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Petro-Canada strikes new international initiatives

In a positive and far-reaching manner, Petro-Canada has jumped into the development assistance field.

With the creation in early 1982 of Petro-Canada International Assistance Corporation (PCIAC), the new corporation has signed aid agreements with seven oil-importing developing countries for petroleum exploration projects totalling \$75 million over the 1982-1985 period. New projects are under preparation in nine additional countries.

The PCIAC concept, first announced in 1980, is an innovation in the area of international aid as well as in oil and gas exploration. The idea is to use Canadian government aid funds to finance exploration activities in developing countries which are heavily burdened by the high costs of imported oil, using Canadian goods and services whenever possible. As it is expected that most of the renewed pressure on oil markets will come from these countries as they seek to industrialize, reductions in their demand for oil will increase market availability, keep prices down and enhance world-wide stability.

Short lead-times for equipment such as drill-rigs and seismic vessels, and tight schedules for crews and specialized personnel in the petroleum industry, make it difficult to operate an effective aid program from outside the industry. PCIAC, a fully-owned subsidiary of Petro-Canada, has access to the parent corporation's resources and personnel on a non-profit basis, with costs being recovered from Canadian aid funds voted each year by Parliament.

Petro-Canada serves as PCIAC's executing agent for operations abroad, and lets out all contracts with Canadian industry. A five-man board of directors chaired by Peter Towe includes chairman of Petro-Canada Wilbert Hopper, PCIAC president Fred Rayer, as well as representatives of the Secretary of State for External Affairs and the Minister of Energy, Mines and Resources.



Drilling management in Jamaica is one of several development assistance projects of the Petro-Canada International Assistance Corporation (PCIAC) program.

For a variety of political or economic reasons, exploration activity has been at a low level in developing countries, compared to the geological potential of these areas. The international community has recognized this problem as critical. The World Bank, for example, will devote more than \$1 billion this year to petroleum projects. The Canadian oil and gas industry, with a proven technological record and a strong competitive edge, can provide badly-needed expertise and equipment to assist these countries in their efforts to find indigenous sources of oil and gas, as well as the training of their personnel.



External Affairs Canada Affaires extérieures Canada

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Production superintendent Bob Buchan (right) currently seconded by PCIAC to Barbados National Oil Company (BNOC) inspects facilities with field engineer.

Projects are already under way in several countries, including Barbados and Jamaica in the Caribbean, Senegal, Gambia and Tanzania in Africa, Thailand and the Philippines in Asia, while a regional marine seismic survey is under preparation in the Windward Islands.

In October 1983, a \$3.675-million agreement was signed whereby PCIAC will provide oil and gas exploration assistance to the government of Haiti. PCIAC will re-evaluate offshore hydrocarbon prospects using the Canadian seismic vessel *Bernier*, the first Canadian-designed, built, owned and operated ship of its kind.

PCIAC has also approved new projects to provide offshore drilling assistance in Ghana and Morocco and will shortly

undertake a marine seismic survey, again using the *Bernier*, in Sri Lanka.

The aid budget for all PCIAC projects has doubled from \$20 million in 1982 to \$40 million in 1983, and is expected to grow to \$60 million in 1984. These funds are used to provide a wide array of Canadian goods and services, often introducing competent Canadian companies to new areas of activity in the Third World, and providing a basis for further commercial opportunities in these countries.

As there is annually a degree of seasonal availability in the petroleum industry, as well as some cyclical slack recently, these firms can pursue their current levels of activity in Canada while working abroad to help increase worldwide availability of oil and gas and reduce the burden of oil import costs for the poorest countries.

In August 1981, Prime Minister Pierre Elliott Trudeau announced the creation of PCIAC as a subsidiary of Petro-Canada, Canada's national oil company: "Its purpose will be to assist oil-importing developing countries to exploit their own energy resources, particularly hydrocarbons. This new company will provide development assistance directly to Third World countries, and will also be available as an executing agent for other institutions, such as the World Bank."

Further information about PCIAC is available from: Petro-Canada International Assistance Corporation, Suite 707, 350 Sparks Street, Ottawa, Ontario, Canada K1R 7S8. Tel.: (613) 238-8951.



The seismic vessel Bernier, the first Canadian-designed, built, owned and operated ship of its kind. It will be used to re-evaluate offshore hydrocarbon prospects in Haiti and for a marine seismic survey in Sri Lanka.

Minister visits Brazil and Colombia

The Minister of State (External Relations) Jean-Luc Pepin visited Brazil and Colombia from November 21-26.

In Brazil, Mr. Pepin and the Brazilian Minister of Foreign Affairs Ramiro Seraiva Guerreiro inaugurated the first meeting of the Canada-Brazil Political Affairs Consultative Committee. Mr. Pepin also held bilateral consultations with Minister Guerreiro and other Brazilian ministers. In São Paulo, he addressed the Brazil-Canada Chamber of Commerce, and in Rio de Janeiro officially opened the new offices of the Consulate General of Canada.

In Bogotá, Colombia, Mr. Pepin held political consultations with the Colombian Minister of Foreign Affairs Rodrigo Lloreda and other members of the Colombian government. He also signed agreements relating to Canada's program of development co-operation.

Canada-France research pact signed

The federal Department of Communications has signed a scientific exchange agreement with a major research centre in France to study the social effects of communications technology, it was announced recently by Communications Minister Francis Fox. Two federal researchers from the new Informatics Research Centre in Laval, Quebec will begin work immediately at the World Centre for Information and Human Resources in Paris.

Under the exchange, French researchers will visit the Laval centre regularly. The exchange is a step toward the realization of a plan to link technology centres in a global network, according to president of the world centre Jean-Jacques Servan-Schreiber.

Speaking in Ottawa recently, Mr. Servan-Schreiber gave what one analyst termed a cataclysmic view of the industrialized world's failure to come to grips with the human side of technological change.

"No country has put in place the effort required to retrain and educate workers and citizens to use all these new technologies and this is a collective crime," he said. "There is no longer a North and a South — our economies and societies are ravaged, obsolete, outmoded and so many of our citizens are technologically illiterate."

Davos Symposium world-wide forum

Canada will be a featured country at the Davos Symposium, January 26 to February 2, 1984. The Symposium, organized by the European Management Forum (EMF), an independent foundation based in Geneva, is an annual event held in Davos, Switzerland. It attracts the chief executive officers of firms from across the world to meet and discuss the business, economic and political outlook for the current year.

Concurrent with the Symposium, the EMF organizes the informal gathering of world leaders to which representatives of governments and international institutions are invited.

The 1983 Davos Symposium brought together over 500 chief executive officers and public leaders of the highest level from 52 countries. Six prime ministers, 17 ministers of economy and finance, and nearly all the heads of international and regional organizations of economic importance attended.

Approximately 600 chief executive officers, largely from Western Europe but with significant representation from other areas are expected to attend next January's meeting.

The Deputy Prime Minister and Secretary of State for External Affairs Allan J. MacEachen will lead the Canadian delegation to the Davos Symposium in Switzerland.

Sylvia Ostry moves from OECD to External Affairs post

Sylvia Ostry, former chief economist with the Paris-based Organization for Economic Co-operation and Development, has been named Deputy Minister of International Trade and Co-ordinator for International Economic Relations for the Department of External Affairs.

A native of Winnipeg, Manitoba, Mrs. Ostry, before going to Paris three years ago, was both a director and a chairman of the Economic Council of Canada, chief of Statistics Canada and the Deputy Minister of Consumer and Corporate Affairs.



Sylvia Ostry

Canadian architect wins Paris opera design



Architect Carlos Ott points to a mock-up of the site of the new Paris opera complex.

A design by architect Carlos Ott, a partner in the Toronto firm Neish Owen Rowland and Roy, has been chosen by French President François Mitterrand for a popular opera complex to be built at the historic Place de la Bastille in Paris.

Mr. Ott, who was born in Montevideo, Uruguay, was one of three finalists from 744 projects entered for an international competition. They were picked by President Mitterrand from six semi-finalists chosen by a jury.

The jury had defined Mr. Ott's project as homogeneous and integrating well with the Place de la Bastille. The design includes two major halls, a large rehearsal stage and workshops.

The site of the opera is an old railway

station on the edge of the square. The multi-million-dollar project is expected to start with demolition work next year and be completed in 1988.

Mr. Ott received his undergraduate degree in architecture from the University of Uruguay in 1971; he was awarded a Fulbright Scholarship for post-graduate work at the University of Hawaii in Honolulu.

In 1972, he took a master's degree in architecture and urban design at Washington University in St. Louis, Missouri. He joined the Toronto firm of Moffat Moffat and Kinoshita in 1974, and was appointed project architect in charge of design of the Royal Ontario Museum addition in Toronto.

World-wide seabed search to probe ocean depths

Canada will join five other countries to plan a world-wide search for oil and minerals buried beneath the ocean floors.

A drilling ship equipped to do detailed scientific tests will be outfitted to probe as much as 4.5 kilometres deep into the seabed at sites throughout the world.

Canada has agreed to join the United States, Britain, France, Japan and West Germany in planning the Ocean Drilling Program, the Department of Energy, Mines and Resources has announced. The United States will pay 60 per cent of the costs, with the other countries sharing the

remaining 40 per cent.

In addition, the US National Science Foundation will spend \$28.8 million fitting out the research drill ship. The ship will be larger and more sophisticated than the now-outdated *Glomar Challenger*, which has carried out seafloor studies for many years.

The program will begin next fall in the Caribbean, move north to the Labrador Sea in 1985, then cross the Atlantic and drill in the Mediterranean before moving to the Pacific in late 1985 or early 1986.

Toronto's Eaton Centre captures top prize

Toronto's Eaton Centre has won a prestigious award from the Urban Land Institute, based in Washington, D.C. It is the first project in Canada to win the group's top prize for excellence, which recognizes land developments of superior and resourceful design.

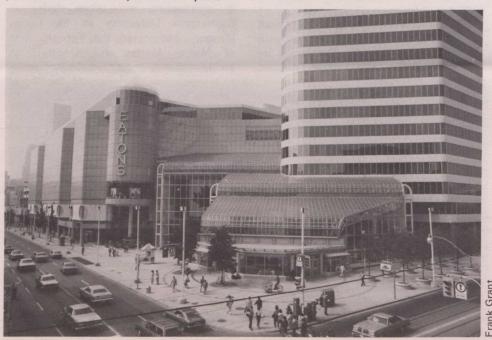
The Urban Land Institute, established in 1936 as a non-profit body, is well respected in the urban planning field. Members include land developers, builders, architects, planners, investors, planning and renewal agencies, financial institutions and others interested in land use.

"Toronto's Eaton Centre demonstrates the imagination and innovation of an exciting urban space created for year-round enjoyment," said Glen Coverdale, chairman of the awards jury and senior vice-president of Metropolitan Life Insurance Co. of New York. "It blends into the existing fabric of the city and is an outstanding example of what can be accomplished through public-private co-operative efforts."



The Eaton Centre is a joint venture of Cadillac Fairview, the T. Eaton Co. Ltd. and the Toronto-Dominion Bank. Cadillac Fairview acted as the developer of the centre and now manages the \$300-million downtown complex, which has more than .27 million square metres of retail and office space.

Winners in previous years have included the Charles Centre in Baltimore, Maryland and the Galleria in Houston, Texas, both large retail and office complexes. The winner in 1981 was the Walt Disney Reedy Creek Improvement District, near Orlando, Florida, part of the Walt Disney World complex.



Toronto's prize-winning Eaton Centre, 250-metres long, includes a three-level shopping galleria with more than 300 shops and joins two large department stores.

Limited sight heightens vision

Richard Briggs is able to see the detail on a large floral print six metres away, and the pupils of the eyes of the person to whom he is talking.

But he is unable to ascertain if there is a signature in a corner of a page. And "if you were wearing a badge. I wouldn't be able to read the print on it".

For seven years, since graduating from high school, the young man has worked as a clerk at the Canadian National Institute for the Blind (CNIB), where he is registered as blind.

(According to an institute spokesman, a person is considered blind if he or she can see at only six metres or less what a person with regular vision can see at 60 metres.)

After-hours, however, his pursuits are ones which are usually believed to require good vision. He is an artist-photographer, and a perfectionist. That is very natural, he says, because, "when you don't have 90 per cent of something (sight), you don't take what you've got for granted".

Mr. Briggs wears glasses and, looking at him, it seems that his eyes are almost closed most of the time.

This squinting makes him more conscious of contrast in a scene. "When you squint, literally the diaphragm in your eye closes down," he said. "Things become sharper; it's virtually like the camera depth. You get rid of flare and all extraneous light."

With the squinting he is far more conscious of contrasts in a scene. "I'm literally dividing scenes into lights and darks, and seeing the colours and the details."

He believes his limited vision may have helped his development as an artist. He has been pursuing art ever since he was old enough to hold a crayon.

"I will stand forever looking at a tree and noticing how the light filters through the leaves," he said. "Or how the shadows strike the bark. I'm just very attuned to that. I think it all originated from the need to concentrate on the act of seeing."

Besides his photography, he draws in charcoal. An exhibition of his photographs, in colour and also in black and white, together with a collection of his pastels, were recently displayed in the lobby of the CNIB's national office.

Mr. Briggs uses none of the extra equipment now available for those with sight problems, "not even an eyepiece correction on my camera".

Teleguide system breakthrough

The technology once described as "being in search of a market" has come into its own.

Toronto's Teleguide system of travel and leisure information has just been sold to San Francisco, one of North America's prime tourist destinations.

The Bay Area Teleguide is the first copy of a complete Teleguide system using Telidon technology and Infomart-developed software, according to William G. Hutchison, president and chief executive officer of Infomart.

"We are now beginning to see real commercial evidence of the application of videotex," says Mr. Hutchison. "I expect we'll be able to announce another four or five such sales to the United States during the coming year."

The \$500 000 agreement includes Infomart's ITSS-V2 software, Teleguide operating software, communications network and ongoing consulting. Infomart anticipates that over the next two years additional billings of \$2 to \$3 million will accrue for hardware consulting services and royalty payments.

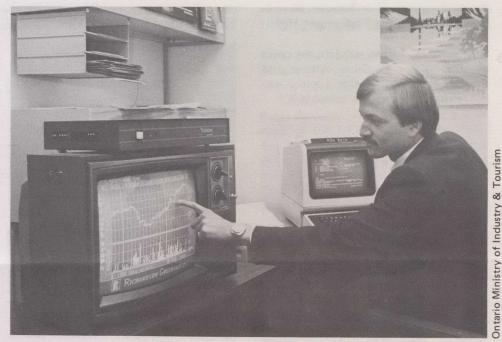
Peter Thieriot, president of Chronicle Videotex Inc., owner of the Teleguide rights for the Bay Area, said the company had purchased 300 terminals which will begin appearing in the San Francisco area next January.

Launched just a year ago in Toronto, Teleguide now has more than 460 terminals in place with Toronto residents and visitors alike currently viewing more than 11 million pages of information a month.

Mr. Theiriot says that a number of subscribers — information providers — have joined the system already, including Embarcadero Centre, Emporium Capwell, the Cannery, Hyatt Regency and Hotel Meridien.

"Teleguide is technology made easy—
it was designed to be used on an individually controlled basis by people with
no particular aptitude for computers," he
says. "As the first electronic catalogue of
its type, we believe that Teleguide provides enormous benefit to users and information providers alike. We've received
indications of support and interest from
everyone who has seen the system in
operation."

Behind the facades of the Teleguide terminals lie a range of sophisticated technology. Information providers, for example, who wish to show their message, have access to what amounts to an elec-



Infomart engineer Ron Beck checks graphic display on a Telidon terminal. Infomart will supply its Teleguide system to the San Francisco Bay area.

tronically based art agency — complete with copy writers and operators creating a screenful of information, enlivened with state-of-the-art colour graphics. Over 3 000 colours and an animated "paint-on" graphic format makes maximum use of logos, advertising themes or other visual elements identifying the business. The textual data is centrally controlled,

enabling information providers to update anything from price lists to performance times daily, weekly or monthly.

Following page creation, the information is then stored in Digital Equipment VAX 11/780 computers. These computers will be the main data sortage centres for the Bay Area Teleguide as well.

(From Ontario Technology News.)

Canadian firm to study China's computer needs

China has invited a subsidiary of Canadian National Railways to study its needs for a computerized railways information control and telecommunications system.

CANAC Consultants Ltd. of Montreal, CN's international consulting arm, is sending a team this month to China to begin a four-month \$250 000 study funded by the Canadian International Development Agency.

The study will determine whether CN's traffic reporting and control system (TRAC) can be modified to suit China's railway system, said Jacques Marchand, vice-president and general manager of CANAC.

If the Chinese approve the study's recommendation, it could mean more than \$100 million for Canadian companies that would supply equipment and training, Mr. Marchand said.

"The aim of the study is to determine what will be required in terms of communications and hardware and software

to have an operation system suitable for the management of Chinese railways," he said.

TRAC is a computer operations system developed by CN in the early 1970s that keeps a record of all rail cars at any given time on the CN Rail network.

"We can find out when the cars will be empty and available for another load," said Mr. Marchand, explaining TRAC allows cars to be dispatched quickly and reduces the time between loadings.

"Since the system has been in operation, CN has avoided purchasing 20 000 cars, representing \$1 billion in capital expenditures," said Mr. Marchand.

He said he expects the Chinese to respond quickly to the study because China, engaged in a modernization policy, seems to be interested in catching up in the data-processing field. Mr. Marchand said CANAC, which has performed work in Africa and other parts of the world, has also done a study for India's railways.

Son-et-lumière for Parliament Hill

Next summer, Ottawa will join the ranks of such places as Cairo, Athens and France's Loire Valley with a sound-andlight extravaganza on Parliament Hill.



Ottawa's Parliament Buildings

Starting in July, a spectacular evening show of light interacting with sound will be projected onto the faces of the East, West and Centre Blocks, bringing to life great moments in Canadian history, says a director at the National Capital Commission (NCC).

Two 30-minute shows, one in English and one in French, are being produced by the NCC, according to Rhéal Leroux.

"The Hill buildings are certainly one of the most interesting things to visit when you come to the nation's capital," says Mr. Leroux. "We're hoping people will learn a bit more about their country and have a better feeling about their capital because of the show."

Various colours and intensities of light, accompanied by symphonic music and narration, will dance across the three historic buildings, but only an atmosphere will be created, says Mr. Leroux. No real image is projected — that is left to the audience's imagination.

Similar shows are held at the pyramids near Cairo, the Acropolis in Athens and some of the famous chateaux in the Loire Valley in France.

Experts toast Canadian wine

Wine experts in ten cities and three continents recently toasted what is believed to be the best Canadian wine ever produced, the 1983 Château des Charmes Gamay Beaujolais Nouveau.

The 1983 vintage of the wine, which was successfully received in France a year ago, was brought to Toronto recently, where its quality was hailed by international experts.

The wine, produced in St. David's in the Niagara, Ontario region, was made with grapes originally brought to Canada from France.

The fresh, full-bodied taste of the Gamay-Beaujolais grape is ascribed to the carbonic maceration process, initially observed in 1872 by Louis Pasteur, who discovered uncrushed grapes steeped in liquid — macerated — under carbon dioxide produce softer wines.

Simultaneous wine-testings were held in ten cities and these opinions came in *via* phone lines to about 200 assembled guests at a Toronto hotel.

Hi-tech produces instant market

Prospective buyers visiting Canadian exhibits at international trade fairs can now obtain up-to-the-minute detailed information on all aspects of the relevant Canadian industry at the touch of a selector button. The new computer terminal installed at national exhibits gives exporters a significant advantage in the quest for new markets.

The terminal developed by Avcor Info Display Systems of Toronto, Ontario integrates microcomputer technology with Telidon, the world's most advanced videotex information retrieval system. Each unit consists of a full colour video display, a standard computer keyboard, a high quality printer and an electronic link to a Telidon terminal.

The interested buyer accesses the stored data through the keyboard and information flashes on the screen in up to five languages. By pressing another button, the buyer receives instant high quality print-outs of the text on the screen. If additional details about a product or source are required, the computer retrieves the information through the Telidon link and prints out the data in letter format minutes later.

Telidon has instant access to large amounts of information stored in com-

puter data banks. It retrieves the information on command *via* telephone lines, radio and cable TV signals relayed by geostationary communication satellites such as Canada's *Anik C-2* which was recently positioned in space.

Accurate information is the key to the decision whether to buy or not to buy. Through the Avcor Info Display System, the buyer can obtain within minutes all essential details about a particular Canadian company, its exporting capabilities and its products.

Molson Prize

The second 1983 Molson Prize, with a value of \$50 000, has been awarded to editor and scholar Francess Halpenny of the University of Toronto and the University of Toronto Press.

The Canada Council Molson Prizes recognize outstanding contributions to the arts, humanities and social sciences.

Dr. Halpenny's significant contributions to publishing, scholarship and in particular *The Dictionary of Canadian Biography*, are well known. Associated with the University of Toronto Press since 1941, she was appointed general editor of the *Dictionary* in 1969. Continuing her association with the *Dictionary*, Dr. Halpenny was appointed dean of the faculty of Library Science at the University of Toronto in 1972, a position she held until 1978.



Molson award winner Francess Halpenny.

News of the arts

CBC recordings bring new life to old favourites

CBC Enterprises has announced the addition of five new albums to its highly acclaimed classical music series — the SM5000. The largest manufacturer and distributor of Canadian classical recordings, the CBC (Canadian Broadcasting Corporation) introduced the first six albums in the series in November 1982.

Following are the new albums released across Canada this month:

- Stravinsky: Concerto in E Flat (Dumbarton Oaks). Concertino.

Bartok: Three Village Scenes. Contrasts.

Performed by the Canadian Chamber Ensemble conducted by Raffi Armenian (SM5015).



Andrew Davis

Geminiani: The Enchanted Forest.
 Vivaldi: Concerto in D Major for Two
 Violins.

Performed by the CBC Vancouver Orchestra conducted by John Eliot Gardiner (SM5017).

- Stravinsky: The Rite of Spring.

Performed by the Toronto Symphony Orchestra conducted by Andrew Davis (SM5019).

Grieg: Piano Concerto in A Minor.
 Sibelius: Karelia Suite.

Performed by the Vancouver Symphony Orchestra conducted by Kazuyoshi Akiyama with soloist André Laplante (SM5020).

 Italian Operatic Overtures, Rossini/ Zedda, Rossini/Corghi, Verdi, Donizetti, Wolf-Ferrari, Bellini.

Performed by the National Arts Centre



John Eliot Gardiner

Orchestra conducted by Franco Mannino (SM5021).

The new titles in the series represent a number of firsts. *The Rite of Spring* album is the first commercial recording conducted by Andrew Davis on the CBC label and the *Italian Operatic Overtures* album is the first such recording for the National Arts Centre under its new conductor, Franco Mannino. The Geminiani/ Vivaldi recording is the first commercial release on the CBC label for the CBC Vancouver Orchestra.

The series is produced by Anton Kwiatkowski, a highly respected producer who joined the CBC in 1977 after eight years with EMI in London.



Franco Mannino

NFB joins home video market

Forty-three National Film Board (NFB) productions are now available through home video outlets across Canada.

"Video With a Difference" will introduce Canadian video cassette users to some of the NFB's most popular films. Among the titles now available are the award-winning classic *Mon oncle Antoine* and *The Heatwave Lasted Four Days* starring Gordon Pinsent and Alexandra Stewart.

Other feature-length programs include: Cries from the Deep, a Jacques Cousteau adventure and The Devil at Your Heels, the story of Canadian dare-devil Ken Carter, who was tragically killed last September.

Several of the films are available on compilation cassettes such as *Hollywood Salutes Canadian Animation* featuring seven of the NFB's Oscar winners and nominees ranging from its first animation Oscar winner Norman McLaren's *Neighbours* to the 1980 winner *Every Child.*

The Film Board will continue to add to its collection within the coming year and will soon release a special Christmas package entitled *A Christmas Gift* featuring several seasonal animation films for family viewing.

Leading art historian dies

Writer and art historian Russell Harper has died in Cornwall, Ontario at the age of 69.

A pioneer in the field of Canadian art history, Russell Harper was the author of a number of seminal studies on artists, including *Paul Kane's Frontier* (1971) and *Krieghoff* (1979). His most influential book was *Painting in Canada: A History*, published in 1966 in French and English — a comprehensive account which laid the groundwork for the academic discipline of Canadian art history, and led to the foundation of the first full university courses on that subject.

After archival and curatorial work at the University of Toronto, the Royal Ontario Museum and the Lord Beaverbook Art Collection in New Brunswick, Russell Harper was appointed curator of Canadian art at the National Gallery of Canada in 1959. From 1967 until 1979, he was a professor at Concordia University in Montreal.

London's Old Vic re-opens courtesy of "Honest" Ed



Queen Elizabeth, the Queen Mother, chats with Canadian businessman "Honest" Ed Mirvish and his wife Anne at the opening of the renovated Old Vic theatre in London, England. The historic theatre, which Mr. Mirvish purchased in 1982 and renovated at a cost of \$2 million re-opened with the musical Blondel by Tim Rice. An affectionate tribute to the 160-year-old theatre was paid by Sir Laurence Olivier who described the Old Vic as the "old jewel in the crown of London...glittering and shining once again... due to the rare generosity of a Canadian gentleman, Mr. Ed Mirvish".

News briefs

A new Canadian Consulate in Perth, Australia, was officially opened on November 14 by Gerald Regan, Minister of State (International Trade). The Consulate is Canada's fourth trade post in Australia. Horst Schmid, Minister of International Trade of Alberta, also participated in the opening ceremony, which was attended by several senior members of the government of Australia.

Rolm Corp., an Ottawa firm which specializes in the office communications business, introduced a new series of telephone switching systems recently that includes the largest unit available in Canada. The CBX II (computerized branch exchange) was introduced in a teleconference from Rolm's headquarters in Santa Clara, California. It can be built for customer needs varying from ten to 10 000 lines, twice the capacity of the former largest switchboards available in Canada.

The new Detour Lake, Ontario gold mine, a joint venture of Campbell Red Lake Mines and Amoco Canada Petroleum, cost \$130 million to put into operation, and at full production will be the largest tonnage producer in Canada. Capacity of 2 500 tonnes a day will soon be reached, with 3 000 daily expected by year-end. Developing an underground mine has begun, for startup by early 1987, raising total capacity to 4 000 tonnes a day.

Preparations are under way for a hightech stock index for the Toronto Stock Exchange, to include such companies as Northern Telecom and Mitel Corp., now in the electrical and electronic sub-index of the TSE 300. Such companies will be included in both indexes. Twenty to 30 stocks will be included initially, and the index will be weighted by the market value of the component companies.

A contract valued at \$400 000 has been awarded by Canadian Commercial Corporation to Valcom Limited, Guelph, Ontario for the supply of Meter Whip Antennae to the US Navy. The contract contains two options for additional quantities and, if exercised, the total contract value would be in excess of \$1 million (US). Valcom is a long-standing supplier to the US Navy for

this product which has a patented integrated base. Valcom's antennae sales, through Canadian Commercial Corporation, stand at \$556 000 (Cdn.) from January 1983 to the present.

Safety standards for the commercial application of wind energy technology in Canada will be set by mid-1984, according to the Canadian Standards Association. Testing and evaluating standards, and interconnection standards to regular power grids, are also in development. Work on the standards, began in 1982. The standards and new product warranties will give consumers in remote regions savings of between 25 and 35 per cent in the cost of electricity from fuel-driven diesel generating plants.

Seven Canadian hotels have been given Five Diamond rating in 1983, the highest possible award from the American Automobile Association. Given for superiority in guest facilities, services and atmosphere, the awards this year went to 47 hotels and resorts in North America. The association saluted recipients at its annual national meeting held recently in Washington, D.C. The Canadian winners are: the Hotel Bonaventure, Quatre Saisons and Ritz-Carlton in Montreal, Four Seasons Hotels in Toronto and Vancouver, the Hotel Vancouver and Westin Bayshore, also in Vancouver.

At last, a computer to help with hassles! Elaine Stafani of Windsor, Ontario, president of the Consumers Association of Canada, recently pushed a button at a large mall in London, Ontario to put the first Hassle Help computer into operation. Based on the Telidon system in conjunction with a Videopress booth, Hassle Help provides basic tips on shopping for, and registering complaints about, products as diverse as home appliances to health insurance.

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