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Canadian lifestyle highlighted at month-long show in Birmingham

The Canadian way of life is being presented this May in Birmingham, England, in a program of 60 art, trade, business tourism and educational events. The month-long *Canada in Birmingham* program, is being sponsored by the Canadian federal and provincial governments.



As part of the program, a series of business related events were scheduled to promote trade and investment opportunities in Canada.

The Canada-United Kingdom Chamber of Commerce, in conjunction with the Canadian High Commission, held a Canadian business opportunities luncheon with Canada's High Commissioner Jean Casselman-Wadds as guest speaker. Representatives from the Chamber of Commerce and Canadian provincial governments were also available to discuss investment and trade with Canada. In addition, representatives of private companies and the Canadian food industry also participated in business events and a Canadian contact seminar was held.

Science demonstrations

The Ontario government sent its Ontario Science Circus to take part in the program. The Circus, which was booked for two weeks, comprised exhibits, workshops and scientific demonstrations from the Ontario Science Centre. It is designed to be an educational and fun experience for

children and adults alike.

The visit to Birmingham is the first to be made by the Science Circus outside North America. The Circus will also be presented at the Science Museum in London in June. Most of the exhibits demand some action by visitors: it may be a push button, muscle power or tests of perception and ability. Games or contests that pit visitor against machine are an entertaining part of the Science Circus.

Cultural activities

Canada in Birmingham includes more than 25 cultural activities covering art displays, concerts, a film festival, lectures and seminars.

Showings by Canadian artists and craftsmen form the largest ever simultaneous presentation of Canadian arts and crafts in a British city. The presentation includes: *The Neil Newton Retrospective Exhibition*; solo exhibitions at the Ikon Gallery by David Craven (paintings), Ian Carr-Harris (sculpture), Nancy Johnson (drawings), Ian Murray (sound installation) and Irene Whittome (installation); *Newfoundland Mat Making*; *Saskatchewan Printmakers*; *British Columbia presents...*; *Exhibition from Alberta*; *Artists Stamps and Stamp Images*; *Courthouses in Ontario*; *the Arctic Islands Centennial Exhibition*; *Dialogue* and *Winter Kaleidoscope*.

Canadian musicians are providing 16 concerts during Canada month in Birmingham. Concerts are being presented by: folksinger Gordon Lightfoot, soprano Marcia Swantson, bass-baritone Donald Bell, the Robert-Marcotte-Gray Trio; organist Raymond Daveluy, the Canadian Brass; and jazz group Fraser and Friends.

Study centre named

As part of the educational events, Mrs. Casselman-Wadds designated Birmingham University as a Regional Canadian Study Centre. It is the third British university to be recognized, the others being Edinburgh and Leeds.

The university has a long-standing

Eighty years ago this week...

Sea Captain John Claus Voss set out May 21, 1901, in his Nootkan Indian dugout canoe, *Tilikum*, on a 40,000-mile voyage to sail to England. Voss reached Margate, England on September 2, 1904 — three years, three months and 12 days after leaving Victoria. For this unparalleled feat he was elected a fellow of the Royal Geographical Society. The *Tilikum*, is on display in Thunderbird Park in Victoria.

May 20/81

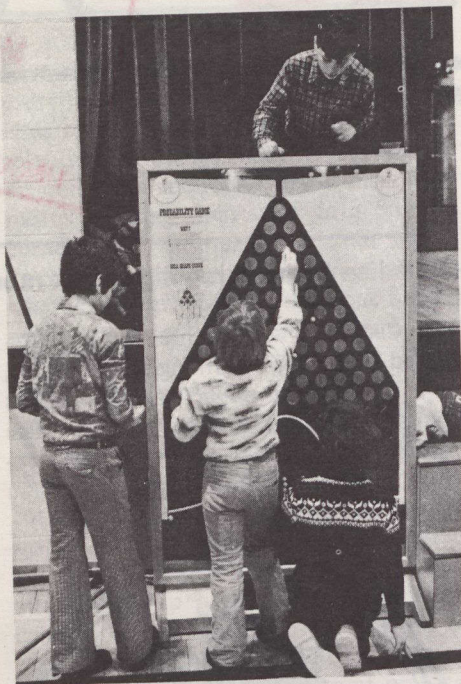
interest in Canadian subjects including drama, English and French literature, geography, history, international studies, law, politics and social studies. Its library also has strong Canadian holdings.

During May, the university is playing a role in the *Canada in Birmingham* program including a joint colloquium on administrative law with Laval University of Quebec City. This is being followed by a workshop on two hydro-electric power projects in eastern Canada, along with a display on energy sources in Alberta. A series of public lectures are also being held on recent developments in Canadian society, literature and external relations. In addition, various Canadian cultural events are also taking place at the university.

On the sporting side, Cliff Thorburn, Canada's world snooker champion from Toronto and Bill Werbeniuk from Vancouver will play in a tournament with two Midlands snooker stars.

Coincidental to the Canadian invasion of Birmingham, was Wardair's inaugural non-stop weekly charter flight between Toronto and Birmingham on May 7.

Birmingham already has many links with Canada. Apart from London, it is the only English city with a Canadian consulate and many Canadian firms have representatives in the area. Since the



One of the Science Circus activities is a game that illustrates the fundamentals of mathematical probability. A ball is dropped in and moves through a maze, bouncing left and right.

opening of the National Exhibition Centre, Canadian companies and provincial representatives have been regular visitors to the city.



A Time of Plenty 1970, a stone-cut by Tookome, is one of the works included in the Dialogue exhibition, one of the cultural events being presented.

Coal demand studied

The federal Department of Industry, Trade and Commerce is conducting a survey of world demand for thermal coal.

The work is being done in co-operation with the provincial governments of Nova Scotia, Alberta and British Columbia, as well as the federal Departments of Energy, Mines and Resources and Regional Economic Expansion.

Three teams, each comprising federal and provincial officials, visited Europe, Latin America and the Far East as part of the study.

The study is expected to provide the federal and provincial governments with first-hand market information on which to base policies.

It also will provide information about markets for Canadian coal mining and other companies. The demand for thermal coal, used primarily for generating electricity, is increasing rapidly because of rising oil and natural gas prices.

Chemist wins Swedish prize

A Canadian chemist has been awarded a Swedish prize designed "to stimulate innovations in industry in Sweden or abroad".

Dr. Harry Halton of C-I-L Incorporated of Mississauga, Ontario, will receive the first Marcus Wallenberg Foundation award donated by the Swedish industrialist and banker for which it is named.

The \$140,000 prize is being given to Dr. Halton for his discovery of a catalyst of major significance to the pulp and paper industry.

Dr. Halton has pioneered work in the use of anthraquinone in the production of pulp from wood. Anthraquinone, a chemical used in the production of paint, acts as a catalyst in the pulping process, reducing the boiling time required, increasing the yield and eliminating sulphurous pollutants.

Dr. Halton's work has shown that the addition of a small quantity of the catalyst increases the speed of delignification, the process in which lignin separates from the cellulose fibres in wood.

Dr. Halton, who received a Ph.D. in chemistry from the University of Windsor in 1971, is leading a team of scientists at the Montreal C-I-L research laboratory.

Open-caption programs for deaf

The Canadian Radio-Television and Telecommunications Commission (CRTC), in a precedent-setting decision, has given a Toronto cable television company permission to broadcast open-caption programming for the deaf.

The CRTC gave permission to Rogers Cable TV Ltd. to provide six to eight hours a week of programming on a special converter channel.

Open captions are decoded by the cable company and printed at the bottom of the television screen for deaf viewers. The service will help people in the Toronto area who do not have special \$350 decoding devices to decipher "closed captions" which are otherwise invisible on the screen.

Most of the programming will be geared to children "because captioning assists the deaf with language skills and we feel that's most important for children," said Sanderson Layng, director of the Deaf Television Resources Centre which is owned by Rogers.

Canada-Niger talks

Canada and Niger have agreed to study a number of projects which will contribute to the economic and social development of Niger in the next few years. Proposals for the projects were discussed during the visit of Niger's Minister of Planning Brah Mahamane, who headed a delegation to Canada for the seventh annual consultations between Canada and Niger on development co-operation, held in Ottawa, April 22-26.

Pierre De Bané, Minister of Regional Economic Expansion and adviser to the Secretary of State for External Affairs on Francophone Affairs, led the Canadian delegation to the meetings.

Mr. Mahamane also held talks with Minister of Transport Jean-Luc Pépin, Minister of State for Finance Pierre Busières and Minister of State for Small Business Charles Lapointe. In addition, Niger's Minister of Planning also met with Marcel Massé, President of the Canadian International Development Agency (CIDA) and Michel de Goumois, Deputy Under-Secretary of State for External Affairs.

The representatives for the two countries said they wanted to join together to

help expand and develop relations between Canada and Niger, both bilaterally and multilaterally.

During the consultation on development assistance, the Canadian and Niger delegations examined projects already under way and discussed directions for future operations, focusing on three priorities: food self-sufficiency, the search for economic independence and the establishment of a developing society. The parties agreed to study projects in the agricultural, environmental and energy sectors. The Canadian representatives assured the Niger delegation that Canada would co-operate to help implement the studies.

Mr. Mahamane and the Niger delegation also visited the Salon de la Femme in Montreal where CIDA was hosting an exhibit of women in the Third World; Niger was one of the countries featured in this year's program.

Swiss minister makes visit

The head of the federal Department of Foreign Affairs of Switzerland Pierre Aubert made a visit to Canada, April 25 to May 2, at the invitation of Secretary of State for External Affairs Mark MacGuigan.

The meetings between the two foreign ministers focused on a number of bilateral and international questions of mutual interest including East-West relations and the Madrid Conference on Security and Co-operation in Europe.



Governor-General Edward Schreyer (right) speaks with Swiss head of the federal Department of Foreign Affairs Pierre Aubert.

The question of Canada's embargo on uranium shipments to Switzerland was also discussed. Since 1977, Canada has not allowed uranium to be shipped to Switzerland because of that country's refusal to provide guarantees required by Canada from all buyers of Canadian nuclear material and equipment.

During his visit to Ottawa, Mr. Aubert was received by Governor-General Edward Schreyer and met with Justice Minister Jean Chrétien.

The Swiss minister also opened "The Swiss Weeks" exhibition in Toronto and addressed the Swiss-Canadian Chamber of Commerce in that city. Mr. Aubert also spoke before the Swiss-Chamber of Commerce during a visit to Montreal.

Manpower shortages in mining

The federal government recently signed two agreements designed to help overcome a shortage of skilled workers in the mining industry.

Employment and Immigration Minister Lloyd Axworthy and Minister of State for Mines Judy Erola signed agreements with the Mining Association of Canada and the Coal Association of Canada.

The agreement with the Mining Association was the first on human resources planning with a major industrial association. Under the agreement the association will be linked with the National Job Bank of the Canada Employment and Immigration Commission (CEIC). The bank, which opened last November, is a nation-wide telephone computer hook-up for the rapid matching of workers and jobs. The bank will allow the industry to take advantage of mobility assistance to locate employees in areas where jobs are located.

Besides helping skilled workers move to jobs, the agreement with the Mining Association also provides for assistance to mining firms in forecasting occupational demand and supply, wage rates and working conditions, availability of public labour market programs and utilization of non-traditional labour forces.

The agreement with the Coal Association of Canada establishes a framework leading to a survey and projection of employment requirements in the coal industry, and provides training in high-demand occupations. Under the agreement, the association will advise its members and the CEIC on ways to resolve manpower imbalances in the industry.

Canada calls for settlement

Namibia should long since have become independent and joined the United Nations, said Canada's Ambassador to the United Nations Michel Dupuy in an address to the UN during the Security Council's consideration of the question of Namibia in New York, April 27.

Mr. Dupuy said that Canada had worked closely with Britain, France, the Federal Republic of Germany, and the United States since the effort to achieve an internationally accepted settlement began. The efforts of the Western Five, as the countries have become known, have been supported by the Secretary-General, the United Nations Secretariat and the African Group, particularly the Front Line States and Nigeria, he said.

"Canada regrets the failure of the Geneva talks and is deeply concerned over South Africa's intransigent attitude which has blocked implementation of the United Nations' settlement plan and heightened tensions throughout Southern Africa," said Mr. Dupuy. He said that without an internationally accepted settlement in Namibia, the situation can only deteriorate leading to intensified armed conflict and increased regional instability. "The South African position is legally, politically and morally untenable and cannot be long maintained," said the Ambassador.

Full commitment

Canada remains fully committed to pursuing a negotiated settlement in the case of Namibia, said Mr. Dupuy. "However, it has become apparent that progress towards a settlement will only be made if the transitional process is fair and the result satisfactory to, and respected by, all Namibians," he said. Canada along with its colleagues from the Five, will examine possibilities for strengthening the existing plan in order to give greater confidence to all parties in the future of an independent Namibia, said Mr. Dupuy.

"Canada believes that the way must be left open for the pursuit of an internationally acceptable settlement. It is with that in mind that we contemplate with deepest concern the call for sanctions before this council. Such a course, we believe would probably put an end to United Nations' efforts and could indefinitely delay progress towards Namibian independence," warned Mr. Dupuy.



Michel Dupuy

Canada shares the frustrations of the international community over the failure to bring the United Nations' effort to a successful conclusion, he added. Mr. Dupuy said that the negotiation process must now be intensified and efforts made to build on the work which has already gone into the question so far. "It is essential to retain support for a negotiated solution and to avoid unnecessarily putting obstacles in that path," he said. Canada urges the Security Council to reiterate its support and reaffirm its commitment to the goal of self-determination for the Namibian people, said the Ambassador.

CP Rail studies electrification

CP Rail is investigating a method of electrifying steep grades in the Rockies and the Selkirks, with the aim of reducing fuel consumption, reports the *Canadian Press*.

The plan is part of a larger CP Rail program to reduce energy consumption and increase energy efficiency. Currently, trains are hauled by diesel locomotives with sufficient horsepower to pull them over the steepest grades. But this requires vast amounts of diesel fuel.

By electrifying just the grades, the railway would be able to pull heavier trains or use fewer locomotives to obtain the most efficient fuel operation while increasing capacity at the same time.

Both Canadian National Railways and CP Rail are looking for ways to reduce

their operating costs while increasing their capacity to haul bulk commodities such as coal, potash, sulphur and grain.

Charles Pike, CP Rail's vice-president of operations and maintenance said conservation groups often have advocated electrification of Canada's railways to reduce oil consumption. However, the cost of converting from diesel to electricity would necessitate some government funding.

Mr. Pike told a meeting of the Canadian Institute of Traffic and Transportation that in 1980, CP Rail consumed about 910 million litres of diesel fuel at a cost of \$145 million, but the company anticipates the bill for this year will be more than \$200 million for about 980 million litres. He said that as recently as 1972, this same amount of fuel would have cost about \$32 million.

He said CP Rail also is conserving fuel by double-tracking grade revisions at three locations in the mountains. Two are complete and a third will be finished this year.

Automotive forum in Toronto

Toronto will host SITEV-America, an international industrial development forum for the automotive sector, June 16-18.

SITEV-America will serve as a forum for auto parts and vehicle manufacturers from around the world to meet for discussions on joint ventures, licensing arrangements, partnerships and opportunities for establishing production facilities in the Americas.

Toronto was chosen as the site for SITEV-America over competing jurisdictions in the United States and Canada.

Participants in SITEV-America will include buyers from North, Central and South America, Europe and Japan; industrial location specialists representing European and Japanese auto manufacturers; original equipment market suppliers, as well as national, state, provincial, municipal and industrial development officials. Financial, taxation and project planning experts will also attend to provide detailed information to interested companies.

For the past three years, the Ontario government has participated in SITEV's annual show in Geneva, and last May, the largest Ontario trade mission ever, comprising 35 Ontario auto parts manufacturers, attended the SITEV trade fair.

UN photo by Y. Nagata

Changes in industry make travelling easier for disabled

A major challenge for Canada's tourism industry in 1981 — International Year of Disabled Persons — is to accelerate measures already started to help accommodate physically handicapped travellers.

"Handicapped people want to travel. In the hard core marketing and business sense, there is a market here," said Denis Barry of the Travel Industry Association of Canada.

Travel agents

While few travel agents have yet acquired experience in dealing with physically-handicapped clients, their growing awareness was evident at a recent Alliance of Canadian Travel Associations (ACTA) seminar concerning disabled people and travel. Problems experienced by physically-handicapped travellers were discussed and suggestions made to help agents work more effectively with such clients.

Cinnie Noble and Boyd Haan are two Toronto travel agents who have worked extensively with disabled people.

Haan's first involvement was with a group of disabled athletes. While he says that extra time and effort are required to ensure a successful trip for handicapped travellers, he adds "we find our arrangements for a group of physically disabled

travellers are much more appreciated".

Noble, involved with handicapped travellers since 1976, agrees that arrangements for handicapped clients require extensive and time consuming pre-trip work, and that this poses a problem for travel agents working on commission. But, she adds, the time element could be reduced if agents knew the appropriate questions to ask. To this end, she is working on a manual containing relevant questions and other information designed to reduce the time involved in processing disabled clients.

Haan and Noble belong to ASSIST (Association for Specialized Services Involving Special Travellers), a committee of the Ontario Travel Industry Conference. Formed in 1978 to advance travel opportunities for physically disabled people, ASSIST members include travel agents, tour operators, airline personnel and consumers.

Trains and planes

Within the passenger rail and airline industries substantial improvements have already been made to make travel more accessible to disabled persons.

A recent Department of Transport review of airport services resulted in authorization of \$2.2 million to upgrade existing facilities within three years. Air terminals built since 1973 have been designed with disabled people in mind.

Following complaints about inconsistent policies by air carriers towards disabled travellers, the Air Transport Association of Canada (ATAC) developed a set of standardized guidelines which were recently accepted by all major Canadian airlines.

ATAC executive vice-president Harry Pickard said the guidelines were designed to free disabled travellers as much as possible from the need to travel with an attendant. They clearly define which passengers may travel unaccompanied, which must have an attendant, and the number of disabled passengers *per flight*.

In June 1980, Nordair became the first Canadian airline to provide safety and in-flight information in braille.

A few months later, Air Canada became the first Canadian air carrier to equip its reservation service with an electronic teletype system for speech- and hearing-impaired people. The system is operating

on a trial basis in Montreal and Regina and, pending results, may be expanded to other Air Canada reservation offices.

A major milestone in rail travel for disabled persons was realized in April 1980 when the Canadian Transport Commission (CTC) issued a decision requiring VIA Rail to offer passage to all self-reliant handicapped persons. VIA was also instructed to provide manual lifting of wheelchair passengers at 13 major stations across the country.

VIA has complied with the CTC requirements and has instituted a special program for handicapped travellers. Special advisor D'Arcy O'Connell, himself a wheelchair user, outlined the Crown corporation's \$18-million, five-year special needs program. Under the program, he said, VIA staff have been trained to lift wheelchairs, brochures in braille have been produced and about 40 railway stations are being modified. Research is under-way on mechanical wheelchair lifts for new or modified railway cars, as well as on interior designs which will better accommodate transportation-handicapped passengers. Also, VIA's computerized reservation system now allows people with speech or hearing problems to communicate through teletype or Bell Canada's Visual Ear system.

The challenge for the 1980s, beginning with the International Year of Disabled Persons, is to further advance the travel opportunities for handicapped people and to ensure that disabled travellers are treated with the same consistency and dignity as able-bodied ones.

(From Canada Tourism, December 1980-January 1981.)

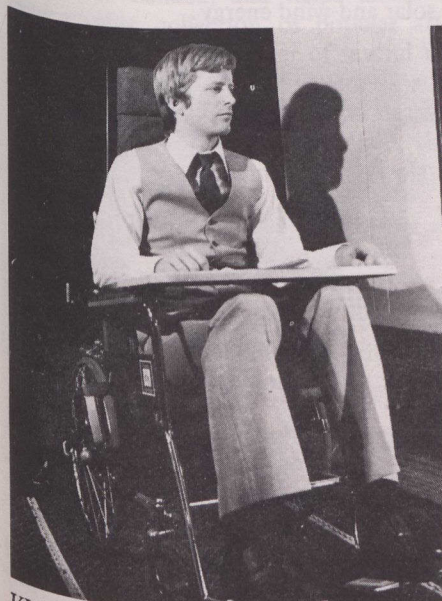
Fisheries grants awarded

The Department of Fisheries and Oceans has awarded its 1981 research grants to scientists at 17 Canadian universities.

The grants, worth \$360,000 in biological, oceanographic and socio-economic fields, are designed to encourage university-participation in fisheries, marine and aquatic research.

The average grant is for \$9,700 and 12 new research programs are being assisted this year.

Current research emphasis is in fish population changes, ecosystem relationships, ocean pollution, diseases of aquatic organisms and fish quality improvement.



VIA Rail's (light, rapid and comfortable) trains will have special securing mechanisms which will allow disabled passengers to remain in their wheelchairs by ensuring that the chairs do not roll.

Senegal uses Canadian manual

Engineering professors and technicians at the Thies Polytechnical School in Senegal are currently developing a drafting manual based on a Canadian manual published by the National Research Council of Canada (NRC).

Since no national standards exist in Senegal, a Senegalese team has obtained permission from the NRC to borrow excerpts from the *Manual on Metric Drafting Practice* or use it for reference purposes.

The new manual will serve as a training document for Senegalese technicians and engineers and might eventually be edited and distributed to all technical schools in Francophone Africa.

Cold-hearted surgery method

Two Vancouver doctors are pioneering a technique that reduces the risks of cardiac surgery.

The method involves chilling the heart to a few degrees above freezing and stopping it altogether during surgery while a heart-lung machine keeps the patient alive, said Dr. R.T. Miyagashima.

In conventional cardiac surgery, the heart keeps beating while the surgeon races against time to complete the repairs before the organ suffers too much damage from oxygen starvation. It is estimated that the heart can go without oxygen for only ten or 15 minutes at normal body temperature; when an operation takes an hour or more, damage can be considerable.

"We know that there is always some damage done to the heart, and some of it is obvious," said Dr. Miyagashima.

"There is undoubtedly also subliminal damage that we cannot pick up and yet it may become apparent — possibly years later — when the victim has another heart attack."

Chilled to near freezing point

Dr. Miyagashima and Dr. W.E. Jamieson have been working together to lessen this damage and report that chilling the heart to near the freezing point greatly increases the time the organ can go without damage from lack of oxygen.

Further, with the heart stopped completely, the surgeon can work more quickly and accurately, without the pressure of having to rush the operation for

fear of heart damage.

The technique starts with an injection of a cold cardioplegic solution at four degrees Celsius to cool the heart. Another injection stops the heartbeat while the heart-lung machine takes over.

Then the chest cavity is packed with crushed ice made from a saline solution to maintain a temperature of 10 or 11 degrees Celsius, well below the normal body temperature of 37 degrees Celsius.

When the repairs are complete, the ice is removed and the patient's temperature gradually brought back to normal. The heart-lung machine is shut down and

heartbeat restored.

Dr. Miyagashima said the technique is so much faster it enables doctors to perform as many as four or five bypass operations in a single session of surgery where only one or two were possible before.

He notes that open-heart surgery now has a mortality rate of only 2 per cent, lower than many other procedures. Further, post-operative complications have been reduced so that the average patient stay in hospital now is nine or ten days, down from the former stay of 16 to 18 days.

Inflatable tent designed to revolutionize the camping industry

After spending six years at the drawing board, Quebec inventor Pierre Jutras says he has perfected a new inflatable tent that could revolutionize the camping industry, reports the *Canadian Press*.

"Trailers and tent-trailers are finished, first because of their cost and also because of the price of gas," said Jutras.

Jutras's creation, modeled after geodesic structures, consists of a nylon balloon that is inflated with a small fan powered by a standard car battery.

The tent, which requires no supporting poles, weighs 12 kilograms, when not inflated and can be stored in a cupboard. When blown up, it stands about two metres high and five metres long and can

house the average family.

Jutras said the fan keeps the tent, which has four windows and a door, slightly pressurized to keep out insects, while a specially-designed heater can make it liveable even when it is -50 degrees Celsius outside. A second membrane placed over the tent, leaving a small gap of air between the two, provides insulation.

Jutras, who says he plans to put his tent on the market this spring at a cost of less than \$1,000, hopes he can interest mining exploration companies and other industrial concerns in his invention.

Jutras says he now plans to design a free-standing inflatable house that uses solar and wind energy.



Jutras (centre) in his tent with his wife and a friend.

News briefs

Federal Agriculture Minister Eugene Whelan has announced that cattle and sheep will not be allowed into Canada from continental Europe this year because of recent foot and mouth outbreaks in Italy, France and Austria. Foot and mouth is a highly contagious livestock disease. Canada has been free of the disease except for one outbreak in 1952 and any introduction into this country could seriously affect Canada's ability to export Canadian livestock.

Celanese Canada Incorporated has received Alberta government approval to build a \$255-million methanol plant at Clover Bar, east of Edmonton, Economic Development Minister Hugh Planche says. The plant will use natural gas to produce 2,100 metric tons of methanol a day. Celanese expects to export as much as 75 per cent of initial production to the United States and Pacific Rim countries. The balance will go to Canadian markets, including an on-site derivative plant.

Massey-Ferguson Limited says it has received a \$41-million (U.S.) order from Saudi Arabia for tractors and farm implements. The order from Massey's distributor, E.A. Iuffali and Bros., is for 2,300 tractors. Both tractors and engines are built in Britain. Included in the order are 8,500 Massey implements, such as ploughs, tillers and trailers. Massey and Iuffali are now at the final stage for a joint project with Saudi Tractor Manufacturing Company, which will assemble Massey tractors in a new plant to be built in Jeddah.

The University of Guelph has entered into a four-year faculty exchange program with Peking University to interchange agricultural techniques, beginning January 1, 1982. An agreement between the two institutions was reached recently during a visit to China by the president of

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

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

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

Arnie Boldt, a 22-year-old student from Saskatoon, Saskatchewan set a world record for handicapped high jumpers with a leap of 2.04 metres in the International Games for the Handicapped held in Rome. The world record for non-handicapped jumpers is 2.36 metres. He also set a new world record in the long jump with a mark of 2.99 metres.



the University of Guelph, Donald Forster, and several faculty members.

The board of directors of the Export Development Corporation (EDC) has approved loans of \$265.26 million and export credits insurance of \$93.7 million to nine countries: Austria, Czechoslovakia, Egypt, Finland, Guatemala, Mexico, Morocco, Peru and Britain. EDC said that the export sales that will result if the sales are finalized will create or maintain 7,722 man-years of employment in Canada and will involve some 112 exporters and major suppliers across Canada.

The economy will show an unexpectedly healthy economic growth rate in 1981, buoyed by higher exports and an upturn in inventory levels, University of Toronto Professor T.A. Wilson told the quarterly outlook conference held by Data Resources of Canada on April 21. Real growth will reach 3.6 per cent, with a strong first quarter followed by a short pause and then a rebound in the last half. The positive outlook is in sharp contrast to predictions of only 1.5 per cent growth made at the last conference.

Sundance Oil Canada Limited of Calgary has discovered a new natural gas field in south-central Alberta that could contain up to seven trillion cubic feet of gas and 400 million barrels of natural gas liquids. This represents almost a five-year domestic supply at current consumption rates. Sundance says that the Hoadley field discovery is second only to the Elmworth field discovered in the mid 1970s.

After tax profits of Canadian industrial

corporations, seasonally adjusted, were \$5.071 billion for the fourth quarter of 1980, an increase of \$14 million or .28 per cent over the seasonally adjusted profits for the prior quarter. Profits, not seasonally adjusted, were \$5.46 billion, a decrease of \$316 million or 5.4 per cent over last year's figures.

Consumption of red meat in Canada in 1980 was 164.53 pounds per capita compared to 160.82 pounds in 1979. The 1980 per capita consumption estimates are: beef, 87.7 pounds (88.06 pounds in 1979); pork, 71.25 pounds (65.48); veal, 3.09 pounds (3.06); mutton and lamb, 1.75 pounds (2.33); offal, 0.74 pounds (1.87). Apparent 1980 consumption of other food groups in pounds per person are as follows: cereals, 158.1 (148.3); sugars and syrups, 89.5 (92.6); pulses and nuts, 8.8 (11.5).

Frontier Airlines of Saskatchewan has begun the first ever daily scheduled air service linking the province with the United States. The Canadian Transport Commission granted a temporary, two-year licence for the service last fall. The flight leaves Saskatoon daily, picks up passengers in Regina and lands in Minot, North Dakota. It goes to Denver and ends at Phoenix.

Larry Robinson, a defenceman with the National Hockey League's Montreal Canadiens, was the only Canadian team player selected to the world hockey championship all-star team. The team was chosen at the close of the championships held recently in Gothenburg, Sweden.