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Salute to the importance of top-quality Canadian design

Canadian design is coming into its own. Since the introduction four years ago of the National Design Council awards set up to recognize achievements in the field of design, there has been a new recognition of the vital importance of design in enhancing productivity.

Long before that, since its establishment in 1961, the National Design Council has been encouraging Canadian industries to look at design and try to improve its quality. The council administers several design assistance programs intended, among other things, to bring business leaders and governments to an understanding of the function of design in product development and to recommend a policy for design capable of furthering the country's economic growth.

The council also tries to improve Canadian competence in design and make the public more aware of the importance of quality in Canadian products. It is to this end that the council introduced in 1979 the Design Canada Awards Program which includes three awards for design — the National Design Council Chairman's Award of Excellence in Design Management, Awards of Excellence for Product

Design and Honourable Mentions for Design. Subsequently added were Awards of Excellence featuring achievements in industrial design, graphic design and interior design and the Special Awards for innovation, research and development.

On March 11, 1980 the first presentation ceremony took place in Toronto. The ceremony has now become an annual event.

Last June, at the fourth Design Canada award ceremony, the Design Council recognized some 20 Canadian companies and designers for their achievements in the field of design. On that occasion, Mrs. Ginette Gadoury, chairman of the National Design Council said: "The Design Council remains convinced of one thing — that putting the talent, skill and imagination of our designers to wise use will play a decisive role in our collective ability to stand up to the competition, increase exports, and keep imports in their proper place. In other words, a good design sells well, here and abroad. This makes it important for the federal government to...acknowledge the role of design as a significant element in the country's economic renewal."



Bicycle saddlebags, designed for Kanuk of Montreal, are lightweight, weatherproof, stylish and offer little wind resistance — all qualities that have made them popular.



External Affairs
Canada

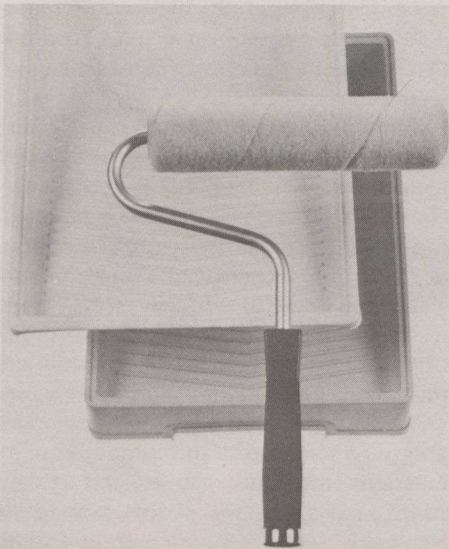
Affaires extérieures
Canada

Following are some of the products — all invented and manufactured in Canada — that captured this year's Design Canada awards.

Bicycle saddlebags, designed for Kanuk of Montreal, are lightweight, and balanced, with a low centre of gravity to provide safe maneuverability. Because of their semi-rigid construction, they do not come into contact with the bicycle spokes or interfere with the cyclist's motion.

Made of strong polyethylene plastic, roto-moulded into a shape that provides extra strength with minimum wind resistance, the bags are also aesthetically pleasing. The special plastic also provides complete waterproofing of the whole unit.

Paint-roller set, designed for T.S.



Paint-roller set includes a lightweight roller, a tray that holds more paint, disposable liners plus a telescopic extension pole to reach out-of-the-way corners.

Simms and Co. Ltd. of Saint John, New Brunswick, is a boon to do-it-yourself home painters who often end up with a crippled arm. This model consists of a lightweight roller, a tray that holds more paint, is easier to clean and lasts longer.

There is a telescopic extension pole for getting into those hard-to-reach corners and a tray made of resistant plastic that will not corrode or rust. A tray liner allows for a change of paint colours simply by changing liners. The liner is a throw-away item which saves on the cleaning-up.

Duraglide spiral slide. The firm of Paris Playground Equipment Ltd. of Paris, Ontario has created the Duraglide, a segmented, moulded plastic slide consisting of four basic units: a step, top entry, mid-section and a bottom exit module. The step and mid-section module can be nested together.

With the exception of a steel centre pole and stair channel, the 2.4-metre-high slide can be easily packaged and shipped. This has allowed breakthroughs into new markets in Australia, Europe, the Middle East and the Far East.

Farm tractor. This powerful tractor with extra-efficient fuel consumption was designed for Versatile Farm Equipment of Winnipeg, Manitoba. This 1150 Versatile tractor is powered by a 470 BHP Cummins KTA 1150 C engine, improved sensing system, one-piece side glass for perfect visibility and features pleasant work conditions with an air-conditioning system and an AM-FM stereo cassette pick-up.

The single-pocket proof station was invented by NCR Canada Ltd. The product's major application is bank docu-

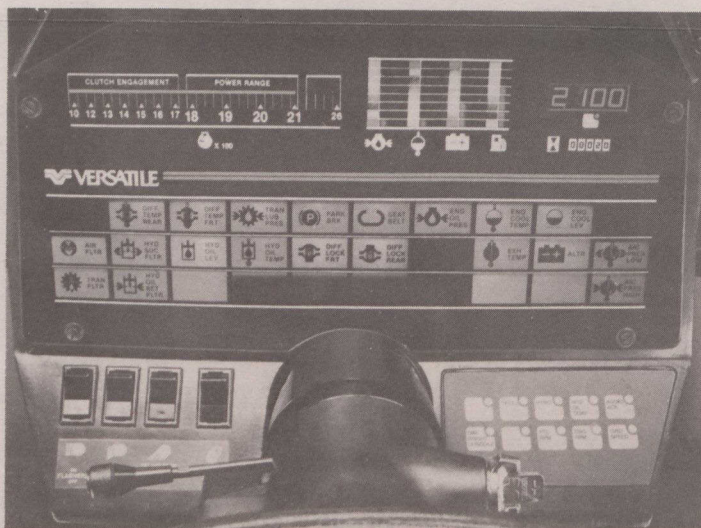


Duraglide spiral slide composed of moulded plastic modules is easy to package and ship.

ment verification, ensuring balanced transactions. The unit is also used for remedial reject re-entry, credit card billing, lock box accounting and load coupon encoding.

The station is used by a seated operator who places a cheque from the document tray into the "hand drop", and enters the required data on the integrated keyboard. The cheques are then automatically processed and stacked into a single pocket. The workstation has been designed to reduce operator fatigue and increase processing speed and efficiency.

For further information on any of these products, please contact Design Canada, 235 Queen Street, Ottawa, Ontario, Canada K1A 0H5. Tel: (613) 992-5004.



The dashboard of the Versatile 1150 tractor has an improved automated sensing system and an AM-FM stereo cassette pick-up.



Single-pocket proof station is designed to reduce operator fatigue and maximize processing speed and efficiency.

Canada-US join in ocean drilling

Canada will work with the United States in a scientific program of ocean drilling to probe deep beneath the sea floor, it was announced recently by Energy, Mines and Resources Minister Jean Chrétien. The announcement follows the signing of a memorandum of understanding between the two countries, confirming Canadian participation in the planning of the United States National Science Foundation's Ocean Drilling Program (ODP).

"Canada stands to gain a great deal of valuable geoscientific information by participating in ODP," said Mr. Chrétien, "especially when you consider the length of our coastlines, our extensive continental shelves, and our increasing interests offshore."

Mr. Chrétien called the agreement "a very sound investment", with Canada contributing \$250 000 to the planning phase of the program over the next year. The US National Science Foundation will spend



Jean Chrétien

\$28.8 million over the same period, most of which will cover the refitting of a vessel to carry out the drilling program.

The minister pointed out that Britain was participating in the planning of ODP, and that Japan, the Federal Republic of Germany and France also were expected to join the project. It is anticipated that the drilling phase will begin in the fall of 1984 and that the drillship will be working in the Labrador Sea during 1985. The knowledge gained here will contribute to an understanding of the geology of the Labrador Sea and help Canada in the search for hydrocarbons off Canada's east coast.

Plans will be developed for research off Canada's west coast in subsequent years to provide Canada with more detailed knowledge of seabed mineral deposits such as those recently found off Vancouver Island.

ODP is the successor to the highly acclaimed Deep Sea Drilling Project which was started by the United States National Science Foundation in 1968, with the participation of several other countries.

Potential for export

The Export Development Corporation (EDC) has recently approved export credits insurance and export financing transactions supporting potential export sales of \$304.7 million to 41 countries.

Export sales which will result if sales are finalized will create or maintain an estimated 10 500 person-years of employment in Canada and will involve 111 exporters and major suppliers.

The transactions involve potash; industrial machinery; automobile products; agricultural products; forest products; the engineering, manufacturing, installation and testing of telecommunications equipment; aircraft, product support services and spare parts; a drill rig for mineral exploration; radio telecommunications equipment and installation; the design and construction of a ten-storey office building; a truck-mounted drilling rig; goods and services for the expansion of a copper concentrator, and the turnkey supply of a professional training centre including construction and road equipment.

UN environment study urged

Federal Environment Minister Charles Caccia has called on the United Nations to create an international task force on the global environment.

While the study group would probably report in two years, Mr. Caccia suggested that there should also be a permanent world environmental protection board.

As things are, he told the UN, nations which are polluted by others "have no more effective recourse than moral indignation".

In what is believed to be the first speech by a Canadian environment minister to the UN, Mr. Caccia backed the idea of a special UN committee to report on the global environment into the next century.

UN Environment Program director Mostafa Tolba said he would like to see the committee created next year. He said there have already been promises of funds from Canada, Japan, Sweden, Norway, Finland, the Netherlands and possibly India. Canada has offered \$250 000 for the project, which is expected to cost up to \$3.5 million.

In his speech to the UN's economic committee, Mr. Caccia made a four-point proposal which the global study group could recommend:



Charles Caccia at the United Nations.

- the creation of an international environment board which could judge if pollution is having global effects and could use the UN's moral weight to ask countries to stop polluting each other;
- the setting up of regular international meetings on global environmental issues;
- the strengthening of the Global Environmental Monitoring System to provide more information on the biosphere; and
- asking nations to adopt environmental bills of rights which would help governments shape laws to protect the environment.

Mr. Caccia said the world is facing increasing environmental deterioration and "the survival of humanity hinges on initiatives of this kind".

Task force reviews technology

A new six-member task force has been created to review all of the federal government's internal science and technology activities and will report in six months to Donald Johnston, federal Minister of State for Science and Technology and Economic Development.

The task force is composed of three representatives from private industry, two from universities and one labour union representative. The task force, under the chairmanship of Douglas Wright, president of the University of Waterloo, will review the government's internal research and development programs and policies and make recommendations directly to Mr. Johnston, who is chairman of a Cabinet subcommittee on science and technology.

A survey of distinctive new Canadian books to stuff your stockings or burst your bookshelves

Art and architecture

My Favourite Watercolours by A.J. Casson and Paul Duval. This book contains some of the most beautiful works by Group of Seven artist A.J. Casson in his favourite medium, watercolours.

Frederick H. Varley by Peter Varley. The first major book celebrating the art of Frederick Varley, Canada's great portrait artist and innovative member of the Group of Seven.

Kurelek's Vision of Canada by William Kurelek and Joan Murray. This collection of William Kurelek's work, accompanied by the artist's own commentary, includes 50 colour reproductions of his paintings.

The Klondike Quest by Pierre Berton. In this album of 200 historical photographs, Pierre Berton has captured the inner face of man's search for something other than gold.

Folk Art: Primitive and Naïve Art in Canada by Blake McKendry. Specific categories of folk art are discussed and the best-known pieces in each presented.

Modern Canadian Architecture by Leon Whitson. This book outlines the accomplishments of Canadian architects during the past three decades, with examples of 60 Canadian-designed buildings.

Music

Heart of Gold: 30 Years of Canadian Pop Music by Martin Melhuish. Based on a CBC-TV documentary, this book presents a look at the personalities, workings, and growth of the Canadian pop-music scene.

People

Debrett's Illustrated Guide to the Canadian Establishment edited by Peter C. Newman. A guide to the elite of Canadian society, its history and its dynasties, its pleasures and its pastimes, its homes and its toys.

Doctors by Martin O'Malley. Ten Canadian doctors talk candidly about their careers, the pressures of their professional and private lives, the financial and spiritual rewards, the politics of institutionalized medicine.

Glenn Gould Variations edited by John McGreevy. A celebration of one of the greatest pianists of the twentieth century with contributions from Leonard Bernstein, Yehudi Menuhin and Yousuf Karsh, among others.

Storm Signals: More Undiplomatic Diaries, 1962-1972 by Charles Ritchie. The award-winning author of *The Siren Years, An Appetite for Life and Diplomatic Passport* continues his candid



chronicles of diplomatic life, this time while Canadian ambassador to Washington and as Canadian high commissioner to London.

Charles Templeton: An Anecdotal Memoir by Charles Templeton. The author has achieved recognition as an evangelist, sports cartoonist, newspaper editor, novelist, actor, playwright, magazine editor, politician, TV talk-show host, interviewer, radio commentator and inventor. This memoir brings together scenes from his diverse careers.

A Doctor in the West by Morris Gibson. Doctors Morris and Janet Gibson, who set up medical practice in the tiny town of Okotoks, Alberta, have compiled these often comic and sometimes heart-breaking recollections into a loving portrayal of a western town and its people.

Fiction

A Time for Judas by Morley Callaghan. In this new novel, the author has undertaken a dramatic retelling of the story of Christ's trial, crucifixion and resurrection.

A Fairly Good Time by Mavis Gallant. An incisive characterization of a confused but gregarious Canadian woman in Paris freshly deserted by her journalist husband.

The Oxford Book of French-Canadian Short Stories edited by Richard Teleky. Spanning 150 years, this major new anthology offers English-speaking readers 22 stories by leading French-Canadian writers.

Baraka by John Ralston Saul. Set against the backgrounds of Morocco,

Thailand and Vietnam, the author of *Birds of Prey* weaves a tale of oil deals, arms deals and civil war.

Pluck by Jonathan Webb. Co-winner of the \$50 000 Seal Award for 1983, this first novel explores the dynamics of a long-standing loyalty shared by five friends and charts the tensions and violence that eventually destroy it.

Humour

Colombo's 101 Canadian Places by John Robert Colombo. From Alert to Yoho, here are some of Canada's most lively and unlikely place-names, accompanied by 50 witty drawings by Peter Whalley.

Canadide: A Patriotic Satire by Eric Nicol. Eric Nicol's all-Canadian hero, the naïve but well-intentioned civil servant Martin Richard, makes the mistake of confessing that he has nothing to do... and plunges into one disaster after another.

The Complete Hoser's Handbook by Hugh Brewster and John Forbes. From Nonookie, British Columbia to Sealbash Harbour, Newfoundland, this land is "hoser" from sea to sea. Includes fail-proof Hoser Quiz to stymie even the most sophisticated Canadian.

Politics and business

Dome: The Rise and Fall of the House that Jack Built by Jim Lyon. The story of Dome Petroleum and the intrigue and tension involved in this company's struggle to survive.

The Moneyspinners by Rod McQueen.

Rod McQueen breaks through the secrecy that shrouds the elite world of Canadian banking to produce revealing portraits of bankers at all levels.

Nights of the New Technology: The Inside Story of Canada's Computer Elite by David Thomas. This book examines the entrepreneurs, engineers, scientists and financiers who inhabit the world of micro-electronics.

History

Christmas in the Big Igloo edited by Kenn Harper. A collection of true accounts of Christmases spent in Canada's far North with descriptions of nineteenth century explorers to Christmas as it is spent in Inuit communities today.

The Selling of Canada: The CPR and the Beginnings of Canadian Tourism by E.J. Hart. This book describes how the CPR developed and promoted Canadian tourism while also laying the groundwork of Canada's national identity.

In Enemy Hands: Canadian Prisoners of War 1939-45 by Daniel G. Dancocks. An account of Canadians taken prisoner during the Second World War with stories of 165 men and their adventures of imprisonment and escape.

The de Havilland Canada Story by Fred W. Hotson. The story of a great Canadian aircraft manufacturer from its growth through the Depression into a world-class operation.

Towards a New Interdependence of Nations by Lewis Perinbam. This small booklet by Canadian International Development Agency vice-president Lewis

Perinbam with foreword by Prime Minister Trudeau presents a Canadian approach to the problems dividing the developing South countries and the industrial North.

Nature and travel

Canada: A Celebration, text by Robert Fulford, photos by John de Visser. A true celebration of the country with 170 full-colour photographs and the 30 000-word text by one of Canada's foremost writers.

Canada's National Parks by R.D. Lawrence. With more than 400 colour photographs, this book is a fitting tribute to the beauty of the 29 parks in Canada's nationwide parks system.

Canadian Songbirds and Their Ways by Jim and Trudy Rising. This newly reprinted edition is one of the most extensive works on Canadian birds to appear in the past two decades.

The Great Canadian Adventures Guide by Elliott Katz. More than 250 excursions offered by 200 outfitters cover white-water rafting, mountaineering, scuba diving, dog-sledding, balloon racing, helicopter skiing and kayaking.

Everest Canada: The Ultimate Challenge by Al Burgess and Jim Palmer. An account of the Canadian team's triumph over adversity during their assault on Mount Everest in the fall of 1982.

Sports

Cheering for the Home Team: The Story of Baseball in Canada by William Humber. This book covers Jackie Robinson's debut with the Montreal Royals; the founding of the Montreal Expos and

the Toronto Blue Jays.

Hockey Night in Canada: TV Game Book by Al Strachan, Bill Houston and Michael Gray. It is packed with quizzes, crosswords, games and hockey trivia.

An Unbroken Line by Peter Gzowski. Set at Toronto's Woodbine Racetrack. This book covers the period from the 1982 Queen's Plate to the summer of 1983 and the one-hundred-and-twenty-fourth running of this historic race.

Cookbooks

Favourite Recipes From Old New Brunswick Kitchens by Mildred and Stuart Trueman. Dozens of old nostrums are included in this cookbook containing over 300 New Brunswick and Acadian recipes.

Vintage Canada by Tony Aspler. A veteran wine writer provides an informative history of commercial winemaking across Canada.

The Canadian Fish Cookbook by Jan Howarth. This comprehensive guide covers the handling, preparation and cooking of every available species of fish and shellfish.

Hobbies and crafts

Antiques: An Illustrated Guide for the Canadian Collector by Hyla Fox. The would-be collector is offered instruction in the areas of buying, selling and caring for antiques.

Colombo's Canadiana Quiz Book by John Robert Colombo. A chance to sharpen your wit and increase your knowledge of Canada with this collection of more than 200 quizzes on Canadian subjects.

Reference books

The Houghton Mifflin Canadian Dictionary of the English Language. This Canadian dictionary contains more than 155 000 entries and 4 000 illustrations including photographs, charts, diagrams and maps.

Canadian Winners and Heroes by Brenna and Jeremy Brown. Canada is a nation of winners and heroes, as this book shows in its coverage of every aspect of endeavour.

For further information concerning these and other Canadian books, please contact the Canadian Booksellers Association, 49 Laing Street, Toronto, Ontario, Canada M4L 2N4. Tel.: (416) 469-5976.

"Ice maps" help oil and shipping industries

Canadian scientists are hot on the trail of a satellite method that uses the small amount of heat given off by ice floes to predict when northern shipping routes will freeze over, writes Christina Spencer in *The Citizen*.

Using sophisticated microwave equipment aboard a United States Navy satellite, researchers at a Toronto firm have watched ice thicken and abate along more than half of Canada's coastline since the mid-1970s.

The result is a large collection of "ice maps" that show the day-to-day changes in ice throughout Canada's North.

Accurate predictions

By measuring the type of ice in each area, they can make accurate predictions of when shipping routes will be stopped up for the winter season. The knowledge may save oil and shipping companies millions of dollars annually.

"We can tell within a day what the ice is doing," Frank Bunn, owner of Ph.D. Associates, said recently.

"If we can use that to extend the shipping season a few weeks, it could save Canadian industry millions of dollars."

Mr. Bunn said the process evolved as scientists realized everything — even ice —

gives off a certain amount of heat. Examined in the microwave spectrum, this heat can be monitored to see when changes occur.

Readings vary

The microwave readings of ice vary with age, although researchers are not sure why.

"We know that it happens and we can tell we've got totally different kinds of ice. We don't really understand the physics yet, but we can use those changes," he said.

Two American satellites, *Nimbus 5* and *Nimbus 7*, were outfitted with microwave instruments when they were launched in 1972 and 1978. They have measured ice temperatures in the Beaufort Sea, Hudson Bay and Baffin Bay since then.

From the temperatures, Mr. Bunn's group calculates the concentration of ice and can determine whether ships will make it through certain areas.

With the data, ships could even be sent to sea before the ice has completely broken up, because the ice map would indicate that by the time it reached a certain point on its journey, enough melting would have occurred to let the ship through.

Bolivian wins McLuhan prize

Luis Ramiro Beltran, Bolivian-born journalist and communications scholar, has won the first \$50 000 McLuhan Tele-globe Canada Award, the Canadian Commission for UNESCO has announced.

The award was set up earlier this year in honour of the late University of Toronto philosopher Marshall McLuhan, author of *Understanding The Media*.

Its purpose is to encourage exceptional contributions to better understanding the influence of communications media and technology on society in general, and on its cultural, artistic and scientific activities.

Luis Ramiro Beltran, who lives in Bogotá, has written extensively on communications research and techniques for rural development in Latin America and was a visiting professor at Stanford University in California in 1978.

Computer speaks for the disabled

Development of computerized communications aids for the disabled has been announced by two Ontario universities.

At a University of Windsor demonstration recently, a modified Timex Sinclair 1000 home computer was controlled by a joystick to present written messages on a video display terminal.

Developed by a research team headed by Reinhard Helbing, a physics professor, two prototypes are being used by severely handicapped multiple sclerosis patients who have lost the ability to speak.

The device allows patients who are capable of bodily movements of only six millimetres to assemble sentences from letters displayed in a matrix pattern. Patients can program the unit to display labelled messages such as "I am fine" or "I need a drink of water" at the touch of a key.

Mr. Helbing's prototypes need 16K RAM (random access memory) and 4K ROM (read-only memories), both offered by Timex as Sinclair options. An interface to permit use of the joystick was developed by the university.

At the University of Waterloo, researchers unveiled an "audio Bliss board", which uses a microprocessor and speech synthesizer to allow severely handicapped people to communicate. The device is used to manipulate a 22-centimetre-square plexiglass tablet containing an array of 64 Bliss symbols, a symbolic language used by the disabled.

Canadian army uniforms grace new stamps

The Canadian army began as a volunteer militia force 100 years ago and uniforms worn by militiamen around 1883 are featured on two recently issued stamps.

The 32-cent stamps depict the uniforms of four regiments founded in 1883 when the government of the day passed a new Militia Act authorizing the raising of regular units of cavalry and infantry to supplement the artillery batteries already in existence.

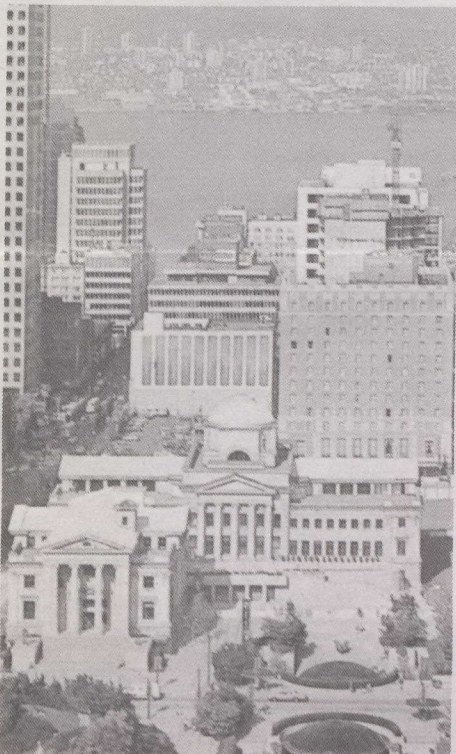
One new stamp shows a scarlet-coated senior non-commissioned officer of the Royal Canadian Regiment with an officer wearing the traditional blue uniform of the British Columbia Regiment. On the second stamp, a militiaman in the traditional dark green uniform of the Royal Winnipeg Rifles is paired with an officer of the Royal Canadian Dragoons in a scarlet tunic.

The finely detailed illustrations on these stamps are by Toronto artist and art teacher William Southern. Ralphy Tibbles, also of Toronto, created the layout and typography.



From truth to beauty: Vancouver courthouse becomes art gallery

Three years after the start of its \$20.5-million transformation from courthouse to museum, a 1907 neo-classic building in British Columbia has emerged as the handsome new home of the Vancouver Art Gallery.



Officially opened by Governor General Edward Schreyer on October 15, the gallery is featuring an exceptional program of exhibitions and events which illuminate architect Arthur Erickson's striking display spaces.

One of the opening attractions is a newly-assembled Emily Carr exhibition, a permanent tribute to the province's great painter. There is also a collection of 27 paintings by English, Italian, Dutch and French masters loaned from the National Gallery of Canada.

But the centrepiece — the largest show the gallery has ever mounted — is *Vancouver: Art and Artists 1931-83*, which includes 600 works borrowed from public and private collectors and museums throughout Canada. The show, which runs until December 31, includes works of several major Vancouver artists, such as Jack Shadbolt, Iain and Ingrid Baxter, Michael Morris, Gordon Smith, Tony Onley and sculptor Geoffrey Smedley.

A major 440-page catalogue accompanies the exhibition with contributions from leading curators and critics.

Glenbow director named to Commonwealth post

Duncan Cameron, director of the Glenbow Museum in Calgary, Alberta has been elected to a three-year term as president of the Commonwealth Association of Museums.

Mr. Cameron is the first Canadian president of an organization that represents 48 Commonwealth states, and his election will result in the transfer of the association's secretariat from London, England to Calgary next summer.

Described as "something like a cultural CIDA" (a reference to the Canadian International Development Agency), the association was established in 1971 to encourage the exchange of museum information and standards among Commonwealth countries.

According to Mr. Cameron, the current thrust is to foster more exchange programs for curators from African countries and to help establish a basic museum training program in third world states such as Malawi.

Quebec author dies

Yves Thériault, an eighth-grade dropout who went on to become one of Quebec's literary giants, died recently after a brief illness. He was 67.

Mr. Thériault had more than 40 works to his credit and was translated into many languages, including English, Italian, German and Polish. His most famous novel, *Agaguk*, a raw story of Inuit life, was published in the early 1960s and established his literary reputation. It won him numerous awards but was never his favourite.

"It was the book I liked the least but which served me best," he said in an interview last fall.

Mr. Thériault, the son of a carpenter, was born in Quebec City but grew up in westend Montreal. He had a cosmopolitan childhood, speaking French and English with equal fluency.

BBC buys National Ballet film

The British Broadcasting Corporation (BBC) has purchased the National Ballet of Canada's television production of *Newcomers*, Brian Macdonald's ballet on the Canadian identity.

It is the first television project in

which the National Ballet served as its own production company, and the sale to the BBC marks a significant step for the company into the international television market.

Originally taped for Canada's C-Channel in December 1982, the television production was directed by Brian Macdonald and features National Ballet dancers Veronica Tennant, Raymond Smith, Vanessa Harwood, former company member Sean Boutilier, and artists of the ballet. Pat Ferns of Primedia Productions, Toronto acted as producer for the National.

Newcomers was originally commissioned by Imperial Oil Limited on the occasion of the company's one-hundredth anniversary in 1980.

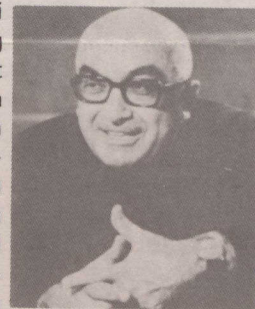
The ballet consists of four movements, each based on the music of a Canadian composer: Harry Freedman, Lothar Klein, André Prévost and John Weinzweig, with the National Ballet Orchestra under the direction of George Crum and the Vancouver Bach Choir under the direction of Bruce Pullan. Costumes were designed by Suzanne Mess and sets by Claude Girard.

The BBC plans to telecast *Newcomers* in December 1983.

Covent Garden debut for Mansouri

Lotfi Mansouri, general director of the Canadian Opera Company since 1976, will make his directorial debut with the Royal Opera Covent Garden in London with a staging of the Massenet opera *Esclarmonde* with Dame Joan Sutherland in the title role, on November 28, 1983.

Mr. Mansouri will be staging his first Covent Garden opera with a production he originally produced for the San Francisco Opera and later staged at the Metropolitan Opera. On both occasions,



Lotfi Mansouri

the opera starred Dame Joan Sutherland.

With *Esclarmonde* at Covent Garden, Mr. Mansouri adds one more credit to his illustrious career, one which has included engagements at Teatro alla Scala, Vienna State Opera, Australian Opera, Netherlands Opera and the position of resident stage director at both the Zurich and Geneva opera houses.

Dutch ice race moves to Ottawa

The ice race that became legend by the story of Hans Brinker and his silver skates will be transported across the Atlantic to Ottawa next February as part of the capital's Winterlude festival.

And with it, over 700 Dutch citizens will come to the area to make sure the race does not lose any of its European traditions.

Through the years, the tale of the poor little Dutch boy who strapped on his wooden skates and struggled to victory in the 200-kilometre 11 cities tour in the Netherlands has remained a favourite of children throughout the world.

In the Netherlands, the race was held on the canals and took skaters through 11 cities in the northern province of Friesland. Under a new name — The International Race of 11 Cities — participants in the speedskating event at Winterlude will cover the 200 kilometres by making four return trips on the Ottawa River between Ottawa and Cumberland, Ontario.

The race has been held in the Netherlands since the early 1800s, but stopped in 1963 when ice conditions deteriorated.

"The Netherlands are no longer suitable. The ice is not strong enough," explained Marnix Van Aerssen, a Netherlands Embassy official. "It has to do with more and more factories throwing out hot waste water into the canals. The temperature in the canals rises, and the ice doesn't get thick enough."

The event was revived in 1973 and held in Norway and Finland, but organizers decided to move it to Canada.

More than 250 people in the Netherlands have already paid for participation in the race, and hundreds of people are expected to follow them, according to Mr. Van Aerssen.

"I think you'll see and hear the Dutch language all over the place."

Skating on the canals is a national activity in the Netherlands, and this race has the same emotional impact on the Dutch as the Stanley Cup playoffs have for Canadians.

"It is one of our traditions, it's a race that people get very excited about. If it were still in the Netherlands, at the finish there probably would be 100 000 people on the ice, and the winner would be hailed as a hero."

Winterlude, the National Capital's ten-day winter celebration, runs from February 3 to 12.

News briefs

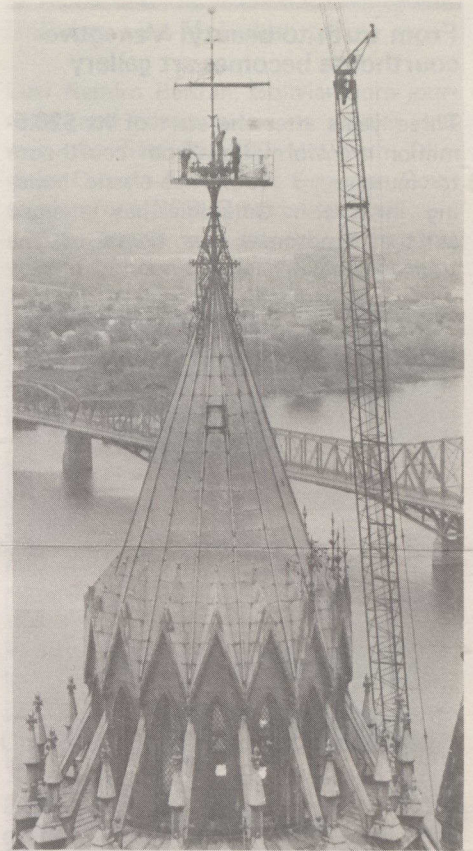
Connaught Laboratories Ltd. of Toronto and **Integrated Genetics Inc.** of Framingham, Massachusetts, have agreed on the development of a vaccine for hepatitis B. The hepatitis B virus invades and prevents the normal function of liver cells. Connaught Laboratories Ltd., a unit of Canada Development Corp. of Vancouver, British Columbia will pay Integrated Genetics for the rights to technology developed by Integrated Genetics for mass production of hepatitis B surface antigen, a major component of the virus that can be used to produce a vaccine to immunize against potential infection. Once vaccine development is completed, Connaught Laboratories Ltd. will market the vaccine in North and South America.

Novatel Communications Ltd., a joint venture of Nova Corp. of Calgary and Alberta Government Telephones, has announced it will build a \$10-million plant for the assembly of cellular radio systems and related telephone receivers in Lethbridge, Alberta. The 19 500-square-metre operation is scheduled for completion next fall.

Alcan Aluminium Ltd. announced recently that it has acquired Reynolds Aluminium (Thailand) Co., a Thai maker of aluminum sheet and foil, from Reynolds International Inc. and the Boonsoong family of Thailand. The Thai company operates a plant in Bangkok with a capacity of 11 500 tonnes of aluminum sheet a year and 2 000 tonnes of foil. The company's name will be changed to Alcan Siam Ltd. Alcan also owns Alcan Thai Co., a maker of aluminum extrusions.

Six Type 1100 light icebreakers for the Canadian Coast Guard and three fisheries protection craft have been ordered from ship-builders across the country. The ice-breakers are Arctic Class 2 ships, capable of breaking ice two feet thick without backing or ramming. Each is equipped to carry a helicopter, 44 crew and six passengers, and will have a range of 6 500 nautical miles at 15 knots. The three fisheries vessels are a 72-metre patrol craft, a 25-metre coastal workboat, and a prototype 17-metre glass fibre class. The total federal order has a value of \$340 million.

ATS Exploration Ltd. has been formed to explore for oil on lands held by Atco, Texaco and the federal government. ATS plans to invest up to \$250



Workmen in a suspended cage had an excellent view as they painted the weather-vane atop the Parliamentary Library in Ottawa. The cage was manoeuvred into position by a crane with an 80-metre boom.

million in the next five years, in the Norman Wells area of the Northwest Territories, and on the Scotian Shelf, the Grand Banks and in the Newfoundland Basin. Partners are Atco Ltd. of Calgary, Sun Life Assurance of Toronto and Texaco Canada, Toronto. The agreement calls for four commitment wells with options to drill up to seven additional wells.

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