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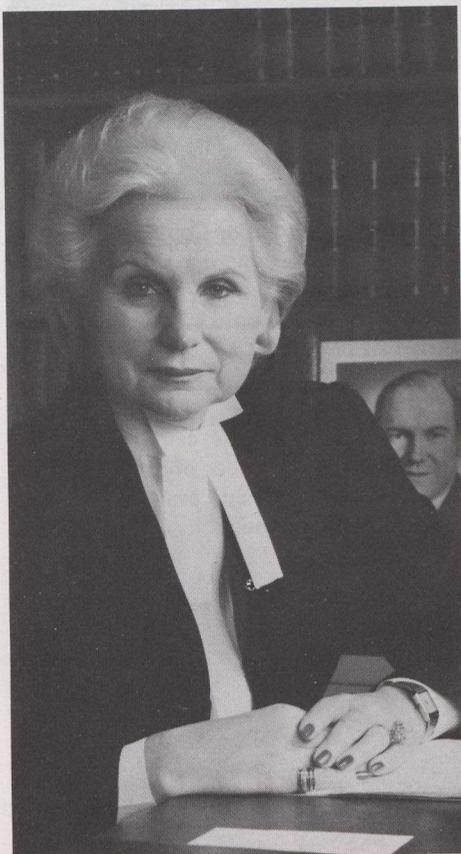
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Jeanne Sauvé named Canada's twenty-third governor general



Jeanne Sauvé, Speaker of the House of Commons for the past three-and-a-half years, has been named Canada's twenty-third governor general. She is the first woman to fill the post.

Mrs. Sauvé, 61, a former Liberal Cabinet minister, will succeed Governor General Edward Schreyer as the Queen's constitutional representative in Canada. She is the second western native in a row to be appointed governor general, succeeding the former Manitoba premier.

Born in Prud'homme, Saskatchewan in 1922, Jeanne Sauvé has made her mark largely in Quebec journalism and politics. She was first elected to the House of Commons in 1972 and re-elected in 1974, 1979 and 1980 as the representative of the Quebec riding of Laval-Des-Rapides.

Jeanne Sauvé has served in three

Cabinet posts — Minister of State for Science and Technology (1972-1974), Minister of the Environment (1974-1975) and Minister of Communications (1975-1979). She was also advisor to the Secretary of State for External Affairs for relations with the French-speaking world in 1978. In April 1980, she was elected Speaker of the House of Commons.

After more than three years of presiding over the highly charged and partisan daily proceedings in the Commons, her new job will seem like a rest, she said in a recent interview. "I've reached a stage where a sense of serenity is welcome."

Before entering the political arena, Mrs. Sauvé worked as a journalist and broadcaster for 18 years. She was also an active participant in arts support groups and communications organizations.

In 1947 she was a founder of the Quebec Federation of Youth Movement, and in 1951 was appointed assistant to the director of the Youth Section of UNESCO in Paris, France.

A vice-president with the Canadian Institute of Public Affairs from 1962 to 1964, she served as president of that organization in 1964. She was a member of the board of directors of the Union des Artistes from 1961-1972 and served three consecutive terms as vice-president, acting as their delegate at the Film and Television Writers Congress in Moscow in 1968.

She was a member of the 1967 Centennial Commission and, since 1966, has served as secretary general of the Fédération des Auteurs et des Artistes du Canada.

Mrs. Sauvé was educated at the Notre-Dame-du-Rosaire Convent in Ottawa and received her post-secondary education at the University of Ottawa and Paris University. She is married to Maurice Sauvé, a former Liberal Cabinet minister and they have one son, Jean-François. He is a business school graduate living in Toronto.

On the occasion of her appointment,



External Affairs
Canada

Affaires extérieures
Canada

government leaders were quick to offer their congratulations to Mrs. Sauvé.

Conservative Leader Brian Mulroney said that Mrs. Sauvé is a woman of "great talent, accomplishment and warmth. I am pleased that she will continue to serve Canada and Canadians in such high office".

New Democratic Party Leader Edward Broadbent said that all of those who have been active in the struggle for women's rights will be pleased. The sentiment was echoed by women's groups across the country.

The appointment is for five years. Mrs. Sauvé said she hopes to find some special activity during her time at Rideau Hall, the official residence.



Jeanne Sauvé enters the House of Commons.

Canapress

Fibre optics make speedy link in information network

A high-speed communications network that uses fibre optics to link computers and terminals has been developed by the University of Toronto and Canada Wire and Cable Ltd. of Toronto, according to the *Globe and Mail*.

The market for network systems in the next decade is expected to be worth about \$15 billion (US), according to one of the developers of the network system, called Hubnet. A medium-sized system would cost more than \$15 000 when full-scale marketing commences in 1985.

Canstar Communications, a division of Canada Wire, is about to begin looking for orders, said Geoffrey Adamson, executive director of the Innovations Foundation, an organization set up to act as a bridge between the university and industry.

Hubnet is the brainchild of professors Stewart Lee and Peter Boulton of the University of Toronto's Computer Systems Research Group.

Developed own system

The system was conceived four years ago when the university began looking for a network system that would connect the growing number of terminals and computers on campus. The professors decided to develop their own system after finding that the networks available were not adaptable to their needs and were not Canadian, Professor Lee said.

Hubnet links many computers and

terminals into one large network. Operators at terminals can tap into the data banks of a number of different computers, which are made available through central hubs connected to the various terminals.

Canstar is developing a smaller version, scheduled to be installed in the Department of National Defence in Ottawa, said Harvey Ikeman, project engineer with Canstar. This will be the first test of the network outside the university. A full-scale test of the system, involving 300 terminals, is also planned at the university soon after.

The original idea was to use light guide cable, commonly called fibre optics, as the main connection for the system. However, existing computer network configurations would not permit the use of the light guide cable.

Professor Lee's idea was to link all of the computers and terminals to a central hub using fibre optic cable, which is smaller, lighter and more easily installed than the coaxial cable used in traditional network systems.

Fibre optics can handle 50 million bits of information a minute; copper coaxial cable is limited to 10 million bits a minute.

Information would be sent along the cables into the hub, which would process the requests on a first come, first served basis. The network would be expanded by adding sub-hubs that would control the communications flow into the central hub.

Research on robots

The fledgling Canadian Institute for Advanced Research has begun a multi-million dollar project on artificial intelligence and robotics. Funded by Spar Aerospace Ltd., the program will promote research at three Canadian universities on "smart" robots and their implications for society.

The institute, now two years old, is a private, non-profit group formed to promote excellence and achievement in Canadian research.

Officials are also anxious to establish cross-disciplinary research programs, develop young, promising researchers, and work on problems of international significance.

For this project, as many as 15 "fellows" may be appointed to the institute, including researchers at Canadian universities, Canadian researchers working in the US and researchers from Spar.

Artificial intelligence was selected for study because it involves life sciences, computer and engineering sciences and the humanities.

Fellows will get together regularly, in person and by telephone and electronic communication.

Institute president Dr. Fraser Mustard said that the group had received \$1.1 million in funding to date, and expects to raise \$1.6 million next year.

Japan trade ties boosted

Cominco Ltd., best known for big mining operations, has moved to increase its trading ties with Japan, this time in high-technology.

Cominco has concluded an agreement with two Japanese companies that will boost sales of its high-technology electronic materials in the Asia-Pacific region. The Vancouver-based company has appointed Mitsui and Co. and Denki Kagaku Kogyo KK, both of Tokyo, as joint agents for the marketing of most of its electronic materials product line.

Mitsui and Denki Kagaku, who belong to the same group of companies, or keiretsu, in Japan, will market the electronic materials in Japan and Southeast Asia.

Cominco's link with Mitsui could develop later into a joint venture production company in Japan with Cominco supplying the high purity materials, made from rare metals extracted along with the

lead, zinc and copper that are the company's main products.

Although Cominco Electronic has been exporting to Asia for years, the agreement with Mitsui and Denki should boost sales substantially, said Dave Guettinger, manager of marketing at Cominco Electronic.

"World-wide sales totalled about \$50 million last year," said Guettinger. "But 80 per cent of that was in North America."

In recent years Mitsui has been quietly solidifying its relationship with Cominco. Apart from this latest agreement, the two companies have been discussing a joint venture ferrosilicon plant in British Columbia.

Ferrosilicon is used as a hardening agent in steel. Its production requires large amounts of energy.

Radar aids ice patrols

Ships travelling in Canadian waters will have a better chance of avoiding icebergs and ice blockages, thanks to a radar system developed by Ottawa's Canadian Astronautics Ltd.

The nine-year-old company is finalizing its second contract for the new ice reconnaissance radar system, a \$1.6-million contract with de Havilland Aircraft Ltd. of Downsview, Ontario.

Last month, the company signed a \$2.3-million contract with Environment Canada to replace the outdated system on the federal department's *Electra* ice reconnaissance plane with the new system, which is called a side-looking airborne radar.

The latest contract calls for Canadian Astronautics to develop and install the system in a new de Havilland *DASH 7* plane, which will be fully-equipped and ready for Environment Canada's use in about 18 months.

The two radar-equipped planes will be used by the department's Atmospheric Environment Service to provide information on ice patterns and blockages to such users as Canadian Coast Guard ice-breakers, drilling rigs and other ships in ice-infested waters.

Operators of the radar system can see 100 kilometres on each side of the plane, a much wider range than older visual and technical systems permit.

The radar can also "see" through clouds and operate in all weather conditions, day or night, which is particularly important for operating during the Arctic winter.

Funds for northern exploration

Oil and gas exploration agreements committing \$163.4 million to exploration in the Beaufort Sea and Mackenzie valley over five years were announced recently by Northern Development Minister John Munro.

The nine agreements, negotiated through the Canada Oil and Gas Lands Administration, bring the value of hydrocarbon exploration in the north over the next five years to \$3.7 billion.

The agreements are based on rights held in the Beaufort Sea and Mackenzie valley areas before the administration was created last year. Administration representative Don Sherwin said the announcement brings to 41 the number of agreements completed for the areas, leaving ten outstanding. He said that the agreements, taken together, mean 16 new wells are to be drilled within five years at a cost of \$60 million. "This is just the beginning

of an upswing in exploration in the Mackenzie valley in anticipation of the Norman Wells pipeline in 1985."

Mr. Munro said his department was spending \$250 000 to increase monitoring of oil companies.

Placid Northern Oils Ltd. and Dome Petroleum Ltd. are to drill one well within five years in the Beaufort, part of an investment of \$108 million in exploration — 80 per cent to be spent in Canada under terms of federal grants.

Suncor Inc. is to drill one well and spend \$22.6 million and Petro-Canada Exploration Inc. is to spend \$11 million and drill one well.

Two agreements with Dome Petroleum Ltd. call for three wells over four years and a \$9.2-million investment.

Amerada Minerals Corp. is to drill one well over four years and spend \$6.6 million. Pan Mackenzie is to drill one well in the Yukon over five years and spend \$16 million.

Expo 86 plans unveiled for foreign dignitaries



Expo 86 (the World Exposition on Transportation and related Communications), recently held a presentation in Ottawa for parliamentarians and heads of diplomatic missions accredited to Canada. Hosted by Senator Jack Austin, Minister of State for Social Development and minister responsible for Expo 86, the session outlined plans for the exposition and its associated activities such as the World Festival of the Arts. Expo 86 will be held in Vancouver, British Columbia from May to October 1986. Senator Austin (centre) points out features of the Expo site on a model to the Ambassadors of (left to right) Peru, Spain, Thailand, Senegal and the High Commissioner for Kenya. All these countries will participate in the exposition. Extreme left is Deputy Commissioner Richard Noyes Roberts, then the French Counsellor in conversation with Commissioner General Patrick Reid.

Model of Canada's arm in space on display



NASA astronaut John Fabian cuts ribbon to launch exhibit featuring copy of Canadarm.

A full-scale model of Canadarm, Canada's contribution to the space shuttle program, was unveiled recently at the National Museum of Science and Technology.

The exhibit, called *Canadarm - A Space Adventure*, was opened by NASA astronaut Colonel John Fabian, who was aboard the seventh space shuttle mission last June and actually operated the arm.

It is a co-operative venture of the National Research Council (NRC) and the museum highlighting space shuttle missions in the past two or three years.

The model of the arm is the only full-

scale one in the world and looks just like the real thing, except that it lacks the wiring or computer controls which make the real one work.

The other major difference is the price-tag. The Canadarm cost \$100 million; the model, a mere \$20 000. Built by Canadian sculptor William Lishman, it is built of cardboard, metal, wood and fabric.

The real Canadarm was designed by scientists from the NRC and Spar Aerospace Ltd., and built in Toronto. It lifts satellites and other cargo in and out of the space shuttles.

National Research Council

Cause of MS inching closer

A native of the Ottawa area is making international medical news for his work in isolating a gene that may play a role in such neurological diseases as multiple sclerosis.

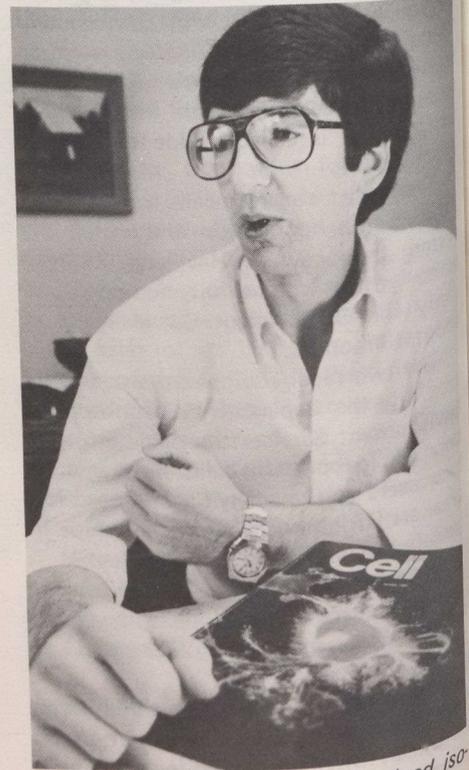
Arthur Roach, who grew up in Greely, near Ottawa, and is still supported by Canadian research funds, is one of a team of California researchers that has just isolated and cloned a gene responsible for the fatty sheath of insulation around nerve fibres, called myelin.

It is the first time the gene has been isolated from the hundreds of thousands in each cell.

Some scientists have speculated that defects in this gene may cause neurological diseases such as multiple sclerosis in which the sheath around nerve fibres is damaged, leading to short-circuiting of nerve impulses. This theory can now be tested for the first time and results are expected within months.

Arthur Roach, a 26-year-old Ph.D. student at California Institute of Technology, says while it is a long-shot, it is possible this work could result in the development of a test to determine if embryos or even adults have multiple sclerosis, long before signs of the degenerative disease show up.

In work just published in the journal



Ph.D. student Arthur Roach helped isolate gene that may help fight MS.

Canada-Japan co-operation on new TV dish package

Satellite television signals received by home dishes are among the weakest communications signals, but the satellite TV business is coming on strong, says Roderick Wheeler, president of Norsat International Inc. of Vancouver, British Columbia.

Norsat, a designer and builder of home receivers, is preparing a new product for the mass market it sees developing. The product will be ready in the second quarter of 1984.

The package, made up of an antenna, a low-noise amplifier and an advanced receiver, will probably retail for \$995 (US), Mr. Wheeler said. It would be one of the first packages engineered specifically for the home market and it would be priced lower than Norsat's Series 3000 units.

To make the product, Norsat has a

link with Japan Radio Co. Ltd. of Japan, one of eight companies in the world with the know-how to build a low-noise amplifier - the most critical component for picture quality.

The package will use Japan Radio's LNA modified by a few suggestions from Norsat. In addition, JRC has started manufacturing a prototype receiver that will incorporate Norsat's Series 3000 technology and add features such as stereo sound, infrared remote control and satellite search.

In contrast to the products of the mostly small North American manufacturers, the receiver will come with a slick Japanese consumer electronics product look. And Japan Radio Co. Ltd. would make it for hundreds of dollars less than it costs Norsat International Inc. to build its Series 3000 units.

Cell, Mr. Roach's team from California Institute of Technology and two others from the University of California have already detected defects in this gene in a strain of mice.

"It's very exciting," said Mr. Roach, "it's the first time a neurological defect in a mammal has been traced back to a problem in the DNA (the molecule containing hundreds of thousands of genes which program each cell in the body)."

Though many diseases are suspected to be caused by genetic defects, the work done by Mr. Roach's team marks the first time defects in a gene causing a neurological disorder in a mammal have been detected by isolating the gene and studying it with X-ray film.

New foods to tickle the taste buds

Dinner party for eight? Why not boil a few bags of Swedish meatballs, open a can of soybeans in Hawaiian sauce and serve with an oats casserole and add some aseptic wine and lingonberry jubilee for dessert.

It's quick, easy and most of the menu is pre-packaged with a shelf life up to two years. These and many other new foods and dishes were introduced recently at Agriculture Canada's "Foods of Future" reception.

The aim of the reception was to convince consumers and manufacturers to try new foods and packages that researchers hope to market here and abroad.

"Canadian technology can make these foods more valuable by processing and that will increase our domestic and export markets," said Agriculture Canada home economist Michelle Marcotte.

Guests moved around the long buffet tables to sample the kirsch and almond processed cheese, mini-chicken wieners, apple chips, popped oats and carob-covered soybeans.

The beverages included frozen raspberry juice from British Columbia, cream, milk, wine, yogurt and fruit drinks packed in long-life brick-like containers.

Entrées such as chili, beef stew and cabbage rolls were packed in retort pouches, the new boil-in-the-foil bags the Canadian team dined on when they conquered Mount Everest in 1982.

Most of the new foods are already on the grocery shelves but some are still in the development stage at Agriculture Canada's research stations.

Hull-less oats, called cavena, were developed by Dr. Vern Burrows, who hopes

to make oats a cheap side dish that will replace the \$50-million worth of rice imported into Canada.

Agriculture Canada is also applying for a patent on a new method of making ricotta cheese from whey and milk. This would get rid of the country's whey surplus, solving disposal problems.

The desserts — Saskatoon berry pie and ligonberry jubilee — were the biggest hits, but scientists are still trying to cultivate the wild berries for commercial production.

Weekly bulletins report on levels of acid rain

Environment Minister Charles Caccia has announced that Environment Canada will distribute reports on the acidity of rain and snow to the wire services at approximately 2 p.m. every Tuesday.

The acid rain bulletins will summarize the acidity of the precipitation that fell at five locations in eastern Canada during the preceding seven days and describe the movements of the weather systems that produced the rain or snow.

Four of these sites are part of Environment Canada's air and precipitation monitoring network located at Longwoods and Chalk River in Ontario, Forêt Montmorency, near Quebec City and Kejimikujik National Park in Nova Scotia.

Environment Canada's acid rain reports will also include data collected and provided by the Ontario Ministry of the Environment from their Acid Rain

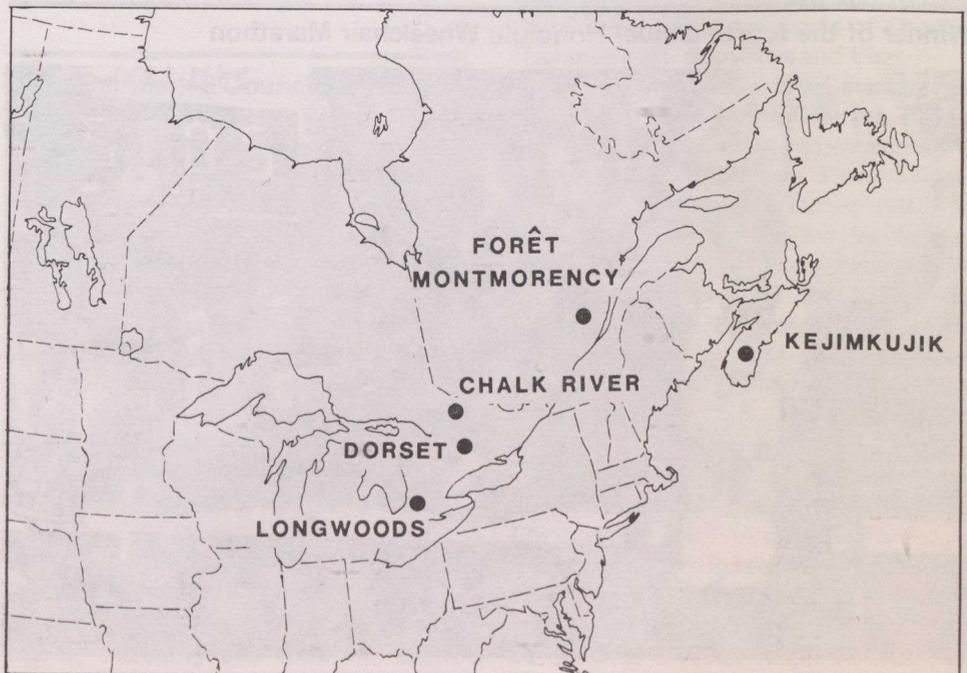
Saskatoon berries grow in woods, bogs and near streams in every province but are most plentiful on the prairies. They are plump, juicy berries that look and taste like blueberries. Ligonberries are low-bush cranberries found in the Maritimes. They are too tart and acidic to be eaten raw but are ideal for jellies, sauces, pies and tarts.

The slick new compact packages can last for months in the cupboard and replace the cans, glass jars and cartons that clutter up refrigerators.

Research Centre at Dorset, Ontario in the Muskoka region.

Mr. Caccia said that Environment Canada was providing this information to increase public awareness and understanding of the pervasiveness of the growing acid rain problem, which he described as the most important environmental issue facing North America today. A similar program of pH reporting in the state of Maine has proved effective in drawing attention to the issue in the eastern United States.

"These weekly reports," Mr. Caccia said, "will demonstrate that rain or snow generated by weather systems that have passed over the areas of eastern North America where there are high emissions of sulphur dioxide are consistently more acidic than precipitation from systems passing over other areas."



Map shows collection sites for Environment Canada's acid rain report.

Shopping mall amusement park

Alberta's West Edmonton mall, a shopping centre that combines P.T. Barnum with a touch of Walt Disney, is to grow again.

The owners of the monstrous, 320 000-square-metre mall, which already contains a full-sized skating rink, 11 movie theatres, an indoor amusement park, a series of towering fountains and an aviary, are planning a 100 000-square-metre expansion. The plans include hundreds of new stores, aquariums and a water wonderland, including a lake the length of five football fields under a dome.

The amusement park, which already contains a merry-go-round, a swooping pirate ship and bumper cars, is to double in size by 1985 and include a "world-class roller coaster". Rubin Stahl, president of the mall, says firm plans call for a 51-store boutique area to open this March and 250 more stores, construction of which is to begin later this year.

The water wonderland will include an artificial wave machine for surfing, a winch arrangement to haul water skiers across the lake at 40 kilometres an hour and a water slide section.

The mall, already a popular tourist attraction, bills itself as having the country's largest toy store, the largest indoor Macdonald's Restaurant and the largest indoor amusement park.

Spectrometer for world-wide use

A \$150 000-infrared spectrometer developed at the University of Lethbridge in Alberta may one day be used by astrophysicists throughout the world, Professor David Naylor of the university's department of physics believes.

The device, a one-metre cube of instruments that attaches to a telescope, is under construction at the university. When completed next summer, it will be one of only a handful of broad-band infrared spectrometers in the world, and the only high-resolution device capable of operating in the mid-infrared region of the spectrum.

Spectrometers are used in astronomy to measure radiation emitted by celestial objects. Scientists hope that a better understanding of the molecular state of astronomical bodies will help them learn how stars are formed.

Mr. Naylor, who developed the Lethbridge spectrometer with Pierre Gauthier, a fourth-year physics student, expects to test the device at the Dominion Astrophysical Observatory in Victoria, British Columbia later this year.

It will eventually be used on the 3.6-metre Canada-France-Hawaii telescope and at the US National Aeronautics and Space Administration's infrared telescope centre, both located on the 4 000-metre summit of Mauna Kea, Hawaii's highest peak.

Soil-less salad

A Métis and non-status Indian association will soon be supplying much of central Ontario with fresh lettuce and tomatoes under an ambitious new hydroponic gardening scheme, according to the *Globe and Mail*.

One greenhouse already has been built about 35 kilometres north of Orillia, Ontario and the lettuce — grown in a greenhouse without soil — is now selling in Midland area stores. Robert Flower, manager of the project, says once production reaches capacity the group will have enough lettuce to supply consumers in the nearby Ontario cities of Orillia and Collingwood.

The lettuce is sold in stores with the roots attached and a small amount of nutrients in a plastic bag. The lettuce continues to grow on store shelves and in refrigerators.

Prices competitive

Stores in Midland cannot stock enough of it to keep up with demand. The lettuce retails for 99 cents a head, competitive with imported lettuce prices.

Tomatoes may be grown in two smaller greenhouses that will be built within the next two years.

Seedlings are started at one end of a conveyor system and the full-grown plants are collected at the other end. Nutrients dissolved in water run through pipes underneath the plants.

During December, the growing time is ten weeks, but in the longer summer days the lettuce matures in five weeks.

"This will never replace conventional growing," Mr. Flower said. "Some things just do not lend themselves to hydroponics. Lettuce and tomatoes like the cooler temperature here and they thrive."

No pesticides are used in the greenhouse. Mr. Flower said hydroponic gardeners must watch for fungus and mold and get rid of infected plants before the entire operation is stricken.

"The winters here are an advantage from that point of view, as there are fewer spores in the air," he said.

Mr. Flower said the project should be profitable, with 100 000 head of lettuce expected from the greenhouse that just started production.

The growing system used by the association is one of the projects chosen to represent Canadian achievement at the International Exposition of Rural Development in New Delhi, India in 1984.

Winner of the fourth annual Honolulu Wheelchair Marathon



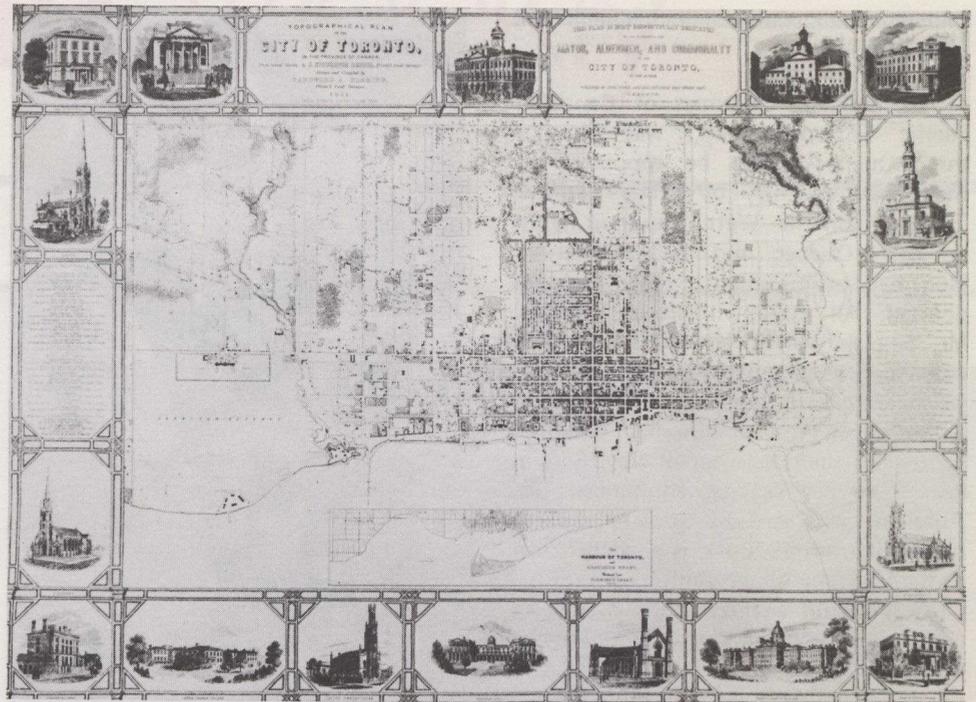
Rick Hansen of Vancouver, British Columbia breaks his own record by winning the fourth annual Honolulu Wheelchair Marathon with a time of 2:3:21.

Early maps depict Toronto's growth

An exhibition of 60 important early Toronto maps depicting the city's growth will be on view at the Canadiana Building, Royal Ontario Museum until April 1, 1984. The exhibition, entitled *Mapping Toronto's First Century: 1787-1884*, is sponsored jointly by the Toronto Historical Board, the McLean Foundation and the Royal Ontario Museum as part of Toronto's Sesquicentennial celebration.

The exhibition includes both original manuscript and printed maps drawn from several archival, museum and library sources. Many of the maps have never been on public display.

The selection ranges from a simple outline of land purchased from the Indians in 1787 to maps showing details of every building from Goad's Atlas of 1884. Collectively the maps illustrate the establishment and expansion of Toronto from the original town surveys to the emerging metropolis of 100 years ago.



Topographical plan of the City of Toronto in the Province of Canada (1851). From an actual survey by J. Stoughton Dennis, Provincial Land Surveyor.

Film portrays Canadian flying ace

An 80-minute National Film Board (NFB) documentary on Canada's First World War flying ace, William Avery (Billy) Bishop, was presented recently on PBS Television.

Directed by Montreal NFB filmmaker Paul Cowan, *The Kid Who Couldn't Miss* goes beyond the conventional documentary in examining the life and career of the brash, ambitious kid from Owen Sound, Ontario who became the leading player in what Billy Bishop himself called "the greatest game in the world". Mr. Cowan conveys the excitement and glamour of the "dogfight" and, at the same time, looks at the harsh realities of life as a fighter pilot and at the subtle manipulation of men like Billy Bishop into heroes.

To the Germans, Mr. Bishop was known as "Hell's Handmaiden", while to the British he was the "rude, Canadian colonial". Through a combination of good luck and charm, he succeeded in escaping the mud of the trenches and in joining the select inner circle of Britain's Royal Flying Corps.

By the end of the war, he had chalked up 72 kills and was the Allies' highest-scoring fighter pilot.

Paul Cowan's search for material took him to Ottawa, England, France, Germany and Hollywood. His efforts

uncovered some spectacular aerial footage that has never been shown before. Edited by Mr. Cowan and associate editor Sidonie Kerr, the film took a year to research and assemble. In addition to the dog-fight footage there are scenes from the stage show *Billy Bishop Goes to War*, starring Eric Peterson, and interviews with some of the men who knew and flew with Billy Bishop.

Forrester named Council head

Maureen Forrester, one of Canada's most renowned opera contraltos, has been appointed chairman of the Canada Council. Maureen Forrester, whose appointment takes effect immediately, will replace Mavor Moore, who stepped down last September. The 53-year-old contralto was appointed a trustee of the National Arts Centre Corporation in 1973 and was appointed to the Order of Canada in 1967.

Maureen Forrester, whose singing career has included classical works and pop musicals, has received numerous awards, including one from the Banff School of Fine Arts and the Harriet Cohen International Music Award.



Canapress

Arts briefs

The late Glen Gould's practice piano, acquired for Government House in Ottawa, was used for the first time in concert at Rideau Hall on December 2, 1983. The occasion was a dinner given by Governor General and Mrs. Edward Schreyer for a cross-section of Canadians. Following the dinner, a piano recital was given by Vancouver pianist Jon Kimura Parker who performed works of Chopin, Rachmaninoff, Bach/Hess and Liszt.

Three of the four original members of the Canadian rock group, Bachman-Turner Overdrive have reunited and are currently in the studio working on a new album. Randy Bachman, Fred Turner and Tim Bachman have been joined by former Guess Who drummer Gary Peterson. A world tour is planned for 1984. The highly successful Bachman-Turner Overdrive sold more than 11 million records throughout the world between 1973 and 1978.

The movie based on Canada's young marathon hero, *The Terry Fox Story*, has won two US cable television awards in Los Angeles. The film, made by Toronto's Robert Cooper Productions, won the sixth annual Award for Cable Excellence (ACE) for best dramatic program over 60 minutes. Director Ralph Thomas also won the best directing award in the same category for the film.

News briefs

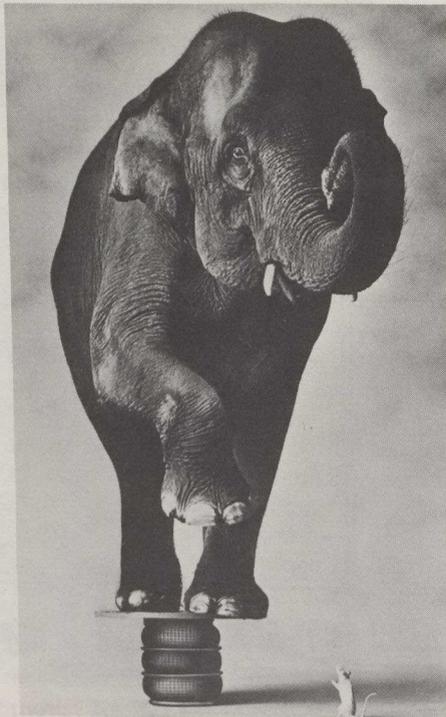
Ian Sinclair, chairman of Canadian Pacific Enterprise Ltd., was one of three Quebecers to be appointed to the Senate recently by Prime Minister Trudeau. Charlie Watt, an Inuit from northern Quebec and Leo Kolber, a Montreal businessman, were also appointed. All three will sit as Liberals. Mr. Sinclair will fill an Ontario vacancy and the other two will fill Quebec vacancies.

Businessman Alan Abraham will become lieutenant-governor of Nova Scotia, Prime Minister Trudeau announced. Mr. Abraham, who served as provincial party president from 1976-81, is also chairman of the board of Allied Van Lines.

A spectrum analyzer that is used in conjunction with an Apple computer for a wide-range of biomedical, audio and industrial analysis functions has been announced by Allan Crawford Associates Ltd. of Mississauga, Ontario. The IQS 401 provides all the hardware and software to acquire and analyze arbitrary analog signals or perform impulse testing of electronic, electroacoustic, electromechanical or mechanical systems. Applications include biomedical measurement and analysis, and production testing of high performance audio products.

The Export Development Corporation (EDC) has re-established its line of credit agreement with the United Republic of Cameroun. The agreement, originally valued at \$100 million (US), expired May 26, 1983 after two allocations totalling \$21.0 million (US) were made under it. The allocation period for the re-established agreement expires on May 26, 1984. The allocations under the original agreement supported the sales of two *Buffalo* aircraft by the de Havilland Aircraft of Canada Limited of Downsview, Ontario and goods and services for the reconditioning of a damaged locomotive by Bombardier Inc. of Montreal.

Canadian Commercial Corporation has awarded a contract valued at \$314 460 (US) to Bombardier Incorporated, Valcourt, Quebec for the supply of modified Skandic snowmobiles to be used by the US Army National Guard for patrolling in northern Alaska. The Skandic snowmobiles are capable of carrying an operator and a passenger while towing a sled. They are light duty, have a single-track drive and have been modified in accordance with special military specifications.



A white mouse puts Judy the elephant to the test in part of a promotion in Toronto for Goodyear's vehicular air spring. The tractor-trailer spring, which uses air to cushion loads instead of the usual flexing steel, easily withstood Judy's 3 600 kilograms.

Canada and West Germany have signed a ten-year agreement extending arrangements for combat-type exercises by West German Forces in Manitoba and in the skies over Labrador. Defence Minister Jean Jacques Blais and his West German counterpart Manfred Worner signed the agreement recently at NATO headquarters. The new agreement will be worth \$120 million to Canada, not including the money spent locally by West German soldiers and airmen.

Civil rights activist Daniel Hill has been named Ontario's ombudsman. Dr. Hill, a past director and chairman of the Ontario Human Rights Commission, is the first non-political appointee to the post since the ombudsman's office was created in 1975. He has an impressive record as a human rights activist and civil libertarian and has worked on several government task forces and as a consultant to assorted groups, including the Canadian Civil Liberties Union and the federal parliamentary committee on the participation of visible minorities in Canadian society.

A Montreal company has become the first outside dealer in the world to market computer systems using Sperry Univac Corp.'s MAPPER and Sperrylink software.

The Société de bureautique et d'information intégrés Inc. (SBIII) has a five-year exclusive contract in Quebec for the system. Sperry is seeking partners to offer the service in other regions of Canada. The newly-formed company will offer consulting services, computer hardware and software, servicing and space in its mainframe computer. SBIII is investing \$2.5 million to get started. The company already has a \$1.5-million contract with Canadian Pacific Consulting Services and is negotiating agreements with other potential clients.

The new CBC head office complex is to be built on what is now a huge open parking lot next to Roy Thomson Hall and the CN Tower in downtown Toronto. Cost is estimated at \$530 million. The CBC bought the land in 1978 for \$19.5 million, and proposes to lease it to a developer, who will undertake the entire project and lease back the broadcasting section to the CBC. The building will contain stores, private offices, apartments and will collect CBC radio and TV units now in 22 separate locations, costing about \$17 million a year. This will provide state-of-the-art facilities with relatively little public money, the CBC says. The city hopes to see the adjacent area developed as a communications industry park.

Nova Corp. of Calgary and Alberta Government Telephones have formed Novatel, a joint venture to develop a world-class cellular mobile telephone system. The project, which could cost them \$30 million by the end of the year, will be based on micro-electronics and computer switching, and will compete with Japanese, Swedish and US equipment. The system could provide Nova with a large percentage of its income by the end of the decade.

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