

# Canada Weekly

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**Pilot plant turns waste materials into cattle food, 1**

**International meeting on treatment of complex minerals, 2**

**Assistance to Thailand and Africa, 2**

**Computer link system creates order, 2**

**First visit to Canada of a Portuguese prime minister, 3**

**Record grain sale to the USSR, 3**

**Germany buys sound system, 3**

**TEC-CAN '82 fair draws successful response in São Paulo, 4**

**International Canadian studies award, 5**

**Baseball Hall of Fame, 6**

**Soviet Minister of Agriculture concludes 11-day visit to Canada, 6**

**News of the arts — exhibition, festival, 7**

**News briefs, 8**

## Pilot plant turns waste materials into cattle food

Within a few years cattle and poultry may fatten on feeds that once were the waste materials of forest and agriculture industries as far apart as Canada and South-east Asia.

Production of single cell protein (SCP) feed supplement has in fact already begun at a pilot plant, designed and operated by Envirocon Limited, a Vancouver-based firm specializing in environmental management and resource development. The plant takes sludge, sawdust and other wastes trucked in from a pulp and paper mill in Prince George, British Columbia and turns them into SCP supplement at the rate of .9 tonnes of waste in, for .45 tonne of supplement out. It is being operated by Envirocon to determine whether animal feed produced this way can compete in price with soymeal and other natural substances now used by poultry and livestock producers.

### Biotech methods

Envirocon's plant makes use of a biotechnological process originally developed by the University of Waterloo in Ontario, and modified for volume production by the company. Earlier this year Envirocon announced it had acquired licensing rights to make use of the process in plants which, if the tests go well, it plans to design and market on a turnkey basis throughout the world.

In the SCP process, cellulose waste materials are combined with small quantities of chemical or organic fertilizer and fed to living fungus organisms under carefully controlled conditions of temperature and chemistry. The fungus consumes the wastes and turns them into protein which is then filtered dry and packaged for dispatch to the farm or feedlot. The final product of the Vancouver plant is a fine brown-green powder, but other forms can be woven by the process for different feeding needs — ranging from large granules to string-like fibres.

Although Envirocon is still studying the economics, there is no doubt about

the high nutritional value of the product. "We know, going in, that the protein content of our product is 30 per cent," said company president Richard Buchanan.

Other processes have been developed to turn non-food materials into food, but Envirocon's system has characteristics which put it in a class by itself. The earlier systems all made use of complicated technology and used costly or scarce substances (petroleum and starch products for instance) as raw material.

"Ours is a low-technology system," said Buchanan. "Conditions have to be carefully controlled but the system is geared for simple, small-scale operation. This means that a relatively inexpensive plant can be set up very close to the source of raw materials."

Mr. Buchanan pointed out that although the Vancouver plant is starting with forest-industry wastes, the SCP system makes good use of a multitude of other cellulose-based crop leftovers including cornstover, bagasse (sugar cuttings), rice hulls and straw.

### System can be used worldwide

In earlier tests, University of Waterloo researchers used an assortment of materials ranging from Indonesian ramie leaves to peanut shells from Georgia. "This system can be employed anywhere in the world," said Buchanan.

Because of these features, Envirocon expects its plants will interest a wide range of customers including governments of developing countries looking for ways to stretch scarce food resources. In these areas the system could be used to replace soymeal and fish with manufactured SCP supplement, and natural foods turned over to human consumption.

In North America, animal feed manufacturers now use more than 1.8-million tonnes of protein supplement a year. On the supply side, the Canadian forest industry alone generates 270 000 to 360 000 tonnes of wastes a year of the kind used in the process. "As things stand now this

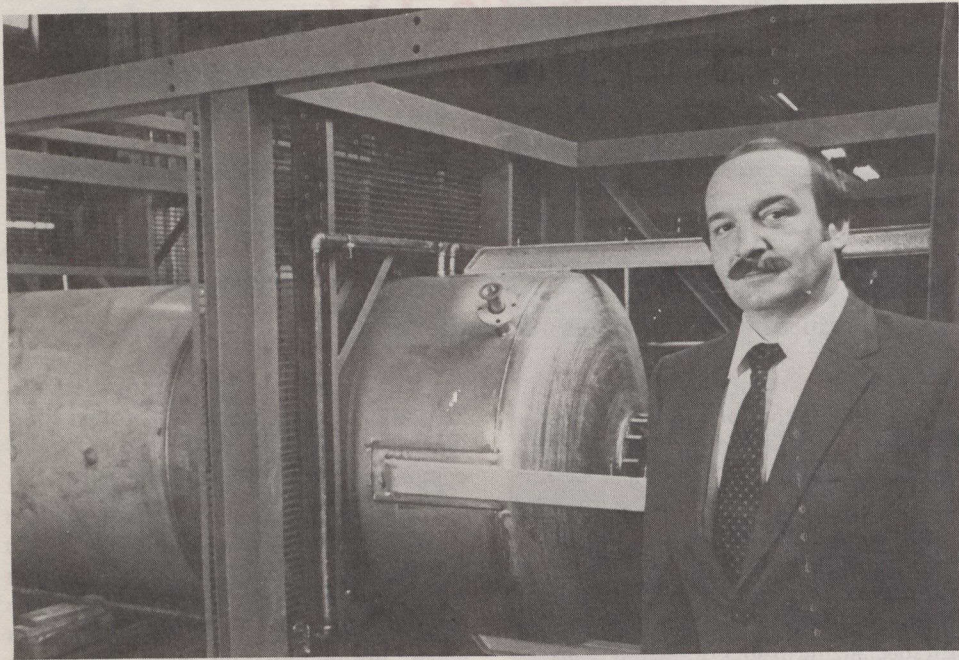


*Canada and France will celebrate in 1984, the four-hundred-and-fiftieth anniversary of the discovery of Canada by Jacques Cartier. The above monument was unveiled this summer in Gaspé, Quebec, in memory of the explorer.*



External Affairs  
Canada

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*Envirocon vice-president Donald P. Manolescu checks 10 000-litre main tanks in the company's single-cell protein plant.*

material is one huge garbage problem — waste that has to be disposed of, usually in very expensive ways. Our process has a 50 per cent conversion rate — one ton (.9 tonnes) of waste in, half a ton (.45 tonnes) of feed supplement out. So operators of our plants could look forward to producing up to 200 000 tons (180 000 tonnes) of supplement a year in total, from this industry alone," said Buchanan.

He added that although some forest industry mills might be interested in operating SCP plants themselves because it would be cheaper than waste disposal, he thinks it more likely that customers

for these plants will be entrepreneurs specializing in waste material conversion. Inquiries from this sector have been numerous, along with others from agricultural and forest industry organizations in North America and abroad.

As the pilot plant operation goes forward, Envirocon expects to lower operating costs by making the process more efficient. It will also run comparative tests on different raw materials at different volumes. Plant testing — scheduled to last from one year to 18 months — will be accompanied by feed trials on poultry and livestock.

### **International meeting on treatment of complex minerals**

The second international seminar on metals technology held in Ottawa from October 12-14, was attended by some 100 mineral experts from Canada and Europe.

The three-day seminar, sponsored by the Department of Energy, Mines and Resources and the Department of Industry, Trade and Commerce in conjunction with the Commission of the European Communities (EC), was organized under the Framework Agreement for Economic and Commercial Co-operation signed in 1976.

The purpose of the seminar was to promote the development of new technologies for recovering metals from ores, particularly from the complex metallic sulphides commonly found in Canada and

other parts of the world.

The participants were scientists and industrial experts from Canada, the European Community, Spain and Portugal, as well as observers from Australia, Finland, Norway, Sweden and the United States with most delegates and observers from the private sector.

Activities included visits to the Ottawa laboratories of the Canada Centre for Mineral and Energy Technology (CANMET).

The seminar was scheduled to enable participants to attend the fourteenth International Mineral Processing Congress held the following week in Toronto.

The first joint Canada-European Community Seminar on non-ferrous metals was held in Brussels in 1980.

### **Assistance to Thailand and Africa**

Deputy Prime Minister and Secretary of State for External Affairs Allan J. MacEachen announced recently that Canada was providing \$2 million for humanitarian relief programs in Thailand and Africa.

The funds will be donated to the International Committee of the Red Cross (ICRC) through the International Humanitarian Assistance program of the Canadian International Development Agency.

The \$1 million for the ICRC's African program will be provided in response to an appeal on behalf of the civilian populations displaced as a result of numerous armed conflicts. The \$1 million for Thailand will be devoted to refugee relief programs along the Thailand-Kampuchea border.

### **Computer link system creates order**

Gandalf Technologies Incorporated of Nepean, Ontario has developed a linking system which is expected to bring order out of chaos in the world of computer technology.

The equipment, known as PACXNET, was designed to link up virtually every style of computer in a smoothly functioning network of data communication, allowing customers to "build networks which enable a single terminal to gain access to a wide range of information resources".

The environment in which microchips, modems and nodes are developed is very competitive. Each manufacturer endeavours to outdo the other with new, faster, more reliable technology. Unfortunately, clients often find themselves with rooms full of incompatible computer equipment produced by different manufacturers.

Financing their research and development exclusively from company earnings, Gandalf's philosophy has been to "fill in the gaps" in the computer industry. Since its founding 12 years ago, the company has become a pioneer in the development of data transmission over short distances. Even at that time, the predecessor of PACXNET, the Private Automatic Computer Exchange (PACX) was being developed for McGill University in Montreal.

In the ensuing years Gandalf has penetrated markets in the United States, Canada and Britain.

## First visit to Canada of a Portuguese prime minister

Prime Minister Francisco Pinto Balsemão of Portugal was in Canada October 4-6, marking the first time a Portuguese prime minister has officially visited this country. He was accompanied by Minister of Foreign Affairs Vasco Caldeira Futscher Pereira; Minister of Trade, Agriculture and Fisheries Basilio Horta; President of the regional government of the Azores João Bosco Mota Amaral; as well as several other senior officials of the government of Portugal.

Prime Minister Pierre Trudeau, who welcomed the Portuguese delegation at the Toronto International Airport, was host at a "working luncheon" in a downtown hotel, and the same evening gave a state dinner for the Portuguese prime minister.

While in Toronto, Mr. Balsemão called on Ontario Premier William Davis, gave a joint press interview with Mr. Trudeau and visited members of the Portuguese-Canadian community and leaders of the cultural program in Canada. He was accompanied in the latter case by federal Multiculturalism Minister James Fleming.

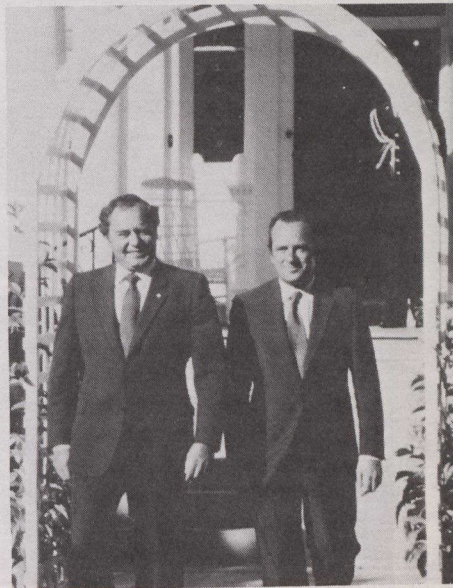
The following day, in Ottawa, Mr. Balsemão again met with Mr. Trudeau and other members of the Cabinet. Discussions covered bilateral relations, as well as the two countries' shared role within multilateral organizations such as the North Atlantic Treaty Organization. They also exchanged views on international issues of mutual concern.

### Trade

The possibility of expanding and diversifying trade was another topic under discussion. Agriculture and high technology were two areas touched on in the talks. Among Portuguese exports to Canada are vegetables and vegetable byproducts, rope products, wine, fish, household articles and fabrics. These exports have increased during the past few years; they rose from a value of \$51.7 million in 1980 to \$52.3 million in 1981.

Canada's main exports to Portugal include fish, wheat, asbestos, zinc, grain and vegetable oils.

After a meeting with Deputy Prime Minister and Secretary of State for External Affairs Allan MacEachen, Mr. Balsemão attended a luncheon given by the National Press Club. In the afternoon of October 5 he was received by Governor General Edward Schreyer at Government House.



René de la Mauvinière

*Governor General Schreyer (left) receives Portuguese Prime Minister Balsemão during his visit to Canada last month.*

Relations between Portugal and Canada have always been cordial and new ties have been formed by Portuguese emigration to this country. Closer relations have been furthered by Portugal's presence in and loyalty toward NATO.

The number of Canadians of Portuguese origin is estimated to be over 300 000, most of whom live in Ontario, although there are also large communities in Montreal and, more recently, in the West. At present the embassy in Lisbon issues some 3 500 visas a year.

Cultural relations between Portugal and Canada are increasing. An annual exchange of teachers takes place, especially in the humanities, and of scholarships at the post-university level. Three Canadians, prizewinners at the National Festival of Music in London in 1982, have been invited to Lisbon, as has the Montreal Symphony Orchestra. The Portugal-Canada Association of Lisbon and similar associations in Montreal and Toronto have made possible visits by musicians, painters and theatre troupes, including visits by Canadian pianist Spasovski to Vila Real/Lisbon and by the Cascais experimental theatre to Toronto. The Gulbenkian Foundation and the National Gallery of Canada are pursuing an effective policy of co-operation.

In 1980 the two countries signed a social security agreement, and at present, the terms of a double taxation agreement are being studied.

## Record grain sale to the USSR

The Canadian Wheat Board recently announced the signing of its largest-ever single grain deal.

Over the next nine months, Canada has agreed to sell 7.6 million tonnes of grain, worth between \$1.3 and \$1.5 billion, to the USSR.

The agreement will be financed by cash from the Soviet Union and a \$1-billion line of credit guaranteed by the Canadian federal government.

Under a long-term agreement signed in May 1981, the USSR had agreed to purchase a minimum of 25 million tonnes of grain from Canada over five years. In the first year of the agreement, they were committed to buy four million tonnes but owing to crop failures in the USSR, they purchased 7.8 million tonnes of Canadian grain. During the period of the new agreement, the USSR had been committed to take 4.5 million tonnes.

In announcing the sale, Senator Hazen Argue, minister responsible for the Canadian Wheat Board, said he was confident the Wheat Board would make additional sales this year.

## Germany buys sound system

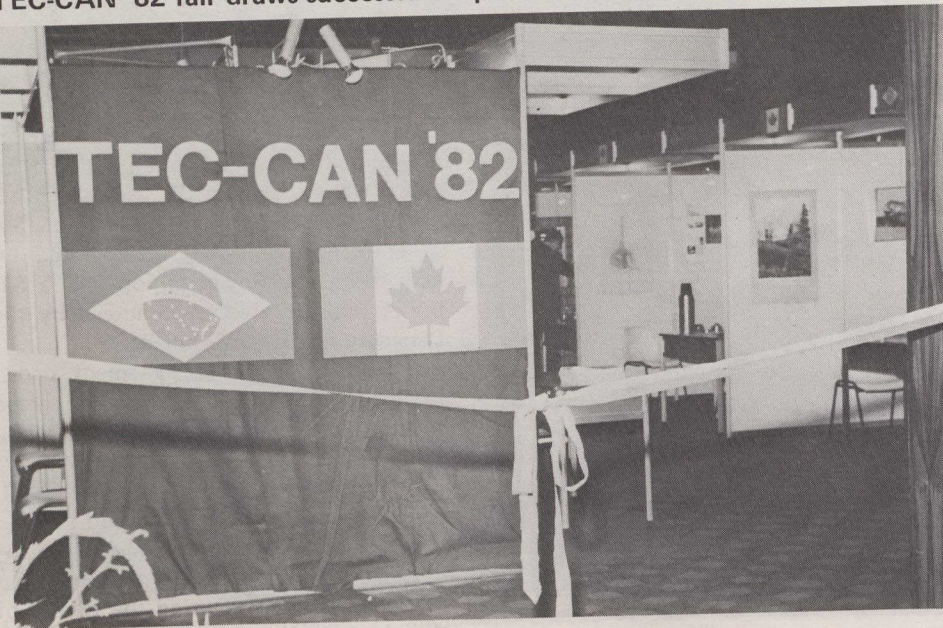
International Trade Minister Gerald Regan has announced that Canadian Commercial Corporation had received a contract worth \$1 116 914 from the Federal Republic of Germany for the supply of 4 000 AN/SSQ-41B Sonobuoys, manufactured by Hermes Electronics Limited of Dartmouth, Nova Scotia.

Sonobuoys are air-launched expendable devices designed to transmit information concerning underwater movement and sound.

Hermes has achieved international recognition as a manufacturer of sophisticated products in the field of submarine detection devices, communications and ocean data systems. Production and delivery of the Sonobuoys are scheduled over seven months and will provide an estimated 42 000 person hours of employment.

Canadian Commercial Corporation contracts with foreign governments and international agencies on behalf of Canadian producers of goods and services. In 1981-82, the corporation achieved sales of over \$550 million, involving 435 Canadian suppliers and more than 50 foreign customers.

## TEC-CAN '82 fair draws successful response in São Paulo



Photos courtesy Brazil-Canada Chamber of Commerce

The Canadian International Development Agency (CIDA) sponsored an important transfer of technology fair in São Paulo, Brazil from September 27-30, 1982, with the support of Canada's Consulate General.

TEC-CAN '82 was an outstanding success with visitors at the official opening on September 27, hosted by São Paulo State Secretary for Industry and Technology Osvaldo Palma and Vice-President of CIDA Lewis Perinbam, numbering over 200. Since then, the seminars attracted over 600 technologists from Brazilian

institutes and agencies.

The exhibition was the largest of a series recently financed by CIDA for industrializing nations, with the objective of demonstrating Canada's private sector's ability to help businessmen overseas face the technological challenge of our era and adapt to the shifting patterns of world industry. It was also aimed at reinforcing Canada's commitments to the North-South dialogue as reflected in the visits by Prime Minister Trudeau to Brazil in 1981 and President João Figueiredo of Brazil, to Canada in July 1982.



Vailton S. Santos photos

Mrs. Ronald MacLean, wife of Canada's ambassador to Brazil, cuts the ribbon to open TEC-CAN '82, helped by (from left to right): Osvaldo Palma, State Secretary for Industry, Commerce, Science and Technology, São Paulo; Ambassador MacLean; Lewis Perinbam, Vice-President, CIDA; and William Clarke, Canadian Consul-General, São Paulo.

President Figueiredo was accompanied by over 150 businessmen, who came to Canada to gain firsthand experience of Canada's technological and manufacturing strength. (See *Canada Weekly*, August 25, 1982.)

### Joint ventures urged

For a number of reasons such as the lack of management skills, technical expertise and capital resources, as well as institutional and commercial barriers, the indigenous resources available to industry in Brazil are not fully exploited, while Canadian technology and expertise is under utilized as a result of the continued weakness in general business activity.

With CIDA's financial assistance for pre-investment studies, Canadian entrepreneurs are urged to explore joint ventures and other mutually beneficial business opportunities with their Brazilian colleagues. The recognition of the potential for small- and medium-sized enterprises to complement traditional trade between Canada and Brazil, is evidenced by the increasing number of exchanges between related sectors of our economies and by all levels of government. The objective of the industrial co-operation program support in Brazil and in other industrializing countries is to act as a catalyst, bringing Canadian and Brazilian businessmen together, permitting a free exchange of ideas and initiatives. For such activities, CIDA shares with Canadians the cost to research and draft a business plan for Brazilian partners and investors. By financing the collection and dissemination of information, exchange visits, pre-investment missions and technical seminars, the program aims to establish a favourable climate for public and private capital in joint-ventures.

### Seminars

For the 46 manufacturers and consultants who have indicated a specific interest in finding joint-venture partners in Brazil by attending TEC-CAN '82, the Brazil-Canada Chamber of Commerce prepared additional information and seminars on prospects for Canadians in Brazil. To help stimulate attendance by Brazilians, the Chamber arranged a series of technical seminars on telecommunications, remote sensing, ocean engineering and environmental control with the participation of Canadian consultants. CIDA's financial assistance to these activities covers the reasonable expenses for conference facilities and information services; and the travel expenses for the 100 Brazilians



Vaillon S. Santos

Oliver Timmins (left), Industrial Co-operation Division, CIDA, presents TEC-CAN '82 desk piece to E. Mello de Siqueira, Revista Nacional de Telecomunicações, who chaired the telecommunications seminar.

who were invited to meet Canadians at the technology fair.

Attendance at the four TEC-CAN '82 seminars exceeded the expectations of the Chamber of Commerce and the Camara de Comércio Brasil-Canadá, the two associations that organized the seminars for CIDA. When the seminars were being planned some 12 months ago, the aim was to have an attendance of about 50 at each seminar. The actual attendance for the four seminars was: telecommunications, 200; ocean engineering, 100; remote sensing, 150; and environmental control, 160; for a total of 610.

In all, approximately 2 400 Barzilians visited TEC-CAN '82. All exhibitors established excellent contacts and as indicated

in the following preliminary results, most have immediate follow-up plans:

- (a) *Sales*: \$100 000 on site; anticipated \$300 000-\$400 000 over the next year;
- (b) *Distribution agreements*: one completed, one awaiting final confirmation;
- (c) *Agency agreements*: four completed, two awaiting final confirmation;
- (d) *Servicing agreements*: one under active discussion;
- (e) *Licencing*: 15 potential agreements under active discussion;
- (f) *Joint ventures*: two awaiting confirmation by Canadian head office, 50 potential under discussion; and
- (g) *General technological exchanges*: three or four initiated.



Franz Reiner, Câmara de Comércio Brasil-Canadá director, opens the remote sensing seminar from the podium. (Seated from left to right): M. Kirby, B. Lea, W. Bruce, chairman Nelson de Jesus Parada, R.A. Novaes, F.M.B. da Cunha and D.A.B. Marchetti.

### International Canadian studies award

Northern Telecom Limited, the largest manufacturer of telecommunications equipment in Canada and the second largest in North America, has announced its sponsorship of an International Award in Canadian Studies.

The annual prize will honour a leading scholar, academic, researcher, or teacher who has made a significant contribution to the development of Canadian studies.

The International Council for Canadian Studies (ICCS) will be responsible for the adjudication and administration of the award. The five-person selection committee will be international, its membership composed of representatives of at least three countries, including Canada. The ICCS will seek nominations from all countries in which Canadian studies are pursued at the postsecondary level. It is expected that nominations will be forwarded either through the Associations for Canadian Studies located in Australia and New Zealand, Britain, Canada, France, Ireland, Italy, Germany, Japan, and the United States, or through member associations of the ICCS located in Austria, Denmark, Sweden, Norway, Israel and Belgium. Canadian studies centres and/or programs have been established at universities in most of these countries.

The international nature of the award reflects and recognizes the significant expansion of interest in the teaching, research and publication about Canada abroad. A growing community of scholars in foreign countries are seeking to gain a more informed understanding, through a multiplicity of disciplines, of the structure of Canadian society, culture and institutions. The Northern Telecom award will give international recognition to major achievements in this regard.

#### Minister's congratulations

Deputy Prime Minister and Secretary of State for External Affairs Allan J. MacEachen, in a letter to Northern Telecom chairman and chief executive officer Walter F. Light, congratulated the agency on its initiative. The action, he said, was "a most welcome private sector encouragement and recognition of the significant expansion abroad of teaching, research and publication about Canada".

He said that his department had been working to further the development of Canadian studies outside Canada for some years. "There is much more to be done in

this regard.... Thus, initiatives such as yours for this award, the assistance to Irish universities and, very importantly, the lead you have taken in setting up the Business Fund for Canadian Studies in the United States will be of help to Canada as they contribute directly to developing an informed, sustained interest in our country among current and future leadership groups in other countries."

The first recipient of the award is expected to be announced at the ICCS's International Symposium on Canada, to be held at the University of British Columbia from June 1 to 3, 1983.

Further information on the award may be obtained by writing to the International Council for Canadian Studies, 1750 Finch Avenue, East, Willowdale, Ontario, Canada M2J 2X5.

## Baseball Hall of Fame

The formation of a Canadian Baseball Hall of Fame and Museum in Toronto, to honour people connected with 150 years of baseball in the country, was announced recently by a group of businessmen and baseball devotees.

The hall will be temporarily located in Toronto's Canadian Sports Hall of Fame but officials hope to move to a permanent site within a year. The first vote on inductions is expected to be in January 1983 with an induction ceremony slated for next spring.

President of the group Bruce Prentice said the hall was established "to honour Canadians and any others who have contributed to baseball in the nation and to preserve the history and artifacts of the sport".

Initially, the hall will induct a maximum of three players and two builders each year. They will be picked by a selection committee headed by Toronto sportscaster Fergie Oliver, a former minor league player. The committee will also welcome suggestions from fans and has a contingency plan to print special ballots to encourage fans to take part in the nomination process.

Players will be admitted three years after their induction except in the case of "a particularly outstanding achievement that warrants special recognition".

There have been 143 Canadians who have played major league baseball, which will give the founders no trouble finding Canadian major leaguers to honour. Among those who will be considered are:

Ferguson Jenkins, the Chatham, Ontario hurler who has compiled 278 major league wins; Goodie Rosen who played with the Brooklyn Dodgers in the 1940s and once hit .300; and John Hiller who was one of the dominant relief pitchers of the early 1970s and the 1973 comeback player of the year.

There have been 62 Canadian pitchers in the majors, 30 outfielders, eight first basemen, 11 second basemen, eight shortstops and three third basemen.

## Soviet Minister of Agriculture concludes 11-day visit to Canada

Agriculture Minister Eugene Whelan and Minister of Agriculture for the Soviet Union Valentin Mesyats wound up discussions in Ottawa on October 28.

Mr. Mesyats had been in Canada with a Soviet delegation for an 11-day visit at the invitation of Mr. Whelan. They attended the first session of the Mixed Canadian-Soviet Commission on Co-operation in Agriculture and visited major agricultural areas of the country.

The Mixed Commission was established by an agreement on agricultural co-operation signed mutually last year.

Both sides reviewed progress of exchanges which have taken place since the signing of the agreement. The rules of procedures for the Commission were discussed and approved. As well, the representatives of the two countries approved a long-term program of agricultural co-operation and exchange of agricultural specialists in 1983-84.

They agreed that co-operative research would concentrate on seed crops, plant pest control, animal pest and

Among those who may be included who have contributed to baseball but have not played in the major league are: Nellie McLung, a firebrand champion of women's rights, who was a regular with Manitoba's Prairie Socials, a predominantly male squad, during the 1880s; and Dummy Jackson who played in the Cape Breton Collier League during the 1930s when it was the "C" league of the minor league baseball system and composed almost entirely of Americans.

disease control, dairy and beef cattle breeding, agricultural mechanization and storage techniques.

The two ministers signed a protocol reporting on the results of the first session. "The session was very constructive and I look forward to future meetings," said Mr. Whelan.

While in Canada, Mr. Mesyats visited southern Ontario, accompanied by Mr. Whelan, to meet with Canadian companies interested in exporting agricultural products to the Soviet Union. He also toured the wine-producing area of the Niagara Peninsula and agricultural facilities near Windsor, Ontario. In Saskatchewan and Alberta, Mr. Mesyats' visit included several large beef and grain farms and Agriculture Canada's Lethbridge Research Station in Alberta. Mr. Mesyats also had the opportunity to meet with Senator Hazen Argue to discuss the grain trade between Canada and the Soviet Union.

The Soviet delegation concluded its visit with a tour of farms and agricultural facilities in the Montreal area.



Soviet Agriculture Minister Valentin Mesyats (left) and Canadian Agriculture Minister Eugene Whelan sign co-operation protocol.

## Exhibition traces the lifestyles of Canadian women from 1870-1940



Women in Canada exhibition shows girl hockey players from Manitoulin Island, Ontario.

The National Library of Canada and the Public Archives of Canada are presenting an exhibition on women in Canada during the years 1870-1940.

The exhibition, entitled *The Widening Sphere: Women in Canada 1870-1940*, will be on display in Ottawa until January 4. The items included follow the life cycle of a woman who is born in 1870, passes her childhood and adolescence in the 1870s and 1880s, enters adulthood in the 1890s and reaches middle age in the 1920s. They also present a sampling of the diverse experiences of Canadian women of many classes and ethnic backgrounds and range from letters written by immigrant pauper girls to the wedding book of a middle-class bride; from the confessions of a farm wife who murdered her cruel husband to the journal of artist Emily Carr.

"There was an abundant selection of private records and minute books of women's benevolent and political organizations," said J. L'Espérance, an archivist with the picture division of the Public Archives, "however, it was the discovery of records relating to women in our federal archives which placed the greatest demands on the ingenuity of those involved in co-ordinating the exhibition." One of these discoveries was a file docu-

menting an investigation by the Civil Service Commission to establish how many married women were working in the government contrary to the Civil Service regulations, which demanded their resignation upon marriage. At the same time as the exhibition, the Public Archives is also presenting a series of 85 French- and English-language films directed or produced by Canadian women.



Over the past 40 years, Canadian women film-makers have created many fine films, achieved commendable results in form and content, and have received national and international recognition.

## Canada at Italian festival

Canadian music and architecture were highlighted at a three-week festival in L'Aquila, Italy from August 21 to September 12.

It was the first time in the 36-year history of the festival that a single country was featured.

The Ottawa Choral Society, with musical director Brian Law presented three concerts including a gala opening performance of Handel's *Messiah* with Orchestra London. The Canadian composers who were featured at the festival were Healey Willan, Howard Cable and Paul Halley.

### Participating artists

Among the other artists who appeared were: National Ballet dancers Veronica Tennant, Sabina Alleman, Kevin Pugh, David Nixon, Amalia Schelhorn, Raymond Smith and Constantin Patsalas; singers Christopher Cameron, Mark DuBois, Frances Ginzer and Janice Taylor; conductors Ermanno Florio, Alexis Hauser and Harvey Sachs; the Danny Grossman Dance Company; Lampoon Puppet-theatre; the Orford String Quartet; pianists Gloria Saarinén and Robert Silverman; mime Claude St. Denis; and cellist Shauna Rolston.

As part of the architectural exhibit at the festival, display models of Canadian performing facilities, were shown including the National Arts Centre in Ottawa, the Shaw Festival Theatre in Niagara, and Roy Thompson Hall in Toronto.

## News briefs

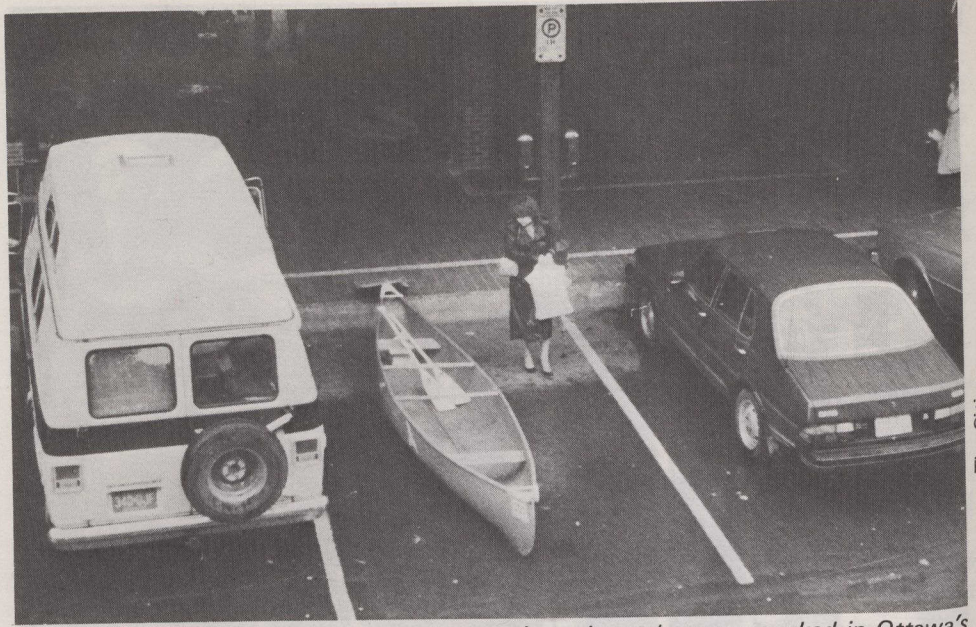
**Dwight W. Fulford**, 51, has been appointed ambassador to Saudi Arabia, with concurrent accreditation to the Yemen Arab Republic. He replaces Jacques Roy who has taken up a new assignment in Washington. Mr. Fulford, originally from Brockville, Ontario, joined the Department of External Affairs in 1955 and has served abroad in Buenos Aires, Havana and Mexico City. Since 1978 he has been ambassador to Argentina and concurrently to Paraguay and Uruguay.

The Housing and Urban Development Association of Canada (HUDAC) expects that there will be some 150 000 housing starts in Canada next year. HUDAC's economic research committee said that lower interest rates should level off soon and bring a return of consumer confidence. The association also welcomed the extension of the \$3 000-federal grants to buyers of new homes to April 30.

**Cliff Lumsdon** of Toronto, winner of five world marathon swimming titles, was invested with the Order of Canada in a Government House ceremony on October 20. He won his first title in 1949 by beating a field of 70 in the 51-kilometre Canadian National Exhibition swim. In the mid-1950s, he won the Atlantic City (41-kilometre) marathon and became the first to conquer the Straits of Juan de Fuca. In addition to his past athletic feats, the Order of Canada was awarded to Mr. Lumsdon for his work with handicapped children as he devotes countless hours teaching them to swim.

The Export Development Corporation signed a \$6.3-million (US) financing agreement, which is guaranteed by the Bank of Nova Scotia, to support a sale by Northern Telecom International Limited to the Barbados Telephone Company, Limited of St. Michael, Barbados. The sale involves the supply of local and remote digital switching equipment, related transmission facilities and various analog switching systems which will be integrated into the Barbados Telephone Company's existing telephone network.

**RMS Industrial Controls Incorporated** of Port Moody, British Columbia has been awarded a contract to supply monitoring units for advanced light rapid transit vehicles being built for three North American cities. The company will supply up to 200 units to monitor the conditions of electronic sub-systems aboard rapid transit vehicles in Toronto, Detroit and Vancouver.



*Like many passers-by, this woman seems curious about the canoe parked in Ottawa's Byward Market. It was being sold by three Swiss tourists who were sheltered from the rain in the van, awaiting buyers.*

Paul Latour, The Citizen

The Department of Health and Welfare is considering major changes to Canada's prescription drug control system, beginning sometime next spring. Two proposals being discussed are: a new drug safety evaluation method and a better post-marketing surveillance system to monitor new and possibly harmful drugs.

**Canada Career Week**, November 1-7, was co-sponsored by the University and College Placement Association along with the Canadian Guidance and Counselling Association. It featured career planning activities in elementary, secondary and post-secondary educational institutions. There was also stepped-up activity at Canada Employment Centres and in community organizations.

**Simon Reisman** has been appointed chief federal negotiator on the land claim of the Committee for Original Peoples' Entitlement (COPE) in the western Arctic region. Mr. Reisman is a well-known economist and a former federal Deputy Minister of Finance. He succeeds Senator David Stewart in the position. During his 30 years of public service, in addition to being a Deputy Minister of Finance, Mr. Reisman held various executive positions including those of Treasury Board Secretary and Deputy Minister of Industry, where he was principal negotiator of the Canada-US Automotive Agreement of 1964. Mr. Reisman is also an Officer of the Order of Canada and in 1974 received the Governor General's Outstanding Public Service Award.

**Westeel-Rosco Limited** of Toronto has sold four commercial grain bins, each 12.8 metres in diameter, to National Flour Mills Limited of Trinidad. The sale by the company's agricultural division, was for a total of \$128 400 (US). Westeel will also supply engineering services for the erection of the bins.

**Jean-Luc Forest**, 15, of St. Boniface, Manitoba recently won the Wheaties World Junior Frisbee Disc Championship in Dallas. He threw a frisbee 107 metres to establish a Cotton Bowl record but he did not break his own Canadian junior record set in Toronto at 109 metres. He also won the maximum time class, keeping his frisbee in the air 8.4 seconds. Another Canadian competitor, Bill Eisenhauer of Bridgewater, Nova Scotia was sixth in the world competition.


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