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Yellowknife glitters during golden anniversary

The voyageurs, fur traders and British naval officers first passed through Yellowknife, Northwest Territories, a long time ago. This summer, however, they will be on hand as some 2 000 other former residents return to help what is now a thriving city celebrate its fiftieth anniversary.

To mark the milestone, Yellowknifers will be dressed as British Royal Navy officers, French-Canadian voyageurs, fur-traders and Indian guides. They will hold fish fries, craft shows, kindergarten reunions, community barbecues, pancake breakfasts and baseball tournaments.

As well, there will be square dancing, Dene Indian drumming, British- and French-Canadian songs and an old-fashioned northern feast of fish and caribou meat.

And, during a day-long ceremony on the banks of the Yellowknife River, residents will re-enact the 1820 Akaitcho-Franklin expedition during which Yellowknife Chief Akaitcho guided British naval officer Sir John Franklin and his party on an unsuccessful search for the Northwest Passage.

But the part that excites old-timers most is the promise of reminiscing with friends they have not seen since this community of 10 000 was a cluster of tiny, makeshift homes with honey-bucket toilets and no road or telephones to connect them with the rest of the country.

Folk music festival

The two-week homecoming celebration began in late June with Folk on the Rocks, the annual folk music festival, and a golf tournament under the midnight sun, another local tradition.

Most of the rooms in Yellowknife's four major hotels filled up fast. But the Chamber of Commerce says no visitor will be without accommodation — if necessary they will find someone who will let a visitor throw a sleeping bag on the living-room floor.

Yellowknife has been, and still is to a lesser degree, a town of transients.

"There was a mining-town mentality, where people planned on staying a couple of years, that has been replaced by a grow-



Yellowknife is now a thriving city of 10 000 people.

Mike Beedell



External Affairs
Canada

Affaires extérieures
Canada

ing feeling of permanence," says Helen Parker, wife of Northwest Territories Commissioner John Parker and a Yellowknife resident since 1955.

"Most of the houses were tiny, partly for economy's sake, but also because people didn't plan to stay long. People were shocked when a few people started building large homes because it looked as if they meant to stay. But lots of us who didn't mean to stay, did."

Thousands have come and gone over the years and no one knows it better than Barbara Bromley, a nurse who married her childhood sweetheart and joined him there 36 years ago. She has more than 300 names on her Christmas card list.

Bromley operates the only bed-and-breakfast place in Yellowknife. For \$35 a night, guests have the run of her magnificent cedar home overlooking Great Slave Lake's Black Bay. The spectacular view can be enjoyed from cathedral windows under the sloping roof or from the full-length sun deck. Guests can take advantage of Bromley's jacuzzi and, if they are lucky, they might wangle an invitation to join the neighbours in their outdoor hot-tub.

City landmark

Bromley lives on Latham Island in Old Town, where the streets snake around the water or the rock outcrop or become unpaved laneways climbing the steep hill to the Pilot's Monument. The stainless steel structure and stone cairn is a city landmark dedicated to the bush pilots who helped open up the North.

Old Town also is the "in" place to live. Ecology-minded residents in shacks without running water live beside massive cedar houses designed by architects and filled with every modern gadget.

Old Town is the original site of Yellowknife, where weary newcomers settled after disembarking from barges that were little more than "four inches of plywood bearing all their worldly possessions", as Helen Parker puts it.

It is also the home of the Wildcat Cafe, an old miners' restaurant still housed in its original log building, and Weaver and Devore, a general store that sells everything from rubber boots and scarves to sleeping bags and bush gear.

The store, started in 1936 by Harry Weaver and Bud Devore, two Americans who met at a mining camp, is run by the third generation of the Weaver family. Three Weaver sons still make up bundles of food and gear for campers, hunters and prospectors heading into the wilderness.

AMC to build cars in Ontario

The federal and Ontario governments have signed an agreement with American Motors Corporation (which is 46 per cent owned by Renault of France) and American Motors Canada Inc. (100 per cent owned by American Motors Corporation) to participate in the establishment of a state-of-the-art car assembly facility in Brampton, Ontario. The total project cost will be \$764 million — \$422 million for construction of the plant and \$342 million for tooling and land purchase.

The governments' investment in the facility, which will have a North American product mandate to manufacture a new line of intermediate-size cars beginning in July 1987, was announced recently by Ontario Premier William Davis and federal Industry Minister Ed Lumley.

The two governments will invest an equal amount up to \$121 million. The remainder of the investment is being provided through equity from AMC and loans from Canadian banks. AMC's partner, Renault, will assist in the financing.

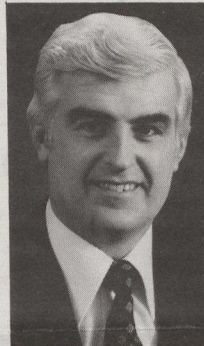
Mr. Davis says that with a sales target of more than 150 000 cars a year by 1990 — more than five times AMC's production at Brampton in 1983 — the project promises expanded, upgraded and long-term employment and production. "This translates into increased profitability, growth and international competitiveness for the Canadian automotive industry," Mr. Davis said.



William Davis

Mr. Lumley said that the governments of Canada and Ontario were entering into this agreement as risk-sharing partners, and "we expect to achieve a return on our investment through the payment of a royalty on the cars produced in the facility". This, said Mr. Lumley, was one more example of how close federal-provincial co-operation could lead to initiatives that benefit Canada.

Construction of the plant is scheduled to start in the fall. It will incorporate optimum plant layout, automated manufacturing, robo-



Ed Lumley

tics and highly skilled labour. The location of satellite parts facilities nearby will increase the technological capability of the parts sector and foster joint ventures between Canadian and European parts companies.

Mr. Lumley welcomed the opportunity that the project offers to develop closer trading links with both France and the United States and to strengthen industrial co-operation between Canadian, American and French companies. Emphasizing the international nature of the project, he said, "It brings together state-of-the-art French design and technology developed by Renault, US technology and marketing know-how and Canadian production capability in a manner that will benefit each country's automotive industry."

Hydro-power to New England

New England governors and eastern Canadian premiers have signed a \$4.5-billion agreement under which Canadian hydro-power will be shipped into the northeast US to help ease the region's long-term energy needs.

The contract signed by officials from the New England Power Pool (NEPOOL) and Hydro-Quebec, a provincially-owned electric utility, is designed to provide 2 000 megawatts of low-cost Canadian power beginning in 1990. The amount is equivalent to 10 per cent of New England's current energy needs.

The ten-year agreement is the second phase of a two-part co-operative energy effort between the two countries. The first phase of the plan calls for 696 megawatts of power beginning in 1986.

The agreement in principle was signed at the conclusion of a three-day conference of the New England governors and eastern Canadian premiers who endorsed the contract.

At the twelfth annual discussion, the chief executives also vowed to look into a possible third phase of the energy project that could include tidal power exchanges between the two nations.

"The exchange of power between the two nations is one of the most important issues of this time," Quebec Premier René Lévesque told about 50 state, provincial and federal energy experts. "We will continue to investigate how we might work together."

Rhode Island Governor, Joseph Garrahy, conference chairman, called the hydro-power agreement "a significant move toward mutual co-operation between the two nations".

Mirabel airport opened to 'no frill' fares

Canada and the United States have agreed to a three-year experiment that Transport Minister Lloyd Axworthy hopes will turn Mirabel International Airport, near Montreal into a Canadian hub for "no-frills" airlines.

The agreement will allow any Canadian or US airline to fly from Mirabel airport to almost any US city without restriction on air fares, frequency of flights or type of airplane used.

The two countries have also reached an agreement in principle to give automatic approval to regional and local airlines wanting to serve transborder routes between small



Lloyd Axworthy

cities. Mr. Axworthy said the agreement was "a major breakthrough" that has ended a ten-year stalemate in bilateral negotiations over air routes. The agreement is to be followed by further talks on major transborder air routes.

The special rules for Mirabel will apply for three years, and then be subject to cancellation by either side on six months' notice. The United States has the right to designate a similar under-used airport of its own.

Excluded airports

Six US gateways will be excluded from the experimental program. Airlines will not be able to fly freely from Mirabel to New York, Boston, Miami, Chicago, San Francisco and Seattle.

People Express Airlines Inc. of Newark, New Jersey, turned that city's airport, adja-

cent to New York, into a major hub for both domestic and transatlantic low-fare traffic. Mr. Axworthy hopes the agreement will turn Mirabel into the Newark of Eastern Canada.

"We have a very effective plant but very limited traffic," he said. If nothing else, the government hopes the cheap-fare services running out of Mirabel will persuade people to drive there from Montreal rather than across the border to airports like Burlington, Vermont, to fly with no-frills US airlines.

The government is also considering "incentive-pricing" measures that might reduce landing fees and airport user charges at other under-utilized airports.

The new rules for transborder commuter routes are not as liberal as those governing the Mirabel experiment.

Canadian cities eligible for such services must be within 400 miles of the border in central Canada and within 600 miles in the West, in Atlantic Canada and in eastern Quebec. US cities must be within an equivalent distance of the border, but Mr. Axworthy said the geographical details have not been worked out.

Eligible Canadian cities must have a population of less than 500 000 people, and US cities must be under one million.

Only one carrier from each country can serve any particular pair of eligible cities, and must use aircraft with less than 60 seats, which excludes jet service.

Mr. Axworthy said improved transborder service to smaller centres could take pressure off the crowded major airports, such as Vancouver and Toronto. In addition to giving consumers a greater choice of routes, the government will be able to put off expensive projects to expand the major airports.

Canadian technology shines in Paris



Canada's exhibit dominated the Quai Branly site beneath the Eiffel Tower.

TECHNICANADA, a unique Canadian technology solo exhibit featuring 60 Canadian companies captured the interest of 26 800 French and foreign visitors last month. Held in Paris, France, the TECHNICANADA structure dominated the Quai Branly site at the foot of the Eiffel Tower.

Michel Dupuy, Canadian Ambassador to France, and Jacques Chirac, Mayor of Paris, inaugurated the exhibition celebrating Jacques Cartier's arrival in Canada in 1534 and this country's technological innovations since.

The Canadian companies, together with three federal government departments, shared the limelight at TECHNICANADA which was organized by the Department of External Affairs. The exhibits featured examples of Canadian technological expertise in telecommunications, offshore exploration, architecture, electronic musical instruments, computer imagery, office automation, agriculture, mining, energy and medicine.

A lifesize model of the famous Canadian used to deploy satellites on the US space shuttle, was the highlight of the TECHNICANADA show.

Canadian studies grant

A total of \$11.7 million over the next three years to support programs in Canadian studies has been approved by the government of Canada.

The new Canadian Studies Program replaces the National Program of Support for Canadian Studies, which ended this year after providing \$3.8 million over the past three years to help major organizations in the field and some 60 independent projects across Canada.

The new program, with its threefold increase in funding, signals expansion of federal support for Canadian studies initiatives in the field, as well as activities of groups and associations in both the formal and non-formal educational systems.

Inexpensive plastic moulds make millions

A few years ago, John Rolph set up a family business in Cobourg, Ontario, to make skateboards. That business did not work out too well, so instead, he turned to making parts for F-18 fighter planes. Future plans include a space-age scheme to create new technology for the huge dish antennae that track satellites.

Along the way, Rolph has established the first, and still the only, company in Canada that makes plastic prototype moulds. The company, Protoplast, has played a major role in preparing the ground for new industry in Canada to replace imports — especially in the vital field of automotive parts.

It all began when Rolph, a professional engineer who had spent his working life in industrial plants and community colleges, acted on a dream to have his own manufacturing business.

He rented a three-room mini-plant in Cobourg's Northam industrial park, and started making skateboards — just at the wrong time. So he turned his attention to the latest fad, roller skating.

But when he designed a plastic device to connect the wheels to the boot of the skate, he could not find anyone to make an

inexpensive mould to test the idea. All he could find, in fact, were other Canadian entrepreneurs with the same problem.

New method

So Rolph, now 46, set out to solve the problem himself. He buried himself in technical journals and rediscovered a revolutionary method of mould-making — invented, but not practically developed, by the English — that would suit his purpose. He found out that the process was being used on a small scale in the United States.

That was the beginning of a search that lasted several months and ended in an unlikely place called Bow, New Hampshire, with a company called TAFE. Rolph bought spray metal equipment from TAFE, became the American company's Canadian agent, and incorporated Protoplast in the spring of 1981.

In simple terms, the company's technique reverses the traditional way of making moulds. Instead of "sculpting" one from a block of virgin metal, it begins at the other end, with a product design, then makes a model, usually in wood, of the part itself.

Then the model is sprayed with a metal

coating less than one tenth of a centimetre thick, and the metal shell is backed with a fast-hardening epoxy resin. The result is a prototype mould that costs a quarter of the price of a conventional production tool and can be turned out in about a month, instead of the usual four months.

As for risks, the business of making roller skates was on the skids just as Rolph got his new plant going. But then a Toronto firm won an order to manufacture plastic brake-fuel housing parts for a big Detroit automaker. Rolph, in turn, got the order for a prototype mould, and that was the breakthrough he needed. Orders for prototype moulds for everything from make-up mirrors to plastic pallets followed.

New adaptations

Meanwhile, the metal-spray side of the business was finding new adaptations, like radioactivity-resistant coating for computer housings. Names such as "Xerox" are now listed among Protoplast's customers.

The company is currently working on an order from Canadair and McDonnell Douglas to spray radio interference seals on nose-cone components for F-18 fighters.

There have been inquiries from companies in Sweden and the Caribbean — and one in Trenton that makes 30-metre-wide dish antennae to track satellites, a business that gets more sophisticated by the day.

(Article from Ontario Business News.)



When the Canadian Armed Forces' newest airplanes take to the skies, they'll be carrying a bit of Cobourg, Ontario with them. Protoplast owner John Rolph (left front) and his wife Joan, along with employees Neil Elder and Jim MacKenzie hold two parts of the CF-18 that they treated in Cobourg.

Financing agreement supports sale to Barbados

The Export Development Corporation (EDC) has signed a \$7-million (US) financing agreement to support a sale by Northern Telecom International Limited of Mississauga, Ontario, to the Barbados Telephone Company Limited (BTCL) of Bridgetown, Barbados.

The sale involves the supply of equipment for the fourth phase of an expansion and modernization program started by BTCL in 1978.

EDC has provided financing totalling \$17 million (US) to support earlier sales by Northern Telecom International Limited to BTCL, three of which involved the expansion and modernization program. The financing agreement is guaranteed by the Bank of Nova Scotia.

The equipment being supplied includes DMS-100 digital switching equipment, SL-1 PBX equipment, and equipment for transmission, including fibre-optic systems, specialty cable, and outside plant hardware.

Computer-controlled glasses help handicapped to communicate

A pair of eyeglasses that allows the severely disabled to type by simply moving their eyes was unveiled recently at an Ottawa conference on rehabilitation technology.

Although there are other devices like it, these Canadian-designed glasses are significant because their projected price is "substantially lower" than their counterparts.

The glasses were designed and developed by Jan Heynen, Dave Kahn and Helmut Lukas of Bell-Northern Research's scientific and technical staff.

They have been working in their spare time for four years, since they heard about a young Ottawa girl with severe cerebral palsy who now can only communicate through eye movements.

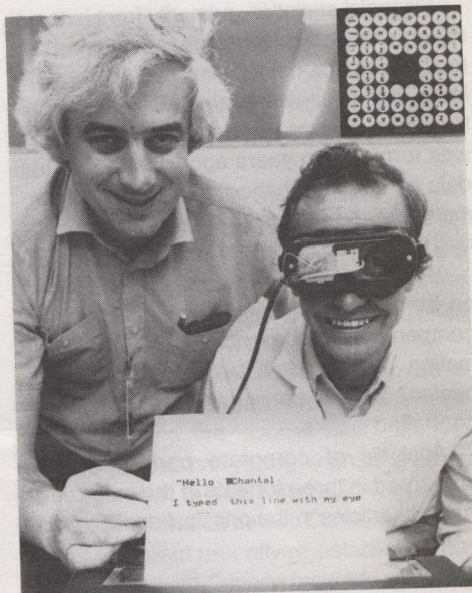
"She can hear and she's very bright but she can't talk," says Heynen. "We wanted to develop something that would allow her and people like her to communicate more easily."

Heynen says the team plans to present the device to the girl in September.

"We didn't want to raise her hopes too much when it wasn't perfected," he says. "We want to make sure it works before we give it to her."

The glasses consist of an eye position sensor and a display of 60 letters, numbers and control functions that can be seen in the right lens. The user looks at the letter or character wanted, the eye position is measured and a message is sent to the printer to print that letter.

To verify the choice, the computer turns on a red light behind the letter. If the user has chosen the wrong letter, he or she simply looks away within a quarter of a second and nothing is printed. Heynen says once the operator gets used to the system, it might be possible to type 20 words a minute



BNR engineers Jan Heynen (right) and Dave Kahn demonstrate their prototype eye glasses that will enable severely handicapped persons to type by simply moving their eyes. The matrix of characters that Mr. Heynen is looking at in the right lens to compose and type words is shown in the inset.

or more. The user can also turn the system on and off, backspace and forward space, roll printer paper and indent paragraphs.

Heynen says the device might be ready for use by disabled people this year. He and Kahn have begun preliminary discussions with a private manufacturer to produce the system.

There are similar devices already being marketed but Heynen says his is unique because of its simple components and the projected price of "less than \$2 000, substantially lower" than the prices of the other devices available.

Journalist wins UN environment award

Michael Keating, environmental reporter with the Toronto-based *Globe and Mail*, was cited recently at a United Nations ceremony for his "painstaking, precise, yet thoroughly clear presentation of environmental issues, without ever bowing to the temptation of proselytizing".

Mr. Keating, 41, was the only print journalist among five recipients of the 1984 UN Environment Program Award, which was weighted toward video achievements.

The others included astronomer Carl Sagan for his *Cosmos* television series,

naturalist David Attenborough for his television series *Life on Earth*, and New York public television station WNET for its attention to environmental programming.

The fifth recipient was Paul Winter, whose music has traditionally celebrated nature.

The ceremony was held to mark World Environment Day.

Mr. Keating also won an award from the Canadian Meteorological and Oceanographic Society for his coverage of environmental issues.

Oil find for Petrocan

Petro-Canada has made a significant oil discovery off the coast of Newfoundland, and some analysts are predicting the find could be as big as the Hibernia field, which contains more than one billion barrels of crude. The offshore well, Terra Nova K-08, is 340 kilometres east of St. John's, Newfoundland, and 35 kilometres southeast of the Hibernia field.

Petrocan, which is acting as the operator of the exploration program, holds a 75 per cent stake in the venture. Other partners include Inter-City Gas Corp. of Winnipeg, Canterra Energy Ltd. of Calgary, Parex, a general partnership, and Trillium Exploration Corp., which is partly owned by the Ontario government.

In a recent statement, Petrocan said oil flowed at a daily rate of 5 200 barrels during a recent test of the well. At the same time, natural gas flowed at a rate of 113 litres a day through a two-centimetre choke.

Winnipeg becomes centre for bus technology

A total of \$50 million will be invested over the next five years to establish Winnipeg as a national centre for the development and manufacture of advanced technology urban buses. The governments of Canada and Manitoba have each committed \$25 million to the initiative through an agreement signed recently.

Participating in the formal signing of the Canada-Manitoba Subsidiary Agreement on Urban Bus Industrial Development were federal Industry Minister Ed Lumley, federal Transport Minister Lloyd Axworthy, provincial Industry, Trade and Technology Minister Eugene Kostyra, and provincial Highways and Transportation Minister John Plohman.

"Both governments have consistently agreed that the transportation sector is a priority for development in Manitoba," Mr. Axworthy said. "The objective of this agreement is to support research, prototype development and demonstration projects which will establish Winnipeg as the leading centre in Canada for the development of advanced bus technology."

Manitoba is well-positioned to lead this industrial development opportunity. With three major manufacturers and a number of smaller support companies, Manitoba accounts for approximately 40 per cent of the industry's national employment and 30 per cent of production at this time.

New business journal rates Canadian companies

Report on Business 1000, an annual magazine that assesses the performance of Canadian companies, made its debut recently. The 240-page magazine serves as an authoritative reference for managers and investors — and as an introduction to evaluating corporate performance for newcomers to business analysis.

Articles by business writers highlight sectoral trends and profile some of Canada's most successful companies — and the people who run them.

The comprehensive statistical report on corporate Canada is based on data from the more than 2 000 companies listed on Canadian stock exchanges, compiled in the *Report on Business 1000* data base by the ROB Business Information Service.

Financial statistics, primarily from income statements and balance sheets covering the past five years, have been fed into the data base by financial analysts in the ROB Business Information Service. The service was formed two years ago to establish the data base and enhance the quality of information in the daily report on business carried in *The Globe and Mail*.

While *Report on Business 1000* focuses on the performance of shareholder-owned companies, it also contains selected information on Canada's largest private companies, Crown corporations and foreign-controlled banks.

Analysis of corporate performance is presented in three formats in the magazine. In-depth articles in the principal section com-

pare recent track records of larger companies by sector, and outline industry prospects for the following year. Two detailed statistical sections review latest year and five-year results for shareholder-owned companies.

In its rankings, *Report on Business 1000* measures profitability in two main ways — pre-tax return on capital, which is an important yardstick for managers, and after-tax return on equity, which is most valuable to stock market investors. Five-year statistics also illustrate corporate growth in profit, revenue and assets, while latest-year tabulations indicate corporate size and liquidity.

Architectural award for Senegal hospital

The Montreal consulting firm of Blouin, Blouin et Associés and the Canadian International Development Agency (CIDA) have been jointly awarded a prize for architectural excellence by the Order of Quebec Architects for the Albert Royer hospital in Dakar, Senegal.

The project, designed by the Montreal firm, was financed by a \$5.8-million contribution from CIDA.

The hospital, which provides both preventive care and treatment for Senegalese children, is also a teaching hospital for doctors and pediatricians.

The hospital complex is well suited to the Senegalese climate and culture. With its many inner courtyards, it is designed to facilitate ventilation and natural lighting. It has a "mothers' village" — four buildings to accommodate 64 mothers staying with their children while they are in hospital. This consideration for Senegalese conditions was a factor in the awarding of the prize to the hospital.

The hospital was named in honour of Dr. Albert Royer, a pediatrician at Ste-Justine hospital in Montreal, for his dedicated work in behalf of African children.



The Albert Royer hospital in Dakar, Senegal, is the winner of a prize for architectural excellence awarded by the Order of Quebec Architects.

Kiwis for Canada?

Kiwi — the exotic green fruit from New Zealand — could be grown in Canada in the 1990s, if the results or preliminary tests are borne out.

Dr. Neil Miles of the Ontario Ministry of Agriculture and Food has been successfully experimenting with kiwis in greenhouses in the Niagara Peninsula. He first planted the fruit in 1981 inside a plastic greenhouse being used to grow peaches.

The kiwis have grown faster and yielded more fruit than they do in New Zealand. The Ontario vines averaged ten kilograms of fruit in 1983 and are expected to yield between 30 and 40 kilograms each this year. The growing costs have not been determined, but appear to be cheaper than for greenhouse tomatoes.

Despite the initial success of the experiment, Dr. Miles will not know whether kiwis are an economic proposition in Ontario until about 1990. They fetch a high price, but could be expensive to grow under Ontario conditions. The producer must pollinate each blossom by hand, a time-consuming, laborious operation. The vines are heavy and require horizontal trellises, similar to those used for hops.

The vines yield large quantities of fruit, but bear nothing for four or five years after planting, even in New Zealand. They do not mature until they are eight or ten years old.

Another problem is the extremely long growing season. The fruit is not ready until late November, even in a greenhouse in Ontario's warmest growing zone.

Although New Zealand is associated with kiwis around the world, the fruit originated in southern China. It was bred to grow under New Zealand conditions and proved so successful that growers in California, South Africa and Europe have started their own plantations.

Short story writer wins Canada-Australia literary prize

Mavis Gallant, Canadian novelist and short story writer, has won the Canada-Australia literary prize for 1983.



Award winner Mavis Gallant.

The prize consists of a monetary award of \$3 000 and a trip to Australia. Miss Gallant was one of six Canadian writers whose works were selected by a jury appointed by the Canada Council. A jury appointed by the Australia Council then chose the winner from among these.

The prize designed to make Australians and Canadians more familiar with each other's writers, is awarded annually in alternate years to an English-language Canadian writer or an Australian for the author's complete works. Writers of fiction, poets, and playwrights are all eligible. Next year an Australian writer will receive the cash award and a journey to Canada.

The award is administered in Canada by the Canada Council and in Australia by the Australia Council. Canadian funding is made through the Department of External Affairs as part of its program for the promotion of Canadian literature in foreign countries. Australian funding is channelled through the Australia Council.

Canadian winners of the award have been Alice Munro (1977), Michael Ondaatje (1979) and Leon Rooke (1981); Australian winners have included John Romeril (1976), Thomas Shapcott (1978), Roger McDonald (1980), and Barry Oakley (1982).

Mavis Gallant was born in Montreal and

has lived in Paris for over 30 years, a city she has used as the setting for her first collection, *The Other Paris* (1956). Most of her short stories appeared initially in *The New Yorker*, with which she still maintains a strong tie.

Other collections of her short stories and novellas include *My Heart Is Broken* (1964), *The Pegnitz Junction* (1973), *The End of the World and Other Stories* (1973), *From the Fifteenth District* (1979), and *Home Truths: Selected Canadian Stories* (1981).

In 1981, she received the Governor General's Award for fiction for the last work, which includes the "Linnet Muir" stories, about a perceptive young woman growing up in Montreal. In 1981 she also was made an officer of the Order of Canada.

Mavis Gallant recently re-established her connections with Canada by working on the Toronto production of her first play, *What Is To Be Done?*, which was presented by Tarragon Theatre in the fall of 1982. She also served as writer-in-residence at the University of Toronto in 1983-84. Her current work is an account of the Dreyfus case, which so disturbed France at the turn of the century.

Governor General's awards

The Canada Council recently announced the winners of the Governor General's Literary Awards for 1983.

The categories — four each in French and in English — include fiction, non-fiction, poetry and drama. They were judged by eight independent juries which reviewed all books published during the 1983 calendar year.

Following are the winners of this year's awards in the English-language category:
Fiction: Leon Rooke, for *Shakespeare's Dog*.
Poetry: David Donnell, for *Settlements*.
Drama: Anne Chislett, for *Quiet in the Land*.
Non-Fiction: Jeffery Williams, for *Byng of Vimy: General and Governor General*.

Winners in the French-language category are as follows:

Fiction: Suzanne Jacob, for *Laura Laur*.
Poetry: Suzanne Paradis, for *Un goût de sel*.
Drama: René Gingras, for *Syncope*.
Non-Fiction: Maurice Cusson, for *Le contrôle social du crime*.

The awards, which include a cash prize, a leather-bound copy of the winner's book and a citation, will be presented by Governor General Jeanne Sauvé at a ceremony to be held in the fall.

Stratford's thirty-second season opens with a bang



The Stratford Festival opened its thirty-second season June 10 with a production of Shakespeare's *A Midsummer Night's Dream*, directed by Festival director, John Hirsch, and welcomed back to the Stratford stage Brian Bedford who plays the role of Bottom. The play also stars Edward Atienza as Robin Starveling, Benedict Campbell as Demetrius and Rosemary Dunsmore as Helena. Other 1984 season openers include *Romeo and Juliet*, Love's Labour's Lost, as well as two Gilbert and Sullivan favourites, *Iolanthe* and *The Gondoliers*. This season's Festival runs until October 27, 1984.

Special delivery service



This copy of an Upper Canada stage-coach left Ottawa recently for Toronto, recreating the Ottawa-Toronto mail run from the time of the mid-1800s. The coach carried letters of congratulations from former Prime Minister Trudeau and members of Parliament to Ontario premier William Davis and the people of Ontario. The journey is part of Ontario's two-hundredth birthday celebrations.

News briefs

Leading Canadian manufacturers and suppliers of offshore products, equipment and services will participate in the Offshore Northern Seas (ONS 84) Conference and Exhibition at Stavanger, Norway, from August 21-24. ONS is one of the world's major international offshore shows, alternating each year between Aberdeen, Scotland, and Stavanger. At last year's show in Scotland, 14 Canadian firms participated netting on-site sales of more than \$243 000, with follow-up sales exceeding \$5.5 million.

Canada will contribute an additional \$110 000 to help combat acts of piracy committed against Vietnamese refugees in the Gulf of Thailand. The funds will support an anti-piracy program sponsored by the United Nations High Commissioner for Refugees in co-operation with the International Committee of the Red Cross. The program provides financial assistance to Thailand's government and armed forces to conduct such activities as air and sea patrols.

"**The Information Centre** and Changing Technologies" is the theme of the fourth APL Users Meeting, to be held Octo-

ber 15-17, 1984 at the Westin Hotel, Toronto. I.P. Sharp Associates, the Toronto-based international software company, is expecting over 800 attendees from around the world. Keynote speakers will include author and lecturer James Martin who will share his views on changing technologies and methodologies and their relevance to the creation of a global information centre.

Commissioner General for the 1986 World Exposition, Patrick Reid, has been named "Marketer of the Year" by the Sales and Marketing Executives of Vancouver. In presenting the award, chairman Raymond Dagg commended Mr. Reid's efforts in promoting Expo 86 to the nations of the world: "Two years prior to Expo's opening day, 30 nations have agreed to participate in Vancouver's World Exposition. This is a remarkable achievement for Commissioner General Reid."

Expo 86 is offering a \$250 000 prize for innovation in the design of a personal land transportation vehicle capable of carrying an operator and at least one passenger. Organized by the Engineering Students' Union of the University of British Columbia, the competition is open to other engineering students from nations participating in Expo. Many new inventions have made their

debut at World Expositions since the first Great Exhibition of 1851, including the Ferris wheel, elevators, and moving sidewalks.

Ten Ontario computer hardware and software companies visited New Zealand and Australia on a trade mission June 21 to July 6. The group was led by James Taylor, parliamentary assistant to Ontario Industry and Trade Minister Frank Miller. Participants visited Auckland and Wellington, New Zealand, before travelling on to visit four of Australia's industrial centres — Sydney, Melbourne, Adelaide and Perth.

Ontario Industry and Trade Minister Frank Miller led six Ontario companies on a 14-day business mission to the People's Republic of China starting June 20. The delegation explored trade, industrial joint ventures and technology-transfer opportunities in China, which is now Canada's fifth-biggest overseas market. Mr. Miller said the mission begins a concerted, planned effort by his ministry to develop a long-term business relationship with China. It will be followed by other trade promotion activities later this year.

A talking, automated banking machine has been put into service by National Cash Register (NCR) Ltd. of Mississauga, Ontario. The NCR 5080 uses a human voice to lead customers through their banking transactions with instructions in both English and French. The machine has also been designed with a television-style screen to provide a graphic display of messages.

Ottawa's Norah Good has set a world record for the 3 000-metre run at the International Games for the Disabled held recently in Long Island, New York. Good captured the gold medal with a time of 11:35:93. She also won a silver medal in the 1 500-metre class B3 event. Her class is for people with between 3 and 10 per cent of normal vision. The Games are considered the Olympics for blind and amputee athletes. Kim Umbach of Cumberland, Ontario, won a bronze medal, finishing 35 seconds behind Good in the three-metre event.

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