

# Canada Weekly

Volume 10, No. 35  
September 22, 1982

Ottawa  
Canada

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## Office of the future to increase efficiency and simplify jobs

Office workers today constitute 50 to 55 per cent of the Canadian labour force and this figure is expected to grow considerably in the near future. This coupled with the dramatic advances in electronics and computer technologies is leading to a change towards a more efficient electronics-based office — the "office of the future".

To take full advantage of this electronic evolution, the federal Departments of Communications and Industry, Trade and Commerce/Regional Economic Expansion, have allocated \$12 million in the 1982-1985 fiscal period to support field testing within the public service of Canadian "office of the future" technology.

The money will be spent to help Canadian companies develop the industrial capacity to supply the growing national and international markets for integrated electronic office products and services.

### Field trials

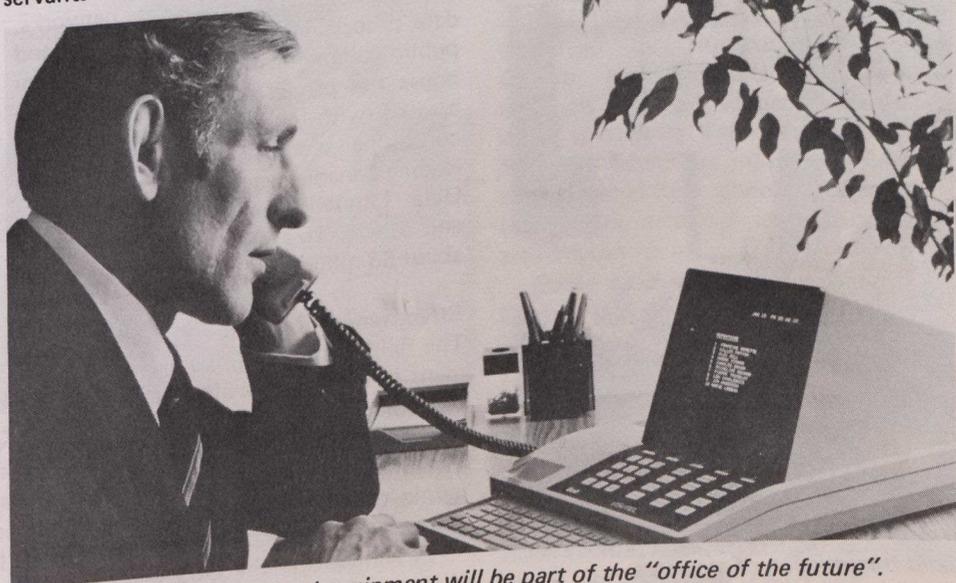
Under the federal office communications (OCS) program a series of large field trials will be conducted within federal departments involving hundreds of public servants at all levels from clerks and

secretaries to senior executives and members of Cabinet.

The trials will allow Canadian companies to perfect new equipment and services in a working environment and demonstrate proven products to buyers. If successful, the trial systems could evolve into full-scale operating systems with more than 2 000 terminals in each participating department.

Jointly administered by the two departments, the program is in response to the growing trade deficit in the Canadian office equipment and service sector. In 1980 when the program was created, imports of office equipment were increasing at 43 per cent a year and constituted 96 per cent of all Canadian purchases in 1979-80.

It is estimated that by 1990, the Canadian market for integrated office automation systems (including electronic voice and data switching equipment, multi-functional work stations; word, data, voice and graphics-processing equipment; communications and copier equipment) will reach between \$15 and \$20 billion. The international market will be 20 to 25 times this size. If Canadian industry



*Electronic and computerized equipment will be part of the "office of the future".*



External Affairs  
Canada

Affaires extérieures  
Canada

captured 40 per cent of the domestic market and 5 per cent of the international market, this would represent revenue of \$21 billion and 140 000 jobs.

Four major field trials are planned in the current phase of the OCS program. Most of these have been proposed by groups of companies that have agreed to combine their expertise in different aspects of office technology. Bell Northern Research (BNR) has offered to act as lead company for the Bell group in conducting a field trial in the Department of National Revenue — Customs and Excise.

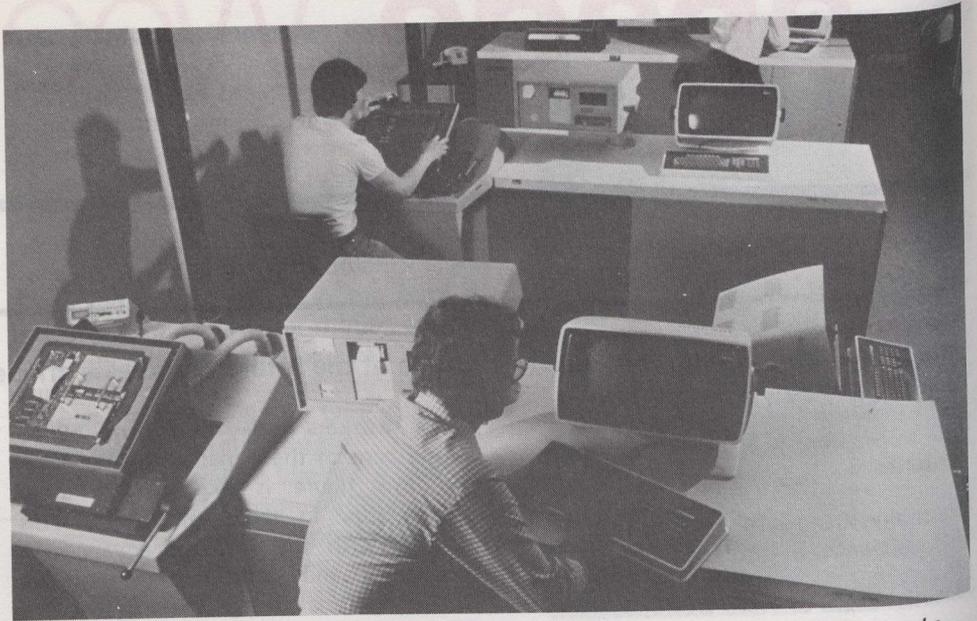
Another proposal would have Systemhouse Limited as the lead company in a field trial involving the Department of National Defence. Discussions are still underway with these companies, as well as with companies that will be involved in the two remaining trials in locations yet to be designated.

BNR, with participation from Northern Telecom and Bell Canada, is planning to experiment with a totally integrated office system which would test functions such as text messaging, file handling, text processing, tele-conferencing decision support tools, and public data base access. The trial would use the Datapac packet switching telephone network, the iNET intelligent gateway, the Telidon Vista videotex system, the Envoy 100 public message service, the SL-1 switching system, and the Displayphone executive work station, all developed and marketed by the Bell organization.

The BNR field trial within Customs and Excise will be conducted in three phases. Phase 1 will last up to 12 months and involves a study of the needs of executive, management and clerical



Rapid transmission of messages.



Multifunctional work stations will allow office workers to perform a number of tasks.

workers in the department, and the design of a pilot system. The pilot trial would begin in phase 2 and might consist of as many as 100 work stations at several locations across Canada. The third phase would begin if the pilot trial were a success. This would be the operational phase, with as many as 2 000 terminals installed in Customs and Excise offices across Canada. The first two stages of the field trial may cost more than \$3 million, while the operational phase could cost about \$15 million.

Systemhouse Limited, a Canadian software and systems company with branches in a number of other countries, proposes to serve as primary contractor in the Department of National Defence trial. Systemhouse has proposed the development of new software to integrate office work stations with local access networks, data processing facilities and private and public communications systems. Systemhouse has proposed that the system be created with equipment, software and consulting services from a number of leading Canadian suppliers, including AES Data Limited, Mitel, Canstar, Norpak, and others. This project would also cost about \$3 million in the trial phases.

#### Effectiveness of systems

The field trials will also allow the government to measure the effectiveness of new technologies in improving the quality and efficiency of its services to the public. The trials will be implemented by participating departments in consultation with affected workers and their unions.

In announcing the OCS program, the Minister of Communications Francis Fox

said "With the rapid pace of change in office technology, it is equally important that this program address a number of contentious social and economic issues." To this end, the social and behavioural impacts sub-committee of the Canadian Videotex Consultative Committee (CVCC) will be reorganized as a national committee with a mandate to study the implications of information technology in the human context.

Dr. Anne Cameron of the University of New Brunswick will continue to chair the social impacts sub-committee in its expanded role. An interdepartmental working group has also been established within government to support the activities of the national human context committee.

Often called the office of the future program, the OCS program deals with the rapidly merging technologies of microelectronics, high-speed communications, and information management systems that are transforming the modern office. In the office of the future, intelligent, multifunctional work stations linked by telephone, coaxial cable, or optical fibre networks will provide access to voice, video, data, and graphics services. Each work station will allow the office worker to perform a wide range of tasks, including word processing; tele-conferencing; storage, retrieval and sorting of information in local and remote data bases; electronic messaging and mail box services; and the processing and programming of data, text, voice, and video materials.

(Excerpts from an article by Guy Verreault in *Canada Commerce*, July/August 1982.)

## Major steps taken to divide Northwest Territories

The Nunavut Constitutional Forum, composed of eastern members of the Northwest Territories Legislature and leaders of the Inuit Tapirisat of Canada, an aboriginal-claim group representing 25 000 Inuit, have taken a major step in pursuit of a separate territory in the eastern Arctic, outlining the basis of a constitution and scheduling a convention a year from now to ratify it.

They have also established a quasi-governmental group to draft a detailed constitution, recommend a boundary, name a capital, define who can vote in elections, and propose limits to the role of a federal commissioner. Public opinion is expected to be solicited throughout the eastern Arctic on these and other matters beginning in October.

### Founding of forum

"We've gone beyond talking about Nunavut," said the forum's chairman and member of the Legislature for Frobisher Bay and Northwest Territories education minister Dennis Patterson. "Now we are building it," he said.

The Nunavut forum, which held its first meeting in Frobisher Bay in August this year, was founded in response to three main political developments of the past year:

— Northern Affairs Minister John Munro maintained that talks on political development be separate from aboriginal-claim talks, even though Inuit claims overlap with their proposal for a separate territory;

— he also insisted all northern political groups get together on political development in presenting their case to the federal government. The Northwest Territories Legislature and all main native groups formed the Constitutional Alliance in July. (The Nunavut Forum is part of the alliance, but it has taken a somewhat independent stance and a western forum is scheduled to meet in September); and

— the Northwest Territories residents voted 56 per cent in favour of dividing the territories, last spring, in a referendum.

The federal government has not committed itself to splitting the Northwest

Territories and the forum's report urges that it do so soon. It asks that the minister responsible for political evolution in the North, Senator Jack Austin establish a "core group" of Cabinet ministers and senior civil servants to work with the forum on division of the territories.

The report asks the federal government to establish a boundary commission before next May and draw a boundary by next September.

The boundary is a problem because Inuit claims to rights on all land northeast of the treeline — an area they call Nunavut — overlap with claims of the Dene Indians to the west. In addition, the Inuit of the Mackenzie Delta are undecided about joining their cousins in the east or the Indians to whom they are linked by the Mackenzie Valley corridor.

## Educational aid to Third World

An Ottawa-based organization is assisting developing countries in their educational efforts by providing books and services to teachers and students in those countries.

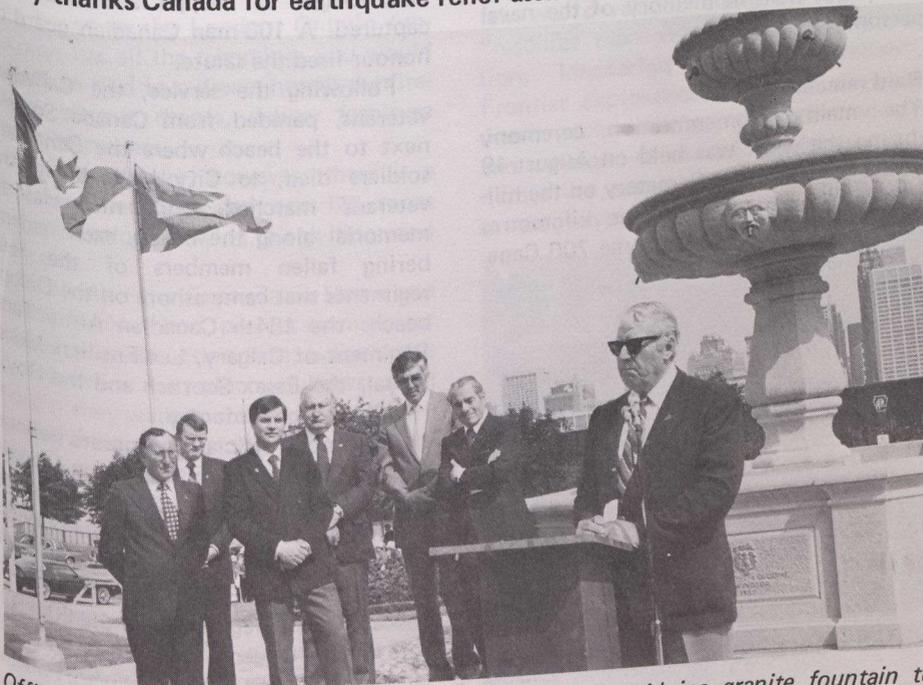
The Overseas Book Centre is a national, non-governmental organization that distributes books and provides funds and services donated by school boards, libraries, teachers' federations, hospitals, colleges, universities, publishers, businesses, service clubs, governments and individuals.

Among the activities of the centre's book program in 1980-81 were: the shipment of 70 tons of materials to the Ugandan school system; a 5.4-tonne airlift to St. Lucia, where educational materials in half the country's schools had been destroyed by Hurricane Allen; and English- and French-language training materials sent to boat people waiting to move to Canada from refugee camps in Malaysia. Books are most often supplied to vocational high schools, teacher training colleges, rural high schools and nurses training centres.

Other projects of the Overseas Book Centre include the funding of Third World organizations, groups and institutions involved in the promotion of new learning techniques, adult literacy programs and indigenous publishing of educational material.

Further information about the program may be obtained from: Overseas Book Centre, National Office, 321 Chapel Street, Ottawa, Ontario K1N 7Z2.

## Italy thanks Canada for earthquake relief assistance



Officials from the province of Udine, Italy, donate an Alpine granite fountain to Windsor, Ontario in appreciation of Canada's financial support during the 1976 earthquake in that country. The fountain was erected in Dieppe Park, one of several rose-garden parks maintained by the city along the Detroit River. The street adjacent to the garden parks has been renamed Viale Udine. Pictured above from left: Giancarlo Englaro, President of the province of Udine with members of his delegation, federal Minister of Agriculture Eugene Whelan (fourth from left) and Windsor Mayor Bert Weeks at the podium.

Office of Tourism of Canada

## Remembrance services held for Canadians in Dieppe battle

The fortieth anniversary of the August 19, 1942 raid on Dieppe, France, was commemorated in England and France honouring the Canadians who fought and died in the raid.

A Canadian delegation led by Minister of Veterans Affairs W. Bennett Campbell attended the ceremonies. The delegation included members of the 18 army units that participated at Dieppe and representatives of the Royal Canadian Air Force, the Royal Canadian Navy and the Nursing Sisters Association of Canada. Joining the delegation were veterans of the 1944 campaign, French prisoners of war from Dieppe, some United States rangers and British commandos, and ten youths representing each Canadian province.

The raid on Dieppe, or "Operation Jubilee" as it was code-named, marked the first time all three Canadian services were engaged in the same major mission during the Second World War. Some 5 000 Canadian troops, who outnumbered their British, American, French and Polish colleagues, led the assault at Dieppe and the nearby beaches of Pourville and Puits.

Only 2 200 Canadians returned from France. There were a total of 3 367 casualties, including 907 dead and 1 946 taken prisoner.

### Initial ceremonies in England

The first commemorative ceremonies were held on August 15 in England at Runnymede where the Canadian troops had been stationed and at the nearby Brookwood Military Cemetery. A mem-

orial at Brookwood is dedicated to all Commonwealth service men and women who have no known grave, and Runnymede is the site of the Air Force memorial, erected in tribute to all Commonwealth aircrew with unknown burial places. Some 105 aircraft had been lost by the Royal Air Force during operation Jubilee, the largest single-day aircraft loss by the force during the Second World War.

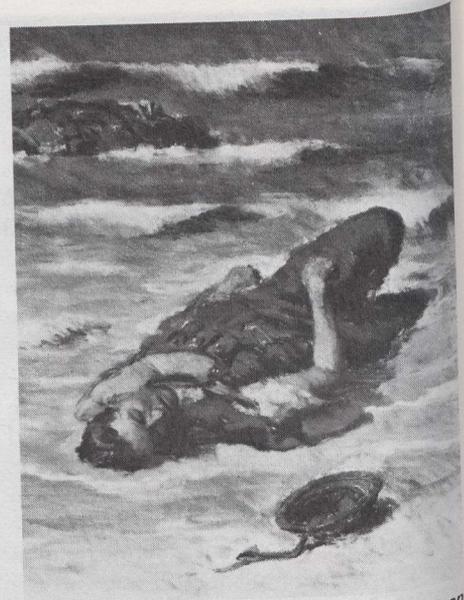
On August 17, a memorial ceremony honouring members of the Royal Canadian Engineers was held at Newhaven, the English port from where the troops sailed to Dieppe. An additional ceremony was held at Fort Newhaven, home of a permanent exhibition dedicated to the Dieppe raid.

The ceremonies included a hymn-and-prayer service conducted by the Bishop of Lewes with music by Quebec's Royal 22nd Regiment, the *Van Doos*. Two plaques were unveiled by Mr. Campbell, one of which was presented by the crew of one of the landing crafts that carried the Canadian soldiers across the English Channel.

During the ferry crossing across the English Channel, a wreath-laying ceremony was held in memory of the naval personnel killed.

### Raid remembered

The main commemoration ceremony during the week was held on August 19 at the Canadian War Cemetery on the hillside at Hautôt-sur-Mer, five kilometres south of Dieppe, where some 700 Cana-



Casualty on the Beach, Dieppe by German war artist A. Hierl.

dians are buried.

Tributes were given to the Canadians by Mr. Campbell, Canada's Ambassador to France Michel Dupuy and the French Veterans Minister Jean Laurain. Music was played by the regimental band of the Royal 22nd Regiment and pipe major Alex Graham from the Queen's Own Cameron Highlanders of Winnipeg, who had fought at Dieppe and had been captured. A 100-man Canadian guard of honour fired the salute.

Following the service, the Canadian veterans, paraded from Canada Square, next to the beach where the Canadians soldiers died, to City Hall. Later, the veterans marched from memorial to memorial along the beach, each remembering fallen members of the four regiments that came ashore on the Dieppe beach: the 154th Canadian Army Tank Regiment of Calgary, Les Fusiliers Mont-Royal, the Essex Scottish and the Royal Hamilton Light Infantry.

Two more official ceremonies honouring the Canadians who fought in the raid were held on August 20 to close the week: one at the memorial in Pourville; and the other beside the seawall at Puits. At Pourville the 78 members of the South Saskatchewan Regiment and the 60 members of the Queen's Own Cameron Highlanders who died in the raid were remembered. At Puits the members of the Royal Regiment of Canada from Toronto who landed on the beach were honoured.

It was at Puits, where the beach is only 250 metres wide, that the Royals suffered more than any other regiment in the Dieppe raid. Of the 554 who left England,



National Museum of Man photos

Dieppe Raid painted by Canadian war artist C.F. Comfort

## Canada has its day at Knoxville International Energy Exposition

only 65 returned unhurt; some 207 men died in the raid and the rest were taken prisoner.

### Second World War memorabilia

In Ottawa, *Dieppe 19/8/42*, an exhibition commemorating the courage and determination displayed by the Canadian soldiers was opened on August 19 at the Canadian War Museum.

The exhibition, which includes film, photographs, paintings and artifacts, was organized by the museum's designer Tony Parkhouse. The artworks in the show were selected by the curator of war art for the National Museums Corporation Hugh Halliday and curatorial assistant Fred Azar.

Some 35 paintings, many of them done by official German war artists who witnessed the aftermath of the raid, are on view. Among the artifacts are: the original three-dimensional landscape model used by the Allies to plan the raid; a *Zundap KS-750* heavy motorcycle used by the Germans; a newly-acquired model of a *Mustang* reconnaissance aircraft used by the Allies; and the flag of the Second Canadian Division.

### House grows with family

The house in the London, Ontario subdivision has all the trimmings you would expect to find in a dream home: the fireplace, elegant drapes, deluxe furniture and deep carpets.

In the upstairs, however, there is a decorated bedroom and one big room with insulation showing, plank floor and little else.

It is called the Expandable Home and Hector MacHutchon, project manager for a London construction firm, believes it is the direction in which builders must move if they want to sell houses.

The living space is designed to be expanded as the family needs more room, Mr. MacHutchon explained.

The house is based on the one-and-a-half storey units built after the Second World War, Mr. MacHutchon said. The living space on the main floor is finished, but the upstairs is left unfinished to keep the cost of the house down.

The house has a door at the top of the stairway so the homeowner can shut off the unfinished portion.

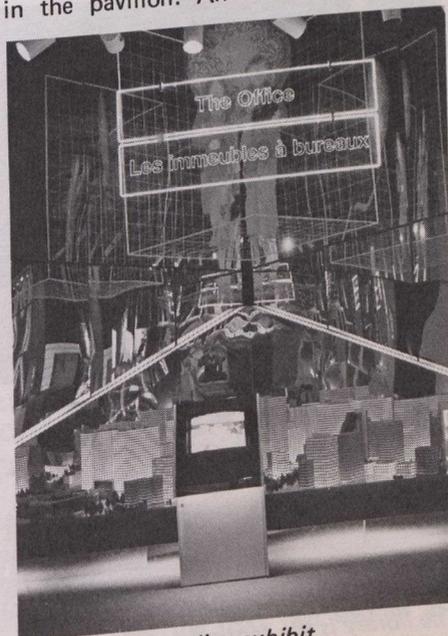
The house, which sells for \$56 950, has a five-year term mortgage to buyers at 15 and three-quarters per cent with a down payment of 10 per cent.



The opening reception at the Canadian pavilion at Knoxville.

Canada Week, the highlight of Canada's participation at the Knoxville International Energy Exposition (1982 World's Fair), took place in Knoxville, Tennessee, August 23-25.

The Canadian pavilion at the world's fair was developed along the theme of "resource management through exploration, innovation and conservation". Frontier exploration, oil sands development, nuclear energy, alternative energy and energy conserving building techniques are some of the areas explored in the pavilion. An information centre



Part of the Canadian exhibit.

using Telidon, Canada's computer and telecommunications technology, provides information to visitors on the Canadian energy scene.

For the first time at an international exposition, four provinces — Alberta, British Columbia, Ontario and Saskatchewan — are participating along with the federal government in the Canadian display.

Canada Week at the exposition was attended by Ambassador to the United States Alan Gotlieb, who held a reception for international participants at the fair.

In addition, an entertainment show called "Surprising Energy" was presented with master of ceremonies, Glen Smith of Toronto, introducing performances by singer-composer Ann Mortifee of Vancouver; The Nylons an "a cappella" group from Toronto; and singer Marisa May of Montreal. During the week, a number of Canadian artists also performed around the fair grounds, including the Montage Theatre of Charlottetown; Trio Con Brio, a concert group from Toronto; Mime's the Word, a young group of boys and girls from Montreal; and Pied Pear, a musical duo from Toronto.

In honour of the world's fair, some of the boys, aged 12-16, from the Mime's the Word group ran a 1 920-kilometre marathon in July from Ottawa to Knoxville in ten days.

## Oil squeezed from rock could be lucrative business

A British Columbia scientist thinks he has unlocked the secret of squeezing oil out of shale, reports the *Canadian Press*.

North America's oil shales contain more oil than the Middle East, but the problem has always been how to get the oil out of the shale.

Dr. Joseph Sanda has spent years researching various processes for getting oil out of oil sands, oil shales, and even coal and now thinks he has the answer.

He operates a demonstration plant with two other scientists, Barry Ryan and Beverley Ford, that takes shale from all over the world and produces varying oil quantities.

The process involves crushing the shale and then pulverizing it to a talcum-powder consistency. It is then mixed with a special reagent and a petroleum-based solvent like naphtha.

The reagent breaks down the shale and

separates a material called kerogen from the rock. Kerogen contains the oil. The mixture is put into a centrifuge that spins the mixture and separates the shale from the kerogen.

The kerogen is then dissolved in a mixture of Dr. Sanda's reagent and a petroleum-based solvent. The solvent and the reagent are extracted, and what remains is a high grade crude oil that can be sent to a refinery for conversion into gasolines and other products.

Dr. Sanda, a Czechoslovakian who received his doctorate in chemistry from Martin Luther University in West Germany, said the process gets 97 per cent of the oil present in the shale. A commercial-scale pilot plant is needed to determine precise costs, but Dr. Sanda is confident his process can produce oil at half the cost of current imports.

The process is viable when others have

not been because "the whole process is done at ambient temperatures. We don't need to apply heat to the process to make it work", said Dr. Sanda.

Most other processes require that the shale be heated to extreme temperatures — 482 degrees Celsius. But these processes use almost as much energy to create the high temperatures as they produce in oil from the shale.

### No heat needed

The heat-free process relies entirely on the reagent that is mixed with the shale. Dr. Sanda has applied for patents on the reagent in Canada and the U.S.

He has formed a company, Kohle Energy Research Consultants Incorporated to research and develop his process. Vancouver businessman R.S. Cox also has established a company, Sandoil Resources Incorporated, to co-ordinate the construction of the pilot plant — probably in Colorado — and find investors.

## Sports library provides information internationally

A Canadian sports library is at the centre of a United Nations program that provides information to countries around the world.

The Sport Information Resource Centre is a branch of the Coaching Association of Canada in Ottawa. The library, funded by the federal government, is devoted exclusively to sport and is staffed by the librarians, two library technicians, four clerks and typists.

More than 20 000 books and reports have been carefully studied and their contents recorded in a computer bank at the library for quick retrieval by a researcher.

The centre was recently selected by the United Nations Educational, Scientific and Cultural Organization (UNESCO) as the hub for a sports information network spanning the globe.

### Started as national service

"We began as strictly a national organization aimed at assembling data relating to sport in Canada," said manager Gilles Chiasson. "But interest in sport throughout the world continues to grow and many countries are into the same data gathering process as we are. Through UNESCO we've now established a computerized interaction system where we supply information to other countries and draw on their collection of know-

ledge. Naturally, it would be impossible for us to store in our computer every item written on sport so we have set up a reference system so people can find whatever has been written on their particular subject of interest and where it can be found."

The key to the entire operation, which functions through a data base in Santa Monica, California, is a bibliography containing almost 100 000 references to the

more than 115 000 items stored in the data base.

Although computerization and accessibility are what put Canada in the forefront in this area, it is the printed bibliography which makes the system work.

"Even those countries, without access to the data base can still acquire the bibliography," said Chiasson. "When they want to know something they can telephone, write or telex us and we can either supply the information or lend them the material from our library."



The library is the centre for a United Nations' information network.

## Former Ottawa conductor leads Calgary orchestra



Karsh

Conductor Mario Bernardi now leads the Calgary Philharmonic Orchestra.

Mario Bernardi, head of the National Arts Centre Orchestra for the past 13 years, took up the position of music director of the Calgary Philharmonic Orchestra in July.

Under the terms of his three-year contract Mr. Bernardi will lead the orchestra for 15 to 17 weeks each season and be responsible for all planning.

The president of the Calgary Philharmonic Society, James Palmer, said that "with the appointment of Mario Bernardi, the opportunities for the future of Calgary Philharmonic Orchestra are greater than they have ever been. The orchestra enters a new era of artistic development designed to bring to the citizens of Calgary and to the province of Alberta a symphony orchestra whose artistic standards will be recognized both nationally and internationally."

### Opera to be presented

Mr. Bernardi said he would like to see performers involved in chamber music and in opera under his direction and preliminary discussions have already been pursued with the Southern Alberta Opera Association. He also said that he hoped that the Calgary Philharmonic Orchestra would be able to make recordings and tour during his tenure.

In accepting the position with the Calgary orchestra, Mr. Bernardi said he

was looking forward to "having his own orchestra and to see it grow and improve". He added that he was especially pleased to be taking on the responsibility for a full symphony orchestra after his years with the chamber-size National Arts Centre orchestra.

"I was also convinced last fall that there was locally the resolve, the tension, absolutely the will to have a good orchestra. Another thing that appeals to me is having the new arts centre. This will have an effect on the way the orchestra plays and the general outlook of the musicians," added Mr. Bernardi.

During his 13 years as the head of the National Arts Centre Orchestra, the orchestra grew to be considered by many as the best orchestra in Canada, and Mr. Bernardi was able to choose from the best — and most expensive — solo musicians in the world. He also led the operatic life of the capital, with frequent concert opera presentations and the staged productions of Festival Ottawa, Canada's only world-class summer music festival.

Mr. Bernardi replaced Hungarian-born Arpad Joo in Calgary, who resigned as artistic director to pursue recording and guest conducting engagements elsewhere. Mr. Joo will continue to lead the orchestra over the next two seasons as principal guest conductor.

## Video artists win prizes

Three Canadian video artists have won awards at home and abroad.

Teri Chmilar of Guelph, Ontario and Ardele Lister of Calgary, Alberta were winners at the recent Atlanta Annual Independent Film and Video Festival in Atlanta, Georgia. Chmilar was lauded for *Sudz*, a 33-minute humorous documentary about the laundromats of southwestern Ontario.

Lister was given an award by Atlanta TV station WSB for *Split*, a 21-minute narrative work about a 16-year-old girl at odds with her family and society. Both artists received grants from the Canada Council to produce their works.

*Split* also won one of the 27 prizes awarded in the fourth Tokyo Video Festival which included 741 entries from 20 countries. Lister's tape has also been chosen by Ithaca Video Projects for inclusion in the Ithaca Film Festival which will tour video centres in the United States, Canada, Europe and Japan this year.

In addition, a third artist Noel Harding of Toronto, was this year's recipient of the Toronto-Amsterdam Exchange Award. The annual prize was established in 1976 and provides an opportunity for Toronto artists to live, work and study in Amsterdam. The award is administered by the Albert Franck Committee appointed by Toronto City Council.

Harding plans to spend his time in Amsterdam writing the script for a theatre work, entitled *This is What*, which will be produced at Amsterdam's Micky Theatre in December. Harding is professionally represented in Toronto by the Ydessa Gallery and by Art Metropole.

## Arts brief

The National Youth Orchestra, under the musical direction of composer and conductor Marius Constant, completed its 11-city Canadian summer tour with a concert in Toronto on September 2. The tour was the most extensive by the orchestra in over a decade and honoured the Canada Council on its twenty-fifth anniversary. Major funding was provided by the Canada Council and a number of corporate sponsors including American Express Canada Incorporated, Gulf Canada Limited, Pacific Western Airlines and the Royal Bank of Canada.

## News briefs

**Labour Minister** Charles Caccia has announced a one-year extension of the labour education financial assistance program. A \$4.9-million grant which will fund the program until next June will be distributed among individual union members, independent unions and six central labour organizations. Introduced in 1977, the program contributes to the training of union officials in various disciplines including collective bargaining, collective agreement administration and occupational safety and health.

**Suncor Incorporated of Edmonton** has proceeded with a \$355-million expansion of its oil sands plant near Fort McMurray, Alberta. Work began in August on the two-part program that will add to the plant's efficiency and improve production. The expansion is expected to result in the production of an estimated 90 million barrels of synthetic crude oil.

**A joint venture** of AMCA International Limited of Montreal and Balfour Beatty Construction Limited of Britain has been awarded a contract for the design and construction of a coal transshipment terminal in Indonesia. The total contract is worth more than \$85 million, with AMCA's share amounting to some \$50 million. The terminal will receive, stockpile and load coal onto ships bound for a power generating plant at the rate of 5 000 tonnes an hour.

**The Export Development Corporation (EDC)** has signed a \$16.6 million (Cdn) allocation under a line of credit with Banque Algérienne de Développement (BAD) to support a sale of prefabricated buildings by Treco International Limited of St. Romuald, Quebec, to Algeria. The \$19.5 million (Cdn) sale involves the fabrication, delivery and construction on a turnkey basis of eight colleges in Ech Chlef, formerly El Asnam. Each college will consist of five equipped, semi-prefabricated buildings, one each for classrooms, workshops, dining facilities, administrative offices, and living quarters for college personnel.

### Note to readers:

When changes of address are requested please return the address label which includes a printed code number for easier identification and results in faster processing of your request.

**Bell Canada-International Management Research and Consulting Limited**, a subsidiary of Montreal-based Bell Canada, has signed a one-year contract worth \$322 000 with Medellín Public Enterprise Telephone System of Colombia to act as consultant in planning Medellín's telephone system until the year 2000.

**Health and Welfare Minister** Monique Bégin recently announced 30 health research training and career awards totalling \$841 879, which will support scientific research and related activities designed to provide information on issues related to the health care system, environmental health, the health consequences of human behaviour and the health status of selected populations. Dr. Zalman Amit, involved in research on alcoholism and drug abuse at the Department of Psychology at Concordia University in Montreal was named a National Health Research Scholar.

**A film on the subject** of reindeer herding in Canada entitled, *Canada's Reindeer*, was recently premiered at a conference in Tuktoyaktuk, Northwest Territories. Using a combination of archival footage, interviews and live-action photography, the film commences in the 1930s when Andrew Bahr, a Sami herder from Scandinavia, brought 3 000 animals to the western Arctic in an experiment for the Canadian government. *Canada's Reindeer*, which is available for viewing from the National Film Board, was produced and directed by Andrew Steen and Mary Anne DeWolf of Inuk Films, Yellowknife in collaboration with Indian and Northern Affairs Canada.

**The Agriculture Canada** quarantine station at St. David, Quebec has been turned into an experimental farm. The station has been renamed Chapais Experimental Farm, in honour of Jean-Charles Chapais, Canada's first agriculture minister after Confederation July 1, 1867.

**The Canadian Government Office of Tourism** has introduced the first in a series of guides designed to help Canada's tourism interests promote more effectively in foreign markets. *Introductory Guide to the German-Speaking European Market* is a 40-page manual designed to assist the Canadian travel industry in their efforts to attract more visitors to Canada from the Federal Republic of Germany, Austria and German-speaking Switzerland. The guide includes background on the three countries, as well as information on travel patterns and Canadian package tours.



**Karen Dianne Baldwin, 18, of London, Ontario** has become the first Canadian to be named Miss Universe, winning the 1982 crown over 76 other entrants in Lima, Peru. Miss Baldwin, who currently resides in Toronto, will receive more than \$150 000 in cash and prizes and will spend the next year making personal appearances throughout the world.

**Inter Air '82**, an aviation trade show aimed at displaying the products of small specialty manufacturers and suppliers in the aerospace industry, was held recently at the International Centre in Toronto. Show manager Albert Duncan said it was the only show of its kind in Canada. The show attracted 122 exhibitors and included manufacturers of avionics equipment, aircraft parts and instruments and air charter and training operators. Several helicopters, light planes and ultra-light aircraft were also displayed.

*Canada Weekly* is published by the External Information Programs Division, Department of External Affairs, Ottawa K1A 0G2.

Material may be freely reprinted. A credit would be appreciated. Photo sources, if not shown, will be provided on request to the editor, Joanna Kerr.

*Cette publication existe également en français sous le titre Hebdo Canada.*

*Algunos números de esta publicación aparecen también en español bajo el título Noticiero de Canadá.*

*Alguns artigos desta publicação são também editados em português sob o título Notícias de Canadá.*

# Canada

ISSN 0384-2312