

Canada Weekly

Ottawa
Canada

Volume 12, No. 12
March 21, 1984

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Prime Minister Trudeau announces resignation



The Citizen

After more than 15 years as leader of Canada's Liberal Party, Prime Minister Pierre Trudeau announces his intention to resign.

On February 29, 1984 Prime Minister Trudeau announced his decision to resign as leader of the Liberal Party, a position he has held for more than 15 years, with the exception of a short period in 1979.

In a letter to Iona Campagnolo, president of the Liberal Party of Canada, he spoke of the leadership of his party as being "one of the joys of my life" and agreed to continue to serve until a successor is chosen at the leadership convention to be held in Ottawa in June.

In the House of Commons, politicians from all parties lauded Mr. Trudeau's achievements and described his career as "extraordinary". Brian Mulroney, leader of the Conservative opposition said history will remember Mr. Trudeau as "a strong leader and an honourable man who cared for his country, saw its future threatened and sought to make it right. When he leaves this Chamber," he added, "he will do so with the scars of vigorous, democratic debate and the memories of hopes

dashed and dreams fulfilled. He will leave with honour unsullied and with the warmest good wishes of all".

Prime Minister's career

Following the Prime Minister's announcement of his resignation, *The Toronto Star*, the country's top circulation newspaper, examined Mr. Trudeau's career in the following editorial:

"Long after our current political problems and frustrations have been forgotten, Pierre Elliott Trudeau will be remembered as a towering figure in Canada's history.

"He indelibly made his mark on our future by accomplishing the main goal he had set out for himself in politics: 'To make sure that Quebec wouldn't leave Canada through separatism, and to make sure that Canada wouldn't shove Quebec out through narrowmindedness.'

"He did this not only through his decisive defeat of the separatist forces in the Quebec referendum battle of May

1980, but by earlier having created the conditions that made that battle winnable.

"He gave French Canadians a more equal and genuine role in the governance of the nation by appointing them to key Cabinet posts that had previously been closed to them, and by increasing the proportion of francophones in the top echelons of the civil service from insignificant levels in the 1960s to nearly 20 per cent.

"And, through the Official Languages Act, he enabled French-speaking Canadians to deal with their national government and its agencies on the same basis as English-speaking Canadians — that is, in their own language.

"These measures enraged some elements in English Canada, especially in the West, and he at times lacked political deftness in dealing with the backlash. But had he not successfully insisted on doing what was necessary to demonstrate to French-speaking Canadians that all of Canada — not just Quebec — was genuinely their home, we quite literally would not have a country by now.

"Even if the preservation of national



"The experience of being leader of our great Party has been one of the joys of my life...."

Following is the text of the letter which Prime Minister Trudeau sent to Iona Campagnolo, president of the Liberal Party of Canada:

I wish to inform you of my decision to resign from the leadership of the Liberal Party. The experience of being Leader of our great party has been one of the joys of my life but I now feel this is the appropriate time for someone else to assume this challenge.

I want to thank each and every member of the Liberal Party for the support, loyalty and friendship I have enjoyed. I will always be deeply grateful to the Liberal Party for giving me the opportunity to serve my country.

I would like to ask you, as president of the Liberal Party of Canada, to take all necessary steps to arrange a national convention at an appropriate time and place. Until that convention has chosen by successor I will, of course, continue to serve as leader of the Party.

Following is the partial text of a letter from Iona Campagnolo, president of the Liberal Party of Canada, addressed to Prime Minister Trudeau:

Your leadership of the Liberal Party has been one of outstanding accomplishment for Canada and for Liberalism. The historic Official Languages Act and the patriation of our nation's Constitution with its entrenchment of a charter of rights and freedoms assures every Canadian a lasting legacy of liberty and personal freedom to choose his life's destiny. The many triumphs of your years as Prime Minister will soon become the inevitable stuff of history.

As one who has worked, for a time, at your side, both in the caucus and your Cabinet, I know that I speak for every member of our party when I say that we have an immense sense of pride and accomplishment in the momentous years in which you have been our outstanding leader.

If there have been some ignoble circumstances of our tumultuous times, you have transcended them; and as one of your favourite philosophers Lao-Tze has said: "But of the best of leaders, when their task is accomplished and their work is done, the people all remark: 'We have done it ourselves.'"

Canada is more a just and civil nation because you have led us to seek ever more excellence in ourselves.

unity had been Mr. Trudeau's only major accomplishment, posterity would have been in his debt. But he accomplished much more.

New Constitution

"He has given us a new, made-in-Canada Constitution, with a charter of rights that for the first time enshrines firmly in law the rights and liberties we have always taken for granted.

"He served as an impressive and respected spokesman for Canada's interests in the international arena. Most recently, his peace initiative provided a desperately-needed voice of sanity at a time when growing tensions between the US and the Soviet Union were pushing the world toward the brink of disaster. Earlier, he established diplomatic links with China, thawed our relationship with the Soviet Union, forged closer ties with Latin America and the countries of the Pacific Rim, and asserted Canada's sovereignty over the Arctic.

"Though he never fully got a grip on the problem of foreign domination of our economy, he took two important steps forward in this vital area: the Foreign Investment Review Agency and the National Energy Policy which has increased Canadian control over one of our most vital resources.

Innovative appointments

"His innovative appointments to key posts reflected his commitment to equality of opportunity for all Canadians: the first Jewish chief justice of Canada, the first governor general of neither English nor French heritage, the first female governor general, the first female lieutenant-governor of a province, the first native Indian lieutenant-governor, the first native Indian in a federal Cabinet.

"In recent months, much of the public's attention has focussed on Mr. Trudeau's weaknesses, chiefly his generally lacklustre performance as an economic manager, and the growing atmosphere of cynicism that seemed to permeate his government.

"But what we and future generations will recall much longer is a leader of shimmering intellect and fundamental generosity of spirit, who governed intelligently in difficult times; a man of real quality and substance, who always sought to challenge himself and us to excellence; and a consistent advocate of tolerance, understanding, sharing, and respect for the human person. We owe him much."

The Trudeau years at a glance



Turkish company to use Canadian technology

Canadian west coast tug and barge transportation technology has been introduced into the Mediterranean area, where a Turkish company recently completed the sea trials of a system to be used later this year in the coastal forestry industry.

Seka Adneiz Muesse-sisi, a Turkish government agency, will use a tug and three barges to carry logs from Antalya to a new Canadian-designed pulp and saw mill at Tasucu, a distance of about 180 nautical miles, according to Gordon Passmore,

senior naval architect with Peter S. Hatfield Ltd., the Vancouver, British Columbia company commissioned to design the marine system. This company is well known for the design of marine transportation systems carrying a variety of commodities, as well as vessels and equipment used for offshore oil and gas exploration.

The tug and barges were built by the Sedef Gemi Endustrisi AS shipyard at Gebze, about 60 kilometres east of Istanbul. When the system is in full operation, annual capacity will be about 350 000 cubic metres of logs.

Powered by two 850-horsepower diesel engines, and with a crew of nine housed in air conditioned quarters, the tug will normally tow only one barge, but it may be required to pull the entire fleet at times.

Cargo on the all-welded steel barges is carried on deck, retained by high, externally stiffened, steel boxes. Full-width stern doors can be raised or lowered hydraulically in less than five minutes. Until now, Turkey has relied almost exclusively on small ships of up to about 6 000 deadweight tonnes for coastal work.



Tug built for Turkish coastal forest industry is powered by two 850-horsepower engines and carries a crew of nine.

US stamp of approval to Canadian canola oil

Canola, a Canadian crop that has made its way from the farms of western producers and into cooking oil in Canadian homes, has crossed a hurdle that could put it into more kitchens throughout the globe.

After five years of study, the United States Food and Drug Administration has agreed to give Canadian canola oil a stamp of approval for use in food products ranging from frozen french fries to cake mixes and margarine.

The announcement was made last month by Paul Robinson, the US ambassador to Canada.

Oil crushed from canola, the name given to improved Canadian varieties of rapeseed, has been approved for use in foods in Canada for years.

The first canola variety was licenced

for use in Canada in 1968 and was quickly dubbed the Cinderella crop for its quick rise to prominence on prairie farms. Oilseed now ranks in importance behind only wheat and barley.

However, the only major foreign customer for canola seed has been Japan, which accounts for about 90 per cent of all canola seed exports. India and Algeria are the largest canola oil importers.

The concern in some countries has been over a fatty ingredient called erucic acid that is contained in rapeseed and has been linked with heart problems in rats.

Dale Adolphe, market development co-ordinator of the Canola Council of Canada, said western farmers and canola processors will now be able to export into the United States.

Computer aids marine radar system

Researchers at McGill University in Montreal have developed a new marine radar system which they hope will become valuable aboard large ships, super-tankers, and even on offshore oil drilling platforms throughout the world, reports *The Globe and Mail*.

Geoffrey Austin, a physics professor and director of the McGill University Weather Radar Observatory in Ste. Anne de Bellevue, west of Montreal, and colleagues Ernest Ballantyne and Mike Riley have brought high-speed computer processing imagery, used for years now in weather and air traffic control radars, to marine radar.

Radar signals

When water becomes rough, radar signals returned by waves are different from one moment to the next because of constant wave movement. These waves cause "sea clutter" on the screen of a conventional radar system, and the fading images become a problem for users because "they can't see the targets they're looking for", Mr. Austin said.

Another problem with a conventional marine radar system is that its antenna turns 360 degrees every two seconds, yielding a large amount of information — not all useful — which can be sent by shore-based radar vessel traffic management centres to another location only by using an expensive microwave communication link.

Stores radar pictures

The McGill group has solved the problems by using a 16-bit microcomputer to store sequential radar pictures in memory. "In two seconds the waves have moved, but the targets won't have and a ship won't have significantly moved," Mr. Austin said.

Thus, instead of producing the instantaneous fading image like a conventional radar, the computer both eliminates sea clutter and displays a non-fading colour radar picture on a video screen, making targets much more easy to pick out.

The computer also reduces the amount of information that needs to be recorded and displayed — enough so that a relatively low-cost telephone line can be used for communications instead of the microwave link.

The radar system can also be used aboard ships for automatic navigation through harbours and seaways such as the St. Lawrence.

Newsprint output rises

Canadian newsprint production continued its recovery in January, as shipments to the United States, Canada's largest newsprint market, grew by 16.4 per cent from 1983 levels.

The Canadian Pulp and Paper Association said output by the country's newsprint mills was 757 000 tonnes, up 10.5 per cent from 685 000 tonnes a year earlier and 12.5 per cent higher than the 673 000 tonnes produced in December.

Canadian mills operated at 93 per cent of capacity in January, compared with 85 per cent in December.

Five-country international teleconference symposium

Eric McLuhan, communications consultant and professor, will be the keynote speaker at the world's first International Teleconference Symposium (ITS '84) which is being held at the Hilton Harbour Castle Hotel in Toronto



Eric McLuhan

on April 3, 4 and 5, 1984. Eric McLuhan, the son of Marshall McLuhan, the late Canadian media philosopher and literary scholar, will speak on "Teleconference Culture and the Global Corporate Village".

Other speakers participating in the conference include Jean-Claude Delorme, president and chief executive officer of Teleglobe Canada, who will address the five-site live world teleconference session, and well-known Canadian humorist David Broadfoot, who will address delegates at the dinner.

Second Canadian arm for the US space shuttle

Spar Aerospace Ltd. of Toronto is completing a design study of a shorter, simpler version of the remote manipulator Canadarm for use on the US space shuttle, reports Lydia Dotto in *The Globe and Mail*.

The device, known as the Handling and Positioning Aid (HPA), is designed to be used, along with the existing remote manipulator system (RMS), for serving and repairing satellites and other space systems and, in future, for space construction projects.

The HPA will be about seven metres

long and will have shoulder and wrist joints and a computer control system similar to those on the RMS; however, it will lack the RMS elbow joint and will have only two instead of three degrees of freedom of movement in the wrist.

It is designed to fit along the starboard side of the space shuttle's cargo hold, with the RMS on the port side.

The HPA, which has the same "end effector" (grappling device) as the RMS, will hold payloads firmly in position and tilt or rotate them, providing better access for inspection and repair or replacement of components, either by the RMS or by astronauts working outside the shuttle.

The HPA project is just one element in Spar's continuing study of the ways in which advanced RMS technology might be used in the future, not only on the shuttle, but on other space transportation systems and the permanent space station now being planned by the US National Aeronautics and Space Administration (NASA).

If approval is given this spring, a flight system could be delivered by early 1986, said Brian Fuller, Spar's marketing manager for space RMS systems.

Funding for the project was provided as part of the original agreement between Canada and the United States, under which the Canadian government, through the National Research Council, paid about \$110 million for development of the first RMS, the Canadarm.

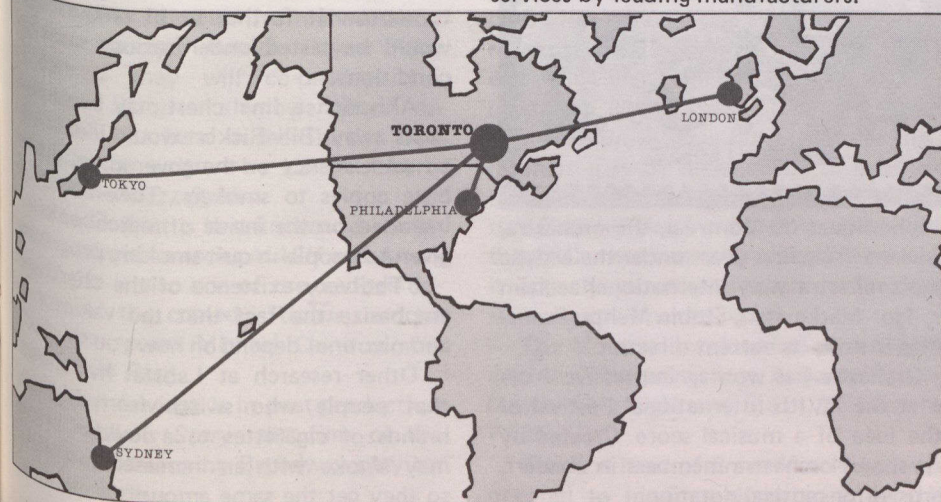
This system consists of two manipulators each. But, to date, NASA has purchased only three full RMS systems under a \$74-million contract with Spar. As a result, some of this "shortfall" money was earmarked for the HPA design study. An earlier NASA study termed the HAP concept an important new system for the shuttle.

There are various ways in which the HPA could be used. For example, the RMS could be used to grapple a malfunctioning satellite and transfer it to the HPA to hold, while repairs are made or components are replaced.

These tasks might be done remotely by the RMS, controlled by astronauts inside the shuttle. Or the astronauts might go outside to do the work, using either the free-flying manned manoeuvring unit backpack (MMU) or the manipulator foot restraint (MFR), both of which were first tested on the last shuttle flight.

ITS '84 is the first user-oriented symposium to focus on the applications and benefits of teleconferencing. Hosted in Canada by Teleglobe Canada, the symposium will be conducted concurrently at five international sites: Sydney, Australia; Tokyo, Japan; London, England; Philadelphia, USA; and Toronto, Canada. The symposium will feature daily live fully-interactive teleconferenced sessions linking the various sites via the Intelsat satellite system.

ITS '84 will allow actual and potential business users of teleconferencing to evaluate the latest developments in teleconferencing services, equipment and networks in Canada and world-wide. Presentations by the industry's leading experts will include "Teleconferencing Benefits - Cost Savings and Applications" and "The Impact of Teleconferencing on Corporate Communications". The symposium will also feature exhibits and demonstrations of the latest equipment and services by leading manufacturers.



Spray-gun saves sloppy slip-ups



The Aerosol Spray-Gun snaps easily onto any aerosol spray can.

A new product designed to fight the inconveniences of using aerosol containers has been devised by a Toronto-area company.

The Aerosol Spray-Gun is a hand-held, portable tool that snaps easily onto any aerosol spray can, turning it into a professional spray gun. A gentle squeeze on the trigger is all that is needed to direct a continuous even spray over any surface. There are no lengthy preparations and no messy clean-ups.

The Spray-Gun is available for \$2.50 (plus \$1 postage) from Howard Ross Group Inc., 2108 Lakeshore Rd., Burlington, Ontario, Canada L7R 1A3.

Video game nominated for awards

A caveman on a stone wheel is paving the road to success for the games and graphics division of Vancouver's Sydney Development Corp. in British Columbia.

B.C.'s Quest for Tires, a video game produced by Sydney and based on Johnny Hart's internationally syndicated *B.C.* comic strip, has received two nominations for the "academy awards" of the US video game industry.

The Computer Software-Video Game Awards are sponsored by *Billboard* magazine. Nominees in four of the nine award categories were chosen by computer software retailers.

Quest for Tires has been nominated for best use of graphics and sound for a video game, and best packaging and in-store promotion on a video game title.

Quest for Tires chronicles the adventures of *B.C.* character Thor the caveman, whose trademark is his stone unicycle. Players have to make Thor dodge rocks, leap lava pits and cross serpent-filled rivers to rescue his ladylove from a hungry dinosaur.

Quest for Tires took eight months and \$250 000 to develop at Sydney's games division, located in Ottawa. It hit US stores last October, and versions are available for ColecoVision, Atari, Apple, IBM-PC and Commodore 64.

Sydney has North American cartridge and disc rights to *B.C.* and *The Wizard of Id*, another Johnny Hart strip.

Colour coded smoke poison

Thanks to a new colour-coding system being developed by researchers at a laboratory in Kitchener, Ontario, smokers will be able to tell how much tar and nicotine they have drawn from a cigarette every time they butt one out.

Matching a used cigarette filter with the appropriate hue on a coded chart would indicate at a glance how much of the harmful materials have passed through the filter and into the smoker's lungs.

The charts would differ to account for the strengths of various brands, said Bill Rickert, a biochemist and president of Labstat Inc.

He said the charts would also be a more accurate indicator of tar and nicotine actually absorbed than the readings given on cigarette packages, which do not take account of how strongly the smoke is inhaled.

The code colours generally change with the amount of tar and nicotine in tobacco, how strongly the smoke is inhaled and how much smoke goes through the filter, said project coordinator Liz Lawless.

Someone who smokes a cigarette right to the butt would produce a darker filter than the person who leaves the cigarette in the ashtray most of the time.

Both may smoke a pack a day of the same brand but their tar and nicotine intake would be drastically different, said Liz Lawless. Reading the numbers on the side of the package is not going to give them any indication of how their own smoking style affects the intake of harmful substances.

Using filters from ten brands of cigarette, laboratory volunteers have narrowed the colour coding from about 100 possibilities to 19. The laboratory hopes to narrow it further to 11 colours that would be tested under various smoking conditions.

Although a final chart may be several years away, Bill Rickert would like to see a health agency or the government distribute copies to smokers. They could be included on the inside of matchbooks or given to people in quit-smoking programs.

"The very existence of the chart will emphasize the fact that the values (tar and nicotine) depend on how you smoke."

Other research at Labstat has shown that people who switch from high-tar brands of cigarettes to a low-tar brand may smoke with an increased intensity, so they get the same amount of nicotine.

Stamp marks Montreal Symphony Orchestra anniversary

The Montreal Symphony Orchestra, which celebrates its fiftieth anniversary this year, is the subject of a new 32-cent stamp to be issued March 23.

The occasion will be marked by a special ceremony to be held March 24 at Mirabel international airport immediately prior to the orchestra's departure on its sixth international concert tour to Switzerland, the Federal Republic of Germany, France and Britain.

First known as the Société des Concerts symphoniques de Montréal, the orchestra, founded in 1934 in the east end of Montreal, ushered in its first years under the artistic direction of Wilfrid Pelletier. Over the years the orchestra won international acclaim under directors Désiré Defauw, Otto Klemperer, Igor Markevitch, Zubin Mehta, Franz-Paul Decker, Rafael Frübeck de Burgos and Charles Dutoit, its current director.

Since its founding, the Montreal Symphony Orchestra has won an impressive array of top musical awards including the Palme d'or at the XVIth International Festival of Prague. The design on the stamp is built on the idea of a musical score. Created by Pierre Kohler and Jacques Delisle of Montreal, it shows orchestra members in concert, interspersed like notes amongst the five-line staff used for musical notation.



New television film salutes spirit and independence of seniors



National Film Board of Canada

Award-winning filmmaker Donald Brittain (left) and Lenore Gnaedinger on the set of the film *Something to Celebrate*.

A new National Film Board-Canadian Broadcasting Corporation co-production, premièred recently on CBC television, sets out to prove that life does not necessarily slow down after the age of 60.

Something to Celebrate, directed by award-winning filmmaker Donald Brittain, is about 14 people, the youngest of whom is 71, the oldest, 92. From Betty Brett, who celebrated her seventy-second birthday by riding in a hot-air balloon, to Bill Oliver, a fraud artist who retired to become an honest man at the age of 74, they are all individuals with a passion for life and a fierce sense of independence.

Perpetually young in spirit, they do not like to be called "senior citizens" and they do not like to be separated from the

mainstream of life. They are simply getting on with their lives.

Murray Hubbard is a shepherd in Spearville, New Brunswick with few regrets in life and an aversion to geese. Eileen Cox founded a costume shop in Vancouver, British Columbia at the age of 50. Now well into her Eighties, she is a world traveller with no plans to retire. Ninety-year-old Francis Sutton began studying Spanish when he was 60. He currently speaks ten languages and translates opera scores.

All of the men and women who appear in the film, whether retired or still working at their trades, agree that the best way to keep alive is to be intensely curious about tomorrow.

Norman Jewison plans new film

Toronto film director Norman Jewison and his associate Patrick Palmer have announced they will co-produce for Columbia Pictures a movie about an all-woman jazz band in the Thirties. The movie, to be written by Larry Gelbart, will be called *Jazz Babies*.

Larry Gelbart is best-known for creating the television series *MASH* and *After MASH*. He is also one of the credited co-authors of the comedy *Tootsie*, and he wrote the recent Michael Caine movie, *Blame It On Rio*.

Norman Jewison is in post production on *A Soldier's Story*, the film of the Pulitzer Prize-winning Broadway play by the same name.

CBC-FM all-night radio show

CBC-FM entered the new wave arena recently with a nightly six-hour music and talk show for young, trendy insomniacs.

Called *Brave New Waves*, regular CBC listeners may be taken aback to hear the likes of Lene Lovitch, Brian Eno and Culture Club wafting from their speakers, but the CBC—heedling recent suggestions that it actively pursue a younger audience—is in an experimental mood.

The Montreal-produced show is broadcast live, featuring host Augusta Lapaix between midnight and 6 a.m. Monday to Friday.

The first hour of *Brave New Waves* was devoted to music seldom heard on the

Top 40 charts, followed by interviews, more music and relaxed conversation taking advantage of Montreal's offbeat nightlife.

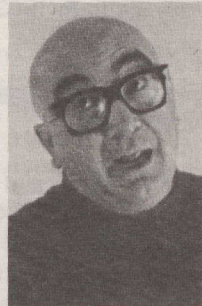
A recent internal study, *The English Radio Development Project*, was critical of the fact that the CBC programming generally ignored Canada's youth, reporting that "65 per cent of CBC Stereo listeners are over 35".

Dazzling new season for opera

The Canadian Opera Company's 1984-85 season will include the company's first staging of Wagner's *Die Meistersinger* and Stravinsky's *The Rake's Progress*, along with a production of Leonard Bernstein's *Candide* directed by Broadway's acclaimed Hal Prince.

With a record production budget of \$5.3 million and 50 performances (eight more than this season), the Canadian Opera Company package will be the biggest it has ever presented at Toronto's O'Keefe Centre.

In making the announcement, general director Lotfi Mansouri said the season will begin with Verdi's *Il Trovatore*, September 29 to October 17, followed by Puccini's *Tosca*, October 13 to 28, 1984.



Lotfi Mansouri

Leonard Bernstein's operetta *Candide*, originally staged on Broadway and recently re-worked under Hal Prince's direction for the New York City Opera, enters the Canadian Opera repertoire January 19 to February 9, 1985. The production will be conducted by Erich Kunzel, with Toronto tenor Mark DuBois in the title role.

Gounod's Faust, last produced by the company in 1974, returns January 26 to February 10, 1985 and Rossini's popular *Barber of Seville*, with Canadian Opera Ensemble alumnus Theodore Baerg in the title role.

Probably the most ambitious production of the season, Wagner's *Die Meistersinger von Nurnberg*, follows May 21 to June 2, with an expanded orchestra and chorus, stage direction by Lotfi Mansouri and musical direction by Gabor Otvos.

The season concludes with Stravinsky's *The Rake's Progress*, June 5 to 15, in a production designed by David Hockney.

Podborski retires from skiing

Steve Podborski, the last of the original five "Crazy Canucks" still skiing on the World Cup circuit, is calling it a day.

Steve Podborski, 26, who joined Canada's national ski team when he was 15, said he will pursue a career promoting ski equipment and apparel, when he retires following this season's final race at Whistler, British Columbia.

The Torontonian's eight World Cup downhill victories make him the most successful Canadian male ever to glide into the big time of skiing.

Steve Podborski was first three times at Garmisch, West Germany, twice at Kitzbühel, Austria and once each at Morzine, France, St. Moritz, Switzerland and Crans Montana, Switzerland. He has finished in the medals more than 25 times on the Cup circuit and since January 1980 has had more top-three finishes than any racer in the world.

When Steve Podborski joined the national team he was the youngest of five talented racers who came to be known as the Crazy Canucks. The others — Jim Hunter, Dave Murray, David Irwin and Ken Reed — all have retired, Reed being the last to do so, having quit in 1983.



Athlete Information Bureau

News briefs

The Queen and Prince Philip will visit New Brunswick, Ontario and Manitoba during a two-week trip to Canada that begins July 14, Prime Minister Pierre Trudeau announced recently. They will arrive in New Brunswick and stay until July 16 to participate in the province's bicentennial celebrations. They will then travel to Ottawa and other Ontario locations for several provincial bicentennial events. On July 24, they begin a visit to Manitoba, which ends July 27.

Cansult Limited of Don Mills, Ontario, consulting engineers and planners, has been appointed to undertake a feasibility study of about 60 sites in Sri Lanka and assess their potential for supporting small scale hydro-electric schemes. The study is being undertaken on behalf of the Sri Lanka State Plantations Corporation with financing largely supplied by the Canadian Project Preparation Facility through the Canadian International Development Agency.

Capsule Technology International Ltd. of Windsor, Ontario has sold a total turn-key capsule manufacturing plant to the Arab Centre for Pharmaceuticals and Chemicals of Jordan for about \$4.5 million.

A computerized signmaking and design tool from Gerber Scientific Products Inc. that generates type, symbols and custom graphics has been announced by ND Graphic Products Ltd. of Toronto. Signmaker IV contains a microprocessor system and will produce layouts, signs, screen printing stencils and presentation materials.

IBM Canada Ltd. of Markham, Ontario has announced improved models for its family of 308X large computer systems. With design and circuit packaging enhancements, internal performance has been increased 5 to 14 per cent, depending on model and operating system programs. The price of upgrading currently installed 308X processors has been reduced as much as 10 per cent.

Systems for producing presentation-quality photographic hard copy for computers have been announced by Polaroid Canada Inc. of Toronto. The Palette system makes 35 millimetre colour slides and 9.5 by 10.4-centimetre instant colour prints of personal computer graphics. The Videoprinter 8 connects to colour graphics workstations to produce hard copy in a wide range of formats from 35 millimetre to 20 by 25 centimetre prints and overhead transparencies.

Canadian Marconi Co. of Montreal

has received a \$2.5-million (US) order from Peoples Express Airlines Inc. of Newark, New Jersey, for CMA-771 Alpha Omega navigation systems and CMA-923 flight advisory computers. Canadian Marconi said the order calls for deliveries to begin in mid-1984 for installation in the airline's *Boeing 727* and *737* aircraft.

The Tokai Seiki Co. Ltd. of Japan will begin manufacturing disposable lighters in Uxbridge, Ontario in late 1984, Ontario Industry and Trade Minister Frank Miller has announced. The new plant — the first manufacturing facility of its kind in Canada — will be capable of producing up to 30 million lighters a year. The business will be known as Tokai of Canada Ltd.

The University of Victoria in British Columbia, will host an international conference on social and technological change beginning May 2. The conference theme is *The University into the 21st Century*, and is designed to provide an opportunity to examine the fundamental role of all universities in the coming decades.

CP Ships, a subsidiary of Canadian Pacific Limited, and Dartcan, a subsidiary of Compagnie maritime belge (CMB), have combined their North Atlantic interests into a new container line linking Europe and North America. Called *The Canada Line*, it is being launched with an aggressive advertising and marketing program in both Europe and North America.

Ontario Rhodes Scholar Laurence Grafstein has been elected president of the Oxford Union, the debating society at Oxford University in England. Laurence Grafstein, 23, son of Liberal Senator Jerry Grafstein, is the first Canadian to be elected president of the union in 50 years.

Canada Weekly is published by the Public Affairs Branch, Department of External Affairs, Ottawa K1A 0G2.

Material may be freely reprinted. A credit would be appreciated. Photo sources, if not shown, will be provided on request to the editor, Deborah Cowley.

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

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

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

Canada

ISSN 0384-2312