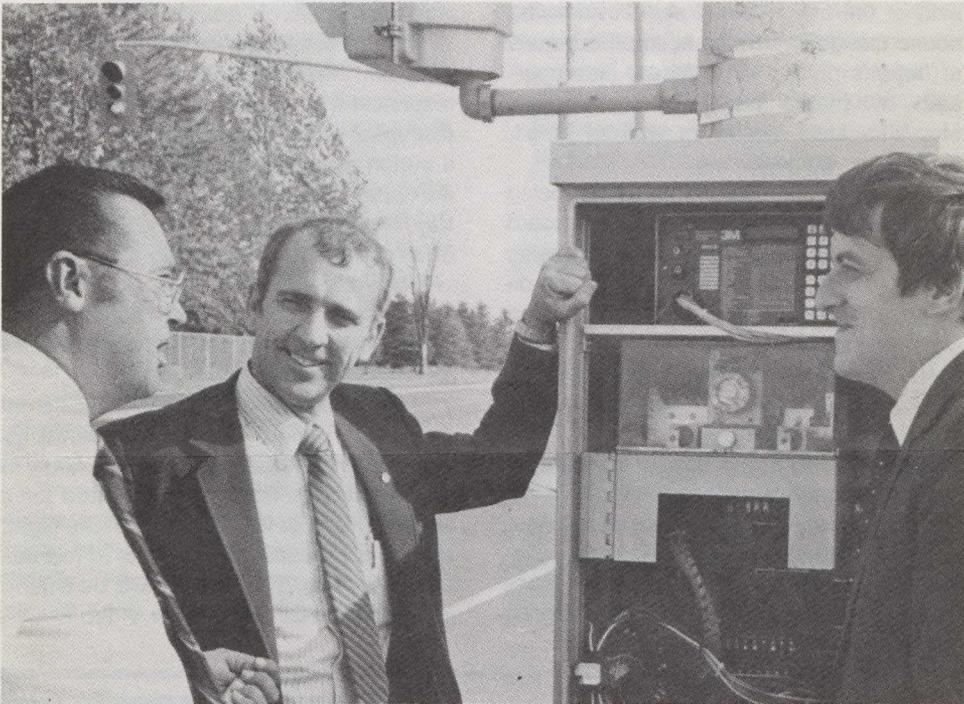
The product is based on Micrograph, a business graphics generator created two years ago by Willy Verbestel of Aylmer, Quebec. The generator was upgraded giving it more features, and Microtaure Inc. added its videotex decoder.

The system is compatible with Microtaure's new HELIOgraph system that allows videotex pages to be created by the user for translation into slides for remote presentations and for transmission to other computers. Without Graphtel, users can form graphic shapes such as bar graphs or rectangles, but have to key in the dimensions manually. The new package picks up the dimension information directly from the spreadsheet software.



Associate research scientist Richard Mortimer sits in a laboratory of the Ontario Research Foundation with John and Mary, two of the foundations' most dedicated employees.

No-cable traffic signals rival centralized systems



Bill Woolford (left) of 3M, Leo Givogue of Cornwall Electric (centre) and Traffic Engineer Ewald Kuczera with one of the city's cableless traffic signal interconnection systems.

The city of Cornwall, Ontario, is the first municipality in Canada to adopt a cableless interconnection system for over-all co-ordination of its traffic signals that offers most of the major benefits of a fully centralized computer system.

Individual Intersection Management System (IMS) units from 3M Canada, which use a precision timer in conjunction with a built-in microprocessor for full 52-week programming of signal functions, were installed in 34 of Cornwall's 39 signalized intersections in 1981. They replaced the hardwired system that provided only a simple seven-day repeating cycle.

Wide control versatility

The no-cable units have proven to be not only more reliable than a hardwired system but provide exceptional control versatility that rivals a hardwired central computer system.

Each unit has programming capacity for up to 16 different single-day programs, the choice of five full-week programs and the ability to designate 30 "exception" days which can be isolated to handle unusual traffic demands throughout the year. This means that virtually any foreseen change in the city's traffic flow patterns for at least a full year, including statutory holidays, seasonal variations, special community events and transitions between standard and daylight time can be accommodated.

Installation costs about \$5 000 per

intersection including the IMS units, installation and several extra control cabinets. This is estimated to be considerably less than for a central computer system.

While Cornwall traffic engineer Ewald Kuczera estimates that hardwiring the signals would have been about the same as installing the IMS, the line lease costs would have been an additional, ongoing expenditure in a hardwired system.

Less maintenance

The IMS units have led to a dramatic reduction in maintenance time when compared to the original system, according to Leo Givogue, metering supervisor for Cornwall Electric. This municipal utility carries out installation and maintenance of signals, under contract with the city's Traffic and Parking Division.

Previously, a person had to check intersections every two weeks, resetting controllers that had been put out of synchronization by short power interruptions. This alone meant an expenditure of about \$4 000 per year over and above any emergency work performed.

"Even then, we couldn't guarantee the signals were always timed properly, since of course a power interruption could occur any time during the two-week maintenance cycle," said Mr. Givogue. This incurred needless delays and more stops for motorists, which meant increased

fuel consumption and greater potential for rear-end collisions.

Mr. Givogue said the regular maintenance schedule now involves a one-day inspection round by one person every four months, and the reliability of the IMS units indicates the schedule may be cut to a single annual inspection.

Maintenance is simplified further by the fact that, with the exception of offsets, all common programming can be performed on a spare unit while at the shop or office and transferred later to a field unit.

The IMS units, however do not provide all of the features of a centralized computer system. The chief exceptions are the ability to "trouble-shoot" intersections remotely and to use real-time, traffic responsive control of timing plans based on traffic density and other information fed back to the computer by detectors. Mr. Kuczera points out that these benefits are more critical to larger municipalities with hundreds of intersections to maintain and severe capacity problems.

Also, a centralized system would require the full-time attention of at least one employee. "It would be difficult to justify the expense of one person simply to look after the co-ordination of 39 traffic signals," said Mr. Kuczera.

To increase the efficiency of the IMS units even more, two additional dials in all controllers are being installed. This will allow lengthened signal cycles on busy routes during peak traffic hours, using the IMS unit's ability to switch from one dial to another. This also will allow initiation, at no extra cost, of split phases such as advanced and delayed greens when required, night-time flash operation, and different offsets and splits to accommodate special events such as those at the city's Civic Complex.

(From Civic Public Works Magazine.)

Fund for research projects

A \$1-million annual fund has been created to give money to public and private Canadian companies that share research projects with companies from other countries on new information technologies.

The International Collaboration Assistance Fund will give up to \$200 000 to each project, that may include exchanging information or scientists and developing new technologies used for information systems.

Applications will be evaluated in light of Canada's foreign policy objectives in science and technology, the importance of the transfer of knowledge to Canada and the likelihood that the transfer will lead to technological innovation.

Video games fly high aboard Canadian airplanes

Canadian Pacific Airlines Ltd. (CP Air) of Vancouver will offer computer-generated electronic games on its aircraft beginning in January 1985. It is one of the first airlines to offer this type of in-flight entertainment.

CP Air's "arcade in the sky" will allow passengers to play mystery games, Star Wars-type games, sports games and quizzes, at their seats.

Dual purpose trays

Special seat trays that will also double as dining trays, are being installed by Air Video, a Toronto-based company whose vice-president and general manager, Michael Thorek, developed the concept.

The seat tray becomes a playing board, with a built-in computer, on which is located a liquid crystal display video-type screen. The game is operated by thumb pressure from a "joy board" set on the right-hand

side of the tray. A head set provides the sound that goes with the action. Four rows of buttons on the left side are also operated by thumb pressure, and feature stop-and-start moves as well as "fire", for the war game series.

Some 7 000 trays are currently being manufactured and are being placed aboard CP Air's 36 aircraft. The first games are being put on two of the airline's *Boeing 737s* on domestic flights. The other aircraft will be converted to house the games as they come in for their main maintenance checks.

Positive test results

Testing by CP Air last year of the system brought a positive response with about 30 per cent of passengers ordering the games.

The concept is novel. A games dispenser, weighing about 450 grams, contains all the games, which are stored

on 9-centimetre floppy discs. The dispensers are provided to flight attendants who wear them on a belt at their waists.

When a passenger requests a game, the attendant enters the game number on the dispenser's keyboard, and then points the dispenser at the passenger's tray, presses a button and the game is transmitted from the floppy disc by infrared light beams to the tray. The transaction, including the provision of a receipt, takes less than a minute.

The dispenser can also provide full inventory control of bar, headset and duty-free sales, as well as game sales, by storing transaction information.

The games are programmed with different degrees of difficulty and new ones will be introduced continually to maintain variety in the selections. They can be rented for a specified time or for the length of the flight, and will automatically stop ten to 15 minutes before landing. The revenue will be shared jointly by the CP Air and Air Video.

Arctic tragedy solution sought by scientists

Three scientists from the University of Alberta are attempting to discover why all the seamen and scientists who were with the ill-fated Franklin expedition of 1845-1848 left their ships and eventually died.

Physical anthropologist Owen Beattie, pathologist Roger Amy and Eric Damkjar, an Arctic archeologist, spent three weeks last summer on Beechey Island in the central Arctic searching for clues of the fate of the expedition.



Body of John Torrington exhumed in the Arctic was almost perfectly preserved by the permafrost.

The body of John Torrington, a 20-year-old petty officer who died in the spring of 1846 and whose grave was discovered in 1850, was exhumed and tissue samples were taken to conduct tests searching for the cause of death. The body, which was almost perfectly preserved in the permafrost, was thawed in a bath of water.

Pneumonia a likely cause of death

As a result of the tests conducted to date, "the most likely direct cause of death of petty officer Torrington, on the basis of the scant tissue evidence available, was pneumonia", said Dr. Amy.

Dr. Beattie said the eventual findings of the pathologists on the early deaths, added to information gleaned from skeletal remains found in other locations, will offer clues as to why all the seamen and scientists eventually died.

The expedition, under Sir John Franklin, left Britain in 1845 to sail the Northwest Passage and collect scientific data. During the winter they were locked in the ice near Beechey Island, but the jams cleared in late summer and the two ships, *Erebus* and *Terror*, pressed on towards the south of King William Island, where they became trapped by the ice in the winter of 1846-47.

Sir John Franklin died in June 1847. In April 1848, the 105 survivors of the original 129-man complement abandoned their ships and moved south.

A note that was left behind said they



Hand of John Torrington.

left the ships hauling lifeboats and they were making for the mouth of the Back River on the mainland.

"They left the ship...either to await rescue perhaps at the mouth of the Back River or perhaps even to row upriver into mainland Canada to a Hudson's Bay post," said Dr. Beattie.

It was not until 1879 that a United States expedition under Lt. Frederick Schwatka, searching for clues, confirmed the tragic end to the endeavour. Lt. Schwatka found the skeletons of the last of the crew on a desolate stretch of the mainland which he named Starvation Cove.

The tragic march of the men has been well documented, as far back as the 1850s, where they walked and where they died. The ships have yet to be discovered as well as the reason why the men left the ships.

Toronto's Bach 300 festival

A series of concerts and recitals by internationally acclaimed Canadian, US and European artists are being scheduled in Toronto, Ontario from March 8 to 24, 1985, to mark the three-hundredth anniversary of the birth of Johann Sebastian Bach.

Canadian participants will include: flutist Robert Aitken, the Moe Koffman quintet, mezzo-soprano Maureen Forrester, tenor Mark DuBois, harpsichordist Scott Ross, organist Mireille Lagacé, singer Ann Mortifee, the Canadian Brass and jazz pianist Oscar Peterson. Mr. Peterson will perform his own concerto for piano and orchestra commemorating the anniversary of Bach's birth on March 21.

Among the other well-known musicians invited to take part in the festival are: French flutist Jean-Pierre Rampal, British harpsichordist Trevor Pinnock and American jazz pianists Keith Jarrett and Chick Corea.

Films win awards in Paris

Canada was the grand winner of three awards at the fifteenth l'Union internationale des associations techniques cinématographiques (UNIATEC) conference held in Paris, France in October.

One of UNIATEC's two awards for excellence went to Toronto filmmaker Wilson Markell for his film *Un essai de colorisation*. The National Film Board's *Zea*, an experimental film directed by André Leduc and Jean-Jacques Leduc, earned one of the five awards of honour and Norman McLaren received a special award for his life's work in filmmaking and for his most recent and last film *Narcissus/Narcisse*.

Members of UNIATEC include technical film associations from both eastern and western countries. Two notable members are the Society of Motion Picture and Television Engineers (SMPTE) and the British Kinematograph, Sound and Television Society (BKSTS).

Paperback prizes

The eighth annual Author's Awards, designed to honour outstanding English-language paperback books and mass-market magazine articles and short stories, were presented recently in Montreal.

Toronto writer Timothy Findlay won first place in the fiction category for his *The Last of the Crazy People*, a disturbing account of a summer in an 11-year-old boy's life. Heather Robertson's *Willie: A*

Romance, a witty account of Prime Minister MacKenzie King's life, took second place.

Intrepid's Last Case, by William Stevenson, author of the successful *A Man Called Intrepid*, won in the non-fiction category, with Vancouver columnist Allan Fotheringham's *Look Ma ... No Hands*, a biting look at the federal Conservatives placing second.

Richard Rohmer, who has written a

number of bestsellers, was named author of the year, while Dennis Jones's *Rubicon One* was named book of the year. Both are non-financial awards designed to recognize such factors as sales and popularity.

The annual awards are sponsored by the Foundation for the Advancement of Canadian Letters in conjunction with the Periodical Distributors of Canada.

Western Canadian printmaker honoured in exhibition

The Winnipeg Art Gallery recently commemorated the one-hundredth anniversary of the birth of one of its talented and noteworthy artists with an exhibition of his works.

The exhibition, *Walter J. Phillips: Printed Works*, included a selection of etchings, colour wood blocks, wood engravings, drawings and watercolours created by the artist during his career as a printmaker when he lived in Winnipeg. The works were drawn largely from the collection of The Winnipeg Art Gallery, with selections from the collection of John P. Crabb of Winnipeg.

Walter J. Phillips was born in England in 1884. He emigrated to Winnipeg with his family in 1913 and in addition to teaching commercial and art subjects began to create etchings. In 1940, he accepted a teaching position at the Banff School of Fine Arts and in 1941 moved to Calgary, Alberta to teach at the Institute of Technology and Art. He died in Victoria, British Columbia in 1963.

Woodblock printing technique

Etching was one of the earliest mediums that Walter Phillips worked in but he soon became dissatisfied with its black and white limitations. During his service in the First World War he discovered woodblock printing, a long-neglected European technique, experiencing a western revival under the influence of imported Japanese prints.

In woodblock printing, the artist uses a block of wood formed by cutting along the woodgrain. This surface is engraved with knives, gouges and/or chisels to produce a relief design. When the design is inked and a piece of paper laid over it and then rubbed, the design impression is transferred onto the paper.

A colour woodblock requires a separate block for each colour; each block must be carefully aligned or "registered" to ensure correct placement of the colour areas. By using various techniques and materials, such as graduated washes or colour application, different woods and specially-treated papers, the artist has a greater range at his disposal to create works.

Another technique, wood engraving, used



Monastery, St. Norbert, (1915), an etching by Walter J. Phillips in the collection of The Winnipeg Art Gallery.

by Walter Phillips later in his career, employs a block formed by cutting across the grain, which produces a much harder piece of wood and requires stronger tools.

Landscape recorded

Walter Phillips responded to Canadian landscape from the time he immigrated to the country. He found Canada's landscape diverse in mood and season and he became a sensitive recorder of its variations. In his earliest colour woodblocks he dealt with the Lake of the Woods area; later he travelled to the Muskoka area of Ontario, the prairies, Rocky Mountains and the west coast.

By the end of his career, Walter Phillips had produced more than 160 different prints.

Over his career, his work appeared in many exhibitions both in Canada and internationally. He was active in the arts community and in 1926 he helped found the Manitoba Society of Artists and organized several exhibitions of western Canadian art.

Walter Phillips was elected an associate of The Royal Canadian Academy in 1919 and appointed a full member in 1933.

Throne speech (continued from P. 2)

will between our governments was an essential step towards the resolution of our conflicts and the realization of our opportunities....

Vital as our relationship with the United States is, my ministers are determined that Canadian internationalism will again be active and constructive in the wider world. The main objectives of my government are clear: to defend freedom and preserve peace; to prevent nuclear confrontation; to improve trading relations; to build a healthier world economy. For Canada, the way to these objectives lies in concerted action with other nations in every part of the world — allies, economic partners, competitors, friends and adversaries....

Disarmament and arms control

My government is determined that Canada will again play its full part in the defence systems of NATO. Only in this way do we earn the right to full consultation and participation in the policies of that alliance. From this prudent and responsible position, Canada will work unceasingly with other nations, in every available forum, to halt the spread of nuclear weapons and prevent their development and use....

Canada's opportunity to influence the course of world events lies primarily in sound multilateral institutions. This is as true of economics as it is of defence, of development, and of disarmament.

Canada cannot prosper without international trade. The dominant part played by trade with the United States is obvious, and my government is exploring with our neighbour new approaches to a better and mutually advantageous trading relationship. But geography has also endowed Canada with an oceanic link to the promising horizons of the Pacific Rim and to our traditional trading partners in western Europe....

Canada also has a vital stake in the elimination of barriers to trade, commerce and investment on a global basis. In this connection, there is an urgent need for a concerted attack on non-tariff barriers which have become increasingly insidious and more prevalent.... My government declares its willingness to do its part in a renewed multilateral effort to remove these obstructions in the international marketplace.

Canada's record in official development assistance has on the whole been constructive. My government recognizes the continuing need for these programs, including support for the cost-effective and valuable humanitarian work done internationally by our voluntary and non-governmental organizations....

News briefs

Secretary of State for External Affairs Joe Clark has announced the new government's intention to thoroughly review Canadian foreign policy with substantial input from the Canadian public and Parliament. He said the highest priority for Canada was the continued search for peace and disarmament.

Canada's first chair in biotechnology has been established at McGill University in Montreal, through a special \$750 000-grant from Canadian Pacific Limited. The first incumbent, chemistry Professor Kelvin Ogilvie is known for his development of the DNA/RNA Synthesizer, better known as the "gene machine", important for the manufacturing of synthetic substances such as insulin and interferon. His current work includes the study of viroids, infectious agents made up of RNA which affect plants of commercial concern.

The Canadian Depository for Securities Ltd. (CDS) of Toronto, recently launched an enlarged and more efficient clearing service for Canadian brokerage firms settling trades executed in US markets. CDS joined the National Securities Clearing Corp. of New

York as a full member making the corporation's securities clearance services available to any of the Canadian organization's 92 members. The hook-up will virtually eliminate the physical delivery of certificates and double accounting for the stock brokerage and investment firms, trust companies and chartered banks that form the membership.

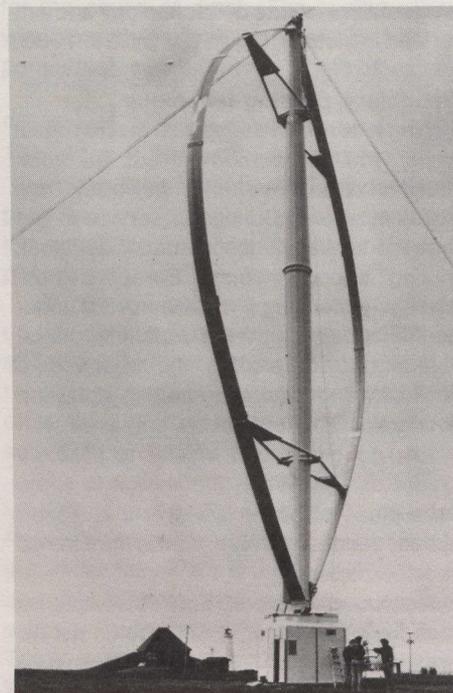
Manitoba Premier Howard Pawley and Energy and Mines Minister Wilson Parasiuk visited Japan, China and India on an economic mission from October 11 to 28. They met with industrialists, financial authorities, potential investors, business representatives, technological experts and government ministers in an effort to expand the province's trade opportunities in Asia. The mission was especially concerned with promoting the export of food products as well as high technological services and production related to electrical transmission, telecommunications and water conservation. After the meetings in Asia, Premier Pawley went to London where he met with investors and financial authorities.

Canada Report says in a recent issue that meat packers expect to export a record 318 million kilograms of meat, worth \$1 billion, in 1984. This will top the previous record of 304 million kilograms exported in 1982.

Prime Minister Brian Mulroney met recently with former Prime Minister Pierre Trudeau who agreed to advise the new prime minister informally on peace issues. Mr. Mulroney said he expressed the hope that Mr. Trudeau would continue to speak out on international issues, particularly those involving the search for a durable peace.

Twenty-five book publishers or their representatives from Denmark, Sweden, Norway and Finland will attend the annual Book Fair in Montreal from November 20 to 25 to look into purchasing the rights held by Canadian publishers for the translation and publication of Canadian books in their respective countries. Prior to visiting Montreal, they will meet with Canadian publishers in Toronto.

Giant windmill



This huge windmill, Canada's largest vertical-axis wind turbine, was officially inaugurated recently in North Cape, Prince Edward Island. Its huge oval blades can produce 500 kilowatts of electrical energy, enough for 100 homes for a year.

Canapress

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