

# Canada Weekly

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## Fiscal measures and economic forecast outlined

Finance Minister Allan MacEachen, saying that he wanted to "end the uncertainty with respect to outstanding tax measures", introduced several tax changes and outlined the Government's economic and fiscal situation in a speech delivered in the House of Commons on April 21.

The Minister re-introduced a number of tax measures tabled December 11, 1979 as part of the former government's budget and other measures from the November 16, 1978 budget which had not received parliamentary approval. They include:

- the measure providing for the deduction of salaries paid to spouses by persons carrying on an unincorporated business; and
- the temporary small business development bond provision enabling small business to obtain financing at lower interest rates.

To help offset the revenue loss (to the Government) associated with these measures and to help finance the increase in the Guaranteed Income Supplement, Mr. MacEachen proposed two additional tax increases:

- a rise in liquor and tobacco taxes effective immediately that will add 11 cents to a 25-ounce bottle of liquor, 13.5 cents to a bottle of wine, 1 cent to a bottle of beer and 2.5 cents to a pack of 20 cigarettes; and
- an extra 5 per cent surtax on corporate income tax effective last January 1 and lasting two years.

Other measures proposed include tax relief for voluntary firemen, temporary overseas employment, employees who use aircraft in their work, and certain situations where income taxes interact with family law. In addition, the Minister announced reduced write-offs for oil and gas properties, and tightened measures in the areas of deferred compensation plans and deductions for prepaid expenses.

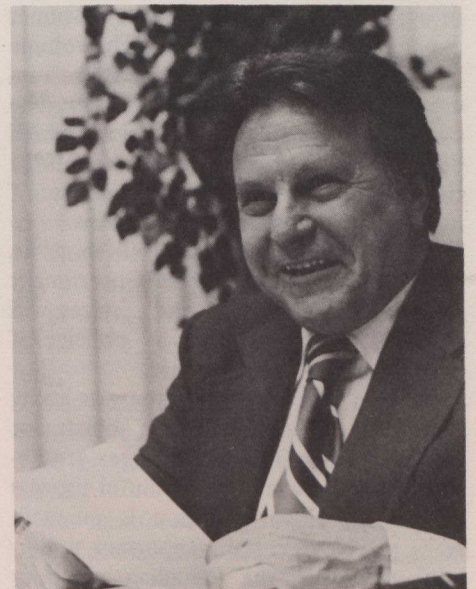
## Economic outlook

The Canadian economy has a number of important underlying strengths, said the

Minister. Canada's competitive position has been improved by the substantial discount at which the Canadian dollar has been trading. The country's merchandise trade surplus increased last year to a record \$4 billion, and our travel deficit has decreased, he said. Strong business investment is providing Canada with more productive capacity which will enable it to take full advantage of the market opportunities open to it.

Another element of strength is Canada's energy potential, which is unique among industrial nations, said Mr. MacEachen. Canada can benefit from the investment and jobs created in exploiting our country's energy resources. Also, Canadian industry will have an advantage in competing on world markets because of its access to relatively low-cost sources of energy. We must not let this opportunity slip through our hands, said the Minister.

In the immediate future, however, Canada is going to feel the effects of slow world growth, rapid inflation and high interest rates, he said. The general view is that there will be little or no growth in



Finance Minister Allan MacEachen

Eleven years ago today...

The Canadian Broadcasting Corporation announced the removal of all tobacco advertising from its radio and television networks.



Canada in 1980. The latest forecast is that the economy will grow by only about one-half of 1 per cent. Growth in output is thus expected to be marginally weaker than forecast by his predecessor in December, said Mr. MacEachen. This downward adjustment is common to most private sector forecasts and has occurred in spite of the fact that the economy is no longer faced with a massive tax increase. The impact of higher international and domestic interest rates, together with revisions to the U.S. outlook, especially in the housing sector on which Canadian exports depend heavily, have been the major factors leading to downward adjustment in most forecasts, he said. The unemployment rate is now expected to rise to an average of about 8 per cent. This figure is slightly lower than forecast in the December budget reflecting continued strength in employment growth over the past few months.

The consumer price index is projected to rise by 10 per cent, the Minister said. This is of course less than the increase forecast in the December budget, because the Government is not subjecting Canadians to the heavy excise tax on gasoline. The increase in the price deflator for gross national expenditure is expected to be around 9.5 per cent. Taken together with an increase of one-half of 1 per cent in real GNE, this will yield an increase in the nominal value of GNE of around 10 per cent, Mr. MacEachen forecasted.

### Consumer spending

During 1980 the main areas of strength in aggregate demand will be in consumer expenditures and investment. The volume of consumer spending is projected to increase 2 per cent, said the Minister. The cycle of investment expansion which began in 1979 is expected to continue through 1980 with a further increase of more than 7.5 per cent in real terms.

Other domestic sectors will show no change or decline in 1980. Government expenditures on goods and services will continue to be affected by policies of expenditure restraint, he said.

In sum, the world economy is going through a difficult period of adjustment as higher international oil prices are absorbed and as the always painful process of winding down inflation is pursued. As a result of certain important underlying strengths, the Canadian economy should be able to avoid a slowdown as

severe as that which appears in store in the United States, but we cannot expect to insulate ourselves fully from that slowdown, said Mr. MacEachen. This is especially the case given the substantial deficit which already exists on the current account of our balance of payments, and given the size of the federal government deficit which already exists, he said.

### Hostage situation in Iran

Secretary of State for External Affairs Mark MacGuigan announced, April 23, that Canada believes Iran's serious and continuing violation of international law in detaining the United States Embassy hostages requires a concerted international response. The Government has been in touch with like-minded countries to ensure that, to the extent possible, their actions complement one another.

Accordingly, the Government has decided to take the following measures on Iran, in parallel with the steps announced April 22 by the Foreign Ministers of the European Economic Community member states:

- no further visas will be issued to Iranian student applicants outside Canada, with the exception of a small group in Iran whose entry to Canada had been provisionally approved prior to the withdrawal of the Canadian Embassy;
- the diplomatic staff of the Iranian Embassy in Ottawa will henceforth be limited to one officer, the Chargé d'Affaires. (The second officer was required to leave Canada within 72 hours);
- the Government will continue its policy of not granting permits for the export of military equipment, while the Export Development Corporation will be asked to maintain in effect an earlier agreement that no new export credits should be extended to Iran until the hostage situation is satisfactorily resolved;
- The Government will be indicating to the oil companies that it would be inappropriate for them to purchase Iranian oil in current circumstances; and
- the Government recommends that Canadian companies not enter into new export or service contracts with Iran until the hostages are released.

The Government will consider implementing further measures in the trade field if diplomatic approaches by Canada and other countries to Iran do not yield satisfactory results by May 17.

### Canada boycotts the Olympics

"This Government believes that the international situation brought about by Soviet aggression in Afghanistan makes it wholly inappropriate to hold the Olympics in Moscow," said Secretary of State for External Affairs Mark MacGuigan in a statement to the House of Commons April 22.

The Minister said that since taking office the Liberal Government has maintained that it is up to the Soviet Union to create the conditions under which the Games could take place. However, there seems to be no present intention on the part of the Soviet Union to create them, he said.

Canada's decision to boycott the Games was taken after consulting with associates in the western alliance and Third World countries.

Dr. MacGuigan said that the Government would not "revoke passports or take powers to circumscribe the right of Canadians to travel freely abroad. But should Canadian athletes participate in Moscow, they will do so without the moral or financial support of the Government of Canada".

He added that while any change in the situation in Afghanistan seems unlikely, if the Soviet Union creates conditions in which the Olympics can take place, then the Canadian Government is prepared to reassess its boycott decision.

The final deadline for acceptance of invitations to the Games is May 24.

### Largest gas find in North

Canada's Far North has yielded its biggest natural gas discovery to date at the Char G-07 location south of King Christian Island, an established gas discovery, reports Panarctic Oils Ltd. of Calgary.

Acting as operator on behalf of the Arctic Islands Exploration Group (AIEG), Panarctic has reported a gas flow of 8.2 million cubic feet a day, through a restricted choke on a drill stem test conducted between 4,705 and 4,770 feet.

The Char G-07 well is being taken down from an ice platform in about 800 feet of water 26 miles east-southeast of King Christian Island.

Panarctic, along with Esso Resources, Gulf Canada and Petrocan make up the AIEG.



## Canada-U.S. discussion of bilateral and multilateral issues

United States Secretary of State Cyrus Vance\* met with Secretary of State for External Affairs Mark MacGuigan in Ottawa on April 23 to discuss a number of bilateral and international issues.

Dr. MacGuigan and Mr. Vance held a joint press conference during the course of the official one-day visit, which included day-long talks and a lunch with Prime Minister Pierre Trudeau.

During the press conference, Mr. Vance reiterated the U.S. Government's support for the draft of a Canadian-U.S. east coast fisheries agreement, which is currently before the U.S. Senate Foreign Relations Committee. "We support the treaty as negotiated and signed and...we will do everything within our power to see that it is ratified in that form," he said.

The House of Commons has approved a unanimous resolution accord for early ratification of the fisheries treaty as a matter of great importance for Canada and for Canadian-U.S. relations.

External Affairs Minister MacGuigan said that Canadian and American national interests "appear in collision" over reaching an agreement on the speed with which nodules containing nickel and other minerals should be harvested from ocean floors.

\*Mr. Vance announced his resignation from the position of Secretary of State April 28, as this issue went to press.

"We had a disagreement on the question of the sea bed, as friends do from time to time," said Mr. Vance. On Law of the Sea consultations, he said that the United States anticipates discussions that will be "full" and "complete".

The two started the press conference by signing a protocol extending the Canada-U.S. Nuclear Co-operation Agreement for another twenty years. The protocol, which must still be reviewed by the U.S. Congress, would incorporate the current safeguards and other non-proliferation requirements of both Canada and the United States. It provides for safeguards undertakings to be verified by the International Atomic Energy Agency. By extending the life of the agreement, the protocol would permit on-going nuclear co-operation between the two countries.

Secretary of State Vance said he was "pleased" with the steps that Canada has taken with regard to the Moscow Olympics and the hostage situation in Iran. The two also discussed the prospect of an Alaska pipeline agreement, the auto pact, problems posed by acid rain and oil tankers travelling down the West Coast from Alaska.

External Affairs Minister MacGuigan concluded the press conference saying that he and his American counterpart had had a "very full discussion" of bilateral and multilateral issues but that Canada

and the United States were "not finished yet". "I think the most important happening today is the degree of consultation that we have had," he said.

Mr. Vance added that their talks had covered "three of the most important issues that exist in the international field, namely, Iran, Afghanistan and South West Asia, the steps taken and to be taken in each of these cases and in addition to that the situation in the Middle East...".

At a formal dinner held later, Secretary of State Vance took the opportunity to thank Canada for what he called "a luminous and heroic" act by Canadian diplomats in helping six Americans escape from Iran last July.

## Coal-produced oil feasible

Synthetic oil produced in conjunction with electric power generation may offer one potential way of supplementing Canada's liquid fuel supply, says Dr. Norbert Berkowitz, vice-chairman of Alberta's energy resources conservation board.

Dr. Berkowitz, also a professor of mineral engineering at the University of Alberta, says preliminary studies suggest that synthetic oil from coal could be produced at costs comparable with oil sands production.

Moreover, oil production equipment could be installed anywhere large volumes of coal are burned for power generation, he said.

Ontario and Alberta, both large users of thermal coal for power generation, could develop significant amounts of synthetic oil production.

Researchers from the University of Calgary have examined the economics of such a project, using the planned Keephills thermal station being developed by Calgary Power Ltd., west of Edmonton, as a model, Dr. Berkowitz added.

They estimated that 14,800 barrels a day of medium gravity synthetic oil could be produced from the coal going into two of the 375-megawatt generators at Keephills.

Dr. Berkowitz said the study showed a synthetic oil plant at Keephills could produce crude at a cost of about \$23 a barrel.

He cautioned that the estimates are only preliminary but the economics appear sufficiently promising to justify detailed studies.



(Left to right) External Affairs Minister MacGuigan, Secretary of State Vance and Prime Minister Trudeau, before their lunch at the Prime Minister's residence.



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## Aid to Uganda

Canada is providing the new government of Uganda with a \$3-million construction credit for immediate rehabilitation needs, the Canadian International Development Agency (CIDA) has announced.

The untied CIDA grant will be disbursed between now and March 31, 1981 through a co-financing arrangement with the World Bank, which will administer the funds in the same manner and for the same purposes as its own \$50-million contribution.

The credit is intended for the purchase of raw materials, equipment, spare parts and other capital goods needed in reactivating Uganda's stalled but potentially rich economy. The purchase of consumer goods is not permitted under the arrangement.

Long-term Canadian aid to Uganda — effectively cut off in 1973 — might only be resumed upon completion of the Canadian Government's aid policy review and the establishment of needs and priorities by Uganda. However, Canada is participating in immediate efforts of the world community to help rebuild Uganda's economy.

The current level of short-term Canadian assistance to Uganda exceeds \$4 million, including the new line of credit, some emergency relief and contributions to Canadian non-governmental organizations active in Uganda.

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## Five named to Canadian Sports Hall of Fame

Five Canadians have been named to Canada's Sports Hall of Fame.

Jockey Ron Turcotte, skeet-shooter Barney Hartman, figure-skating coach Sheldon Galbraith, sports editor Andy O'Brien and administrator Ken Murray, will be inducted August 23, bringing membership in the Hall to 301.

Turcotte, a native of Grand Falls, New Brunswick, had won 3,033 races with a gross of \$28 million in purses when an accident in 1978 ended his career and left him confined to a wheelchair.

In 1972, he rode *Riva Ridge* to victories in the Kentucky Derby and Belmont Stakes. The next year, aboard *Secretariat*, he became the first jockey to win horse racing's Triple Crown since Eddie Arcaro won it in 1948.

Hartman, a 63-year-old native of Swan River, Manitoba, who lives in Brownsburg, Quebec, has held many world records with a variety of gauged shotguns and was the first professional in skeet-shooting to score a perfect 100 with the difficult small-bore .410 shotgun.

Galbraith, 57, was born in Teulon, Manitoba. His skaters have won world championships in men's, women's and pairs competition and won Canada's only Olympic gold medals in the sport. Barbara Ann Scott, Francis Dafoe and Norris Bowden, Barbara Wagner and Robert Paul, and Donald Jackson all were

coached by Galbraith.

O'Brien, a prolific author of books and former sports editor of *Weekend Magazine*, covered ten Olympics in a 44-year career.

Murray had been office manager of the Canadian Olympic Association for eight years when he died last fall. A member of Montreal Royals when they won three Allan Cup senior hockey championships, he also played senior lacrosse, baseball and football and later served as president of the Quebec and Canadian amateur swimming associations and as a director of the Canadian Olympic Association.

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## Canada's relations with Southeast Asian Nations discussed

The Heads of Mission of the member countries of the Association of South East Asian Nations (ASEAN), composed of Indonesia, Malaysia, Philippines, Singapore and Thailand, met with Secretary of State for External Affairs Mark MacGuigan in Ottawa on April 15.

Dr. MacGuigan noted the growing Canadian interest in ASEAN based on its economic growth and political cohesion and expressed support for ASEAN as a group. Discussions focused on Indochina, more particularly the Vietnamese invasion of Kampuchea and the outflow of Indochinese refugees. Dr. MacGuigan expressed Canada's understanding of both the humanitarian and political problems

facing the region, and noted Canada's policy of accepting up to 60,000 Indochinese refugees, the vast majority of whom will come from camps of first asylum in the ASEAN countries.

The Minister expressed support for the objectives of the Association in promoting peace and stability in Southeast Asia as a basis for economic, social and cultural development. He said that Canada intended to work closely with the Association on the increasing number of matters of mutual interest through political contacts, development assistance and industrial co-operation, and through the promotion of academic and media contacts and institutional links.



*Heads of Mission meet with Secretary of State for External Affairs Mark MacGuigan: (left to right) Tommy T.B. Koh (Singapore), Widodo Budidarmo (Indonesia), Ramon V. del Rosario (Philippines), Mark MacGuigan, Datuk Ahmad Zainal Abidin (Malaysia) and Chinda Attanan (Thailand).*



## Synthetic human insulin produced

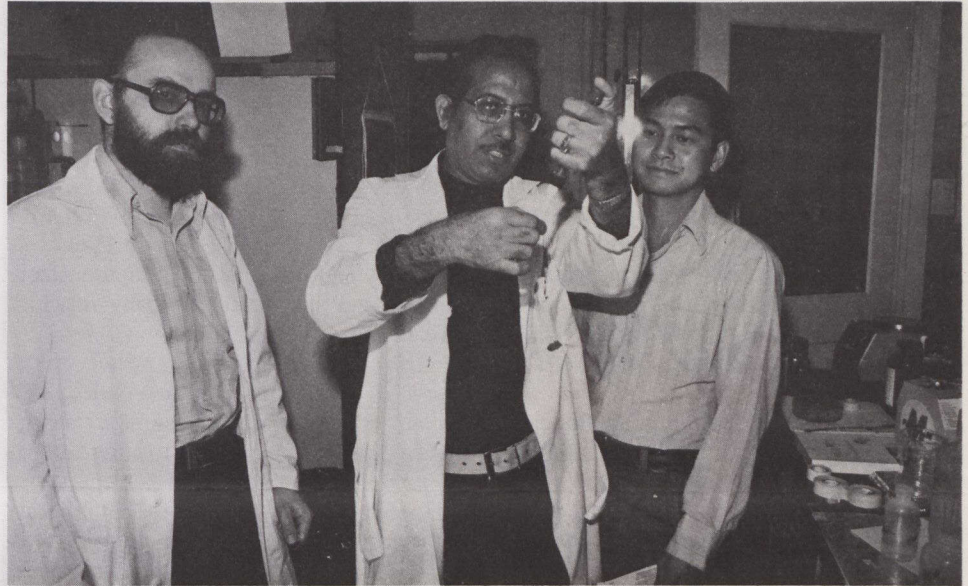
A Canadian scientist has successfully cloned human insulin and the life-saving substance will soon be in the first stages of commercial production.

Dr. Saran Narang of the National Research Council (NRC) in Ottawa manufactured the three genes necessary to obtain insulin and began cloning them last summer (see *Canada Weekly* dated July 4, 1979).

Dr. Narang built the synthetic genes required to transform bacteria into tiny insulin factories in the test-tube, using compounds common to most biochemistry labs. The genes were chemically spliced into the bacteria's chromosomes so the bacteria would treat them as their own. Once accepted, the synthetic genes automatically commanded the bacteria to produce human insulin. The bacteria — clones at this stage — passed the synthetic genes from one generation to the next.

Last summer these bacteria began producing the hormone and now the cloned bacteria are being moved to Canada's largest hormone and vaccine producer, Connaught Laboratories in Toronto.

Connaught's vice-president of research and development, Dr. Don Layne, predicts it will be at least two years before the hormone is available to the public. The company plans to invest several million dollars on the technique.



Dr. Narang (centre) with co-workers Dr. Joe Michniewicz (left) and Dr. Wing Sung.

Dr. Narang and his collaborator, Dr. Ray Wu of Cornell University in Ithaca, New York were recently given a patent file number by the U.S. patent office. The pending patents will be shared by the NRC and Cornell.

### Wonder drug next

Dr. Narang and his research team are currently attempting to clone interferon, a supposed wonder drug, which many respected scientists feel will cure cancer. Interferon is a natural substance produced in cells under attack by a virus.

Once manufactured, it assumes a role similar to an early-warning system, moving from the cell under attack to warn surrounding cells of an invasion. This warning prompts healthy cells to produce antiviral proteins to fight the virus.

At the moment, interferon can only be isolated from living cells in minute quantities and scientists are having difficulty obtaining enough of it to discover its true capabilities. Because of its scarcity, interferon has an estimated value of \$10 billion a pound.

## Nursing association introduces code of ethics

The Canadian Nurses Association recently introduced its first code of ethics to guide nurses through tough moral decisions they face in their jobs.

The code of 20 broad principles, however, does not address specific medical-moral issues such as abortion and the prolongation of life.

Sister Simone Roach of St. Francis Xavier University of Nova Scotia, who developed the code, said it was designed to provide a general set of rules by which nurses can gauge their professional responsibility to patients and to themselves.

"This is not a checklist of do's and don'ts," said Sister Roach, chairman of the university's department of nursing in Antigonish.

She said the code is a "springboard for the reflection of these (controversial) issues, to motivate the nurse to come to

grips with issues...in a way she never would have before".

Some of the ethical statements are:

- Working conditions: caring demands the provision of working conditions that enables nurses to carry out their legitimate responsibilities.
- Death: caring acknowledges the reality of death in the life of every person and demands that appropriate support be provided for the dying person and family to enable them to prepare for and to cope with death when it is inevitable.
- Decisions: caring commands fidelity to oneself and guards the right and privilege of the nurse to act in keeping with an informed moral conscience.

The code is based on the general view that caring is the central focus of nursing. The word "caring" marks the beginning of each ethical statement.

## Petro-Canada investment

The Federal Government has invested an additional \$80 million in Petro-Canada preferred shares. The Government was carrying out a promise made during the last election campaign concerning these funds, and was reinforcing its commitment to strengthen Canada's national oil company. These funds will assist the corporation to assume its exploration and development program during 1980.

In the petroleum sector, recent successes in the east coast and the Beaufort Sea, plus Canada's abundance of oil sands and heavy oil reserves, presents the country with a major economic opportunity, said Energy Minister Marc Lalonde.

A strong Petro-Canada will help to accelerate activity, as it has in recent years, and will also provide for greater Canadian participation in the petroleum industry, he said.



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## Stop-smoking program starts

The Federal Government in co-operation with the Canadian Pharmaceutical Association has begun an education and public relations program to encourage pharmacists to assist the public to stop smoking.

The program was made public at the same time Health and Welfare Minister Monique Bégin announced her support for World Health Day held April 7, with the theme of "Smoking or Health — The Choice is Yours".

The program will attempt to educate pharmacists about the health hazards of smoking and other smoking-related problems and issues, and by motivating pharmacists to take an active role in discouraging the public from smoking.

Pharmacists participating in the program will be asked to counsel and answer questions about smoking-related problems, to distribute informational materials provided by the program, to reduce their own smoking, and to reduce their promotion and sales of tobacco.

The program relies heavily on the influence the community pharmacist can bring to bear on the consumer. Research has shown that approximately 70 per cent of the Canadian population goes to a pharmacy at least once during a 30-day period.

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## Canadian troops take part in NATO exercise



Canadian troops and equipment took part in Exercise Anorak Express, a joint Allied Command Europe Mobile Force field training exercise, which began March 5. During nine-days of 24-hour-a-day operations, transport aircraft from six nations — Canada, Germany, Italy, Norway, Britain and the United States — deployed troops, armoured personnel carriers, trucks, trailers, helicopters, a field hospital, communications gear and other equipment.

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## Sailing ships make comeback

Six Canadian investors believe the revolution in oil prices may be rewriting the economics of carrying cargo by sail once more, reports Chris Wood in the *Globe and Mail, Report on Business*, March 10.

They have formed Schooner Ventures Shipping and Trading Co. to demonstrate that money can again be made in wind-driven ships.

The consortium's first vessel is the *Artemis*, a 148-foot wooden-hulled, top-gallant schooner. Launched 78 years ago in Denmark, *Artemis* was touring Gulf of Mexico resort towns as a museum ship when Schooner Ventures purchased it last autumn.

The *Artemis*' age does not concern its new owners. "She's very sound," said Captain Chris Guiry, the vessel's new master and an investor himself, "and she carries all the electronic aids. She has world-wide capabilities."

*Artemis*' hold capacity is 300 tons and it takes three times as long to cross the Atlantic as a conventional freighter, but Schooner Ventures already has a contract for her first cargo. Sierra Marketing of Harrisonburg, Virginia, has chartered *Artemis* for a shipment of more than 1,000 wood stoves to London in late May.

"Of course she cannot compete in volume," Captain Guiry said, "but she will compete because of rising costs of fuel." Captain Guiry said his ship can already match trucking costs from Saint John to Florida.

Stacked against the fuel saving are higher per-ton labour costs incurred by *Artemis*' traditional rigging and the uncertain timetable that comes with dependence on the wind.

Once back on this side of the Atlantic, there are plans to bring *Artemis* into the Great Lakes. "We'd like to take a regular run," said Captain Guiry, "say Toronto to Rochester (New York). We know we can be efficient on that run." *Artemis* will also sail to Chicago in time for an energy show there in August.

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## Newspaper uses satellite to publish national editions

The *Globe and Mail* of Toronto will use one of Canada's *Anik* satellites to publish national editions in Calgary and Ottawa.

The decision to use the satellite to send page images to printing plants in those cities will enable the newspaper to deliver more up-to-date news to more people more quickly than ever, said executive editor Cameron Smith.

The *Globe* currently sells about 24,000 copies of the paper on the *Report on Business* in Western Canada and about 47,000 copies in Ottawa, Montreal and the Ottawa Valley.

The satellite will be used to transmit signals from a laser scanner that will "read" a page of newsprint in Toronto and transform the written words and photographs on each page into about 340 million electronic impulses.

Each impulse, travelling about 45,000 miles *via* the satellite positioned over the equator 22,300 miles away, will arrive in Calgary a quarter-second after it leaves Toronto, and reading and transmitting a full page will take one minute.

In Calgary (and in Ottawa) the signals will control a laser beam that will reproduce the words and photographs on negatives, which will then be used to make printing plates.

Publisher Ray Megarry said he expected the move would add 20,000 to 25,000 to the paper's Western Canada readership over two or three years, and 10,000 to 15,000 to the figures for Eastern Canada.

Gerard Thieren, Canadian Armed Forces



# News of the arts

## National book festival in May

The National Book Festival is sponsoring more than 200 projects in 150 different communities across Canada from May 2-11.

The festival started in Eastern Canada, where a group of high school students in Sackville, New Brunswick, will select their favorite Canadian children's books to be buried in a time capsule. In Quebec, Monique Khouman is bringing her *Théâtre des livres vivants* (Theatre of Living Books) to various libraries in Montreal.

Harbourfront in Toronto housed the World's Greatest Autographing party from May 2-4, with 125 writers in attendance. Manitoba held its second annual Book Fair in Winnipeg from May 2-4 at the University of Manitoba. The Calgary Independent Booksellers are holding a *première* of *Novelist in Hiding*, a film about W.O. Mitchell, at the Convention Centre. In Vancouver, a group of writers are presenting on stage *The Face of British Columbia in Poetry and Prose*. And in Yellowknife, two native writers are touring libraries and schools in the area during the festival.

## Best in broadcasting honoured

The Canadian Broadcasting Corporation's (CBC) documentary drama *They're Drying up the Streets* was named Canadian television's best program, taking the top honour at the Association of Canadian Television and Radio Artists (ACTRA) awards presentation to members of the broadcasting industry.

The program also won the Earle Grey award for veteran actor Don Francks as best leading performer and brought the du Maurier award for best new TV performer to Sarah Torgov, for her disturbing portrayal of a drunk.

Seventeen "Nellies", as the awards are known, were presented by ACTRA, the Canadian broadcasters' union, during a nationally-televised awards-and-variety program.

Burton Cummings was acclaimed the best TV variety performer for his work in the CBC Superspecial, *Burton Cummings, Portage and Main*. The award for best children's television program went to *Intergalactic Thanksgiving*, made by Nelvana Films and aired on the CBC.



Don Francks hugs daughter Cree after ACTRA win as best television actor.

Brian Linehan was named the best television interviewer, while Paul Harding won the best supporting actor award for his role in *A Man Called Intrepid*, shown on CTV.

In radio broadcasting, *Aftermath of Jonestown*, heard on CBC's *Sunday Morning*, was deemed the best program of the year; Barbara Frum and Alan Maitland the best interviewers for the *As It Happens* phone-out show; and Kate Reid the best acting performer for her part in Festival Theatre's *Grasshopper Hill*.

The John Drainie Award for distinguished contribution to broadcasting went to producer/director Norman Campbell.

The other winners were:

- Ricki Katz and Susan Millican, the Gordon Sinclair Award for outspoken opinions and integrity in broadcasting;
- Dave Hodge, the Foster Hewitt Award for excellence in sportcasting;
- Barbara Young, best TV documentary writer for *Penny Kitchen* on CBC's *Newsday*;
- Terence McKenna, best radio documentary writer for *Aftermath of Jonestown*;
- Ralph Thomas and Roy MacGregor, best TV dramatic writers for *Every Person is Guilty*, part of CBC's *For the Record* series;
- Betty Lambert, best radio dramatic writer for her play, *Grasshopper Hill*;
- Johnny Wayne, Frank Shuster, Kate Lonsdale, Ted Lonsdale, best TV variety writers for *The Wayne and Shuster Show*.

## Toronto dance company toasted

The Toronto-based Danny Grossman dance company, on its first British tour, has become the toast of admiring London critics.

"If this is Canadian contemporary dance, let us have more of it," suggests *Financial Times* critic Clement Crisp, one of Britain's most respected critical voices. "In wit, skill and sensitivity, it puts most local exponents absolutely in the shade."

Every review cautions Londoners not to miss Grossman, one-time member of the Paul Taylor Company, and his ensemble.

"Now with his own troupe of very gifted artists," says Crisp, "he (Grossman) is also revealed as a choreographer of notable originality and wit, owing something still to Taylor but very much his own man."

## Major theatre festival planned

Toronto will be the host of a major international theatre festival starting in May 1981.

On Stage '81 will mount 12 to 16 major productions in up to eight theatres. The three-week event will feature new plays from Toronto, from Canadian theatres outside Toronto and from international companies — in about equal proportion.

It will also feature workshops of new plays, seminars, exhibits and a trade forum for the theatre industry. The trade forum, which is a new idea for a theatre festival, has attracted interest from theatre manufacturers and suppliers around the world. It will assure the festival a strong market and commercial as well as artistic orientation.

On Stage will "attract to live theatre the entrepreneurial energies needed for the next stage in the development of this industry in Canada," said film producer Garth Drabinsky, the project's chairman of the board. The commercial success of plays like *Billy Bishop* and *Jitters*, both slated for Broadway, indicates that Canadian theatre has "come of age, internationally speaking".

A forum where international critics, producers and agents can sample new work will encourage film, television and foreign theatre productions as profitable spin-offs, he added.



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## Higher education pays off

It still pays to get a college or university education, but the dividend is higher for men than for women, according to a Statistics Canada report.

The report is based on a study of what happened to 29,609 students in nine provinces during the two years after their graduation in 1976. Quebec is conducting a separate study.

University graduates found higher-paying jobs than did college graduates. But college graduates more often found work directly related to their education than did university graduates.

### More women unemployed

More women than men wound up unemployed and the women who got jobs were paid less than men with the same education. And while postgraduate education increased job opportunities for men, it made little difference for women.

Male graduates of a one-year college course were getting an average of \$13,200 compared with \$9,500 for female graduates. Men with two-year diplomas were getting \$13,600 compared with \$11,300 for women.

Men with bachelor's degrees were getting \$15,400 compared with \$14,200 for women. Men with master's degrees were getting \$21,800 compared with \$17,500 for women. Men with doctorates were getting \$21,700 compared with \$19,900 for women.

The rate of employment was virtually the same for women whether they had bachelor's, master's or doctoral degrees.

The report says the findings confirm results of a similar study in Ontario that found that graduates "do find employment and that their success rate after a relatively short transitional period is much better than (that of) their peers with less education".

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## News briefs

**Andre J. Robert**, director of the Environment Department's meteorological centre in Montreal, has been named co-winner of the American Meteorological Society's second highest award. Mr. Robert was honoured for two achievements: he was the first person to successfully run a model of the complete meteorological equations required to forecast the weather and developed a way to calculate a 24-hour forecast in one hour, 50 minutes, whereas it previously took 11 hours of computer time.

**CAE Industries Ltd. of Toronto** said its subsidiary CAE Electronics Ltd. has received an order estimated at \$6 million from Singapore Airlines to manufacture a flight simulator for the Aribus Industrie A-300 wide-bodied twin-jet. CAE said its subsidiary is currently manufacturing a McDonnell Douglas DC-10-30 and a Boeing 727-212B flight simulator for Singapore.

**Oil products sales** totalled 9.01 million cubic metres (56,665,000 barrels) in January, down 2.8 per cent from a year earlier, Statistics Canada reports. Gasoline accounted for 2.9 million cubic metres (18,263,000 barrels), up 0.4 per cent, and light fuel oil for 2.32 million cubic metres (14,595,000 barrels), down 7 per cent. Other products accounted for the balance. Canadian refineries produced 9.75 million cubic metres (61,303,000 barrels) in January, up 0.7 per cent.

**Six West German F-4F Phantom** jets, 20 officers and up to 150 men of other ranks will fly to Goose Bay, Newfoundland, this summer for low-level tactical flight training, the Department of National Defence has announced. The Germans will train in Goose Bay from July until October.

**Spar Aerospace Ltd. of Toronto** received contracts for more than \$10 million from the engine division of General Electric Company of Fairfield, Connecticut, for production of gearboxes and components for helicopters and for gears for aircraft engines.

**Bow Valley Industries Ltd. of Calgary, Alberta**, has renegotiated coal supply agreements with Florida Power Corporation and South Carolina Public Service Authority, and also signed a second contract with the South Carolina utility. The Florida Power contract was extended to 15 years from ten, with coal deliveries

increased to 850,000 tons a year from 500,000 tons. The contract with the South Carolina utility also was extended to 20 years from 15, with annual coal deliveries increased to one million tons from 500,000. Both contracts are effective from the start of 1980.

**CA Energia Electrica de Venezuela**, a government electric utility company in Maracaibo, has awarded a \$50-million contract to Babcock and Wilcox Canada Ltd. of Cambridge, Ontario, for three oil-fired 150-megawatt steam generators. The utility company was recently granted a loan of \$34 million from the federal Export Development Corporation and the Bank of Montreal to help finance the project.

**The National Research Council of Thailand** has awarded a contract to MacDonald, Dettwiler and Associates Ltd. of Vancouver to supply, install and commission a Landsat and meteorological satellite reception and processing systems.

**Honshu Paper Company** and Mitsubishi Corporation of Japan are planning to boost investment in a joint venture they have established in Canada. The money, to be invested in Crestbrook Forest Industries Ltd. of Vancouver, will be used to expand thermo-mechanical pulp-production facilities. The two Japanese firms said a feasibility study is scheduled to be completed by May and they hope to start construction of a new production facility capable of manufacturing about 250 tons of thermo-mechanical pulp a day as soon as possible.

**Forestry scientists** are warning that evergreen trees, mainly in Northern Ontario, may have been severely damaged by unusual weather conditions this winter. A surveillance bulletin issued by the Great Lakes Forest Research Centre in Sault Ste. Marie, Ontario says smaller trees — those less than three metres in height — could be damaged by winter drying because of the sunny, mild weather and lack of snow. Generally deep winter snow covers the evergreen plants and keeps the frost from going too deeply into the ground.

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