HERE is Canada's highest mountain? Which Canadian invented the snowmobile? What is Canada's oldest sport? Our largest animals on sea and land? Reflected on this two-sided poster-map is a diverse nation of vast geography and colourful history, rich in culture and achievement. You will find superlatives — the biggest, highest, longest and first — at provincial, national, and even international levels. Let this compendium of firsts and inventions spark your curiosity about our country. Now, where exactly is our highest mountain.

The earthquake with the highest loss of

The oldest rock in Canada is thought to be

life in Canadian history occurred off Burin

were drowned and extensive damage was

Acasta gneiss, found east of Great Bear Lake,

N.W.T. It is 3.96 billion years old, and part of

a large fragment of the earth's earliest crust.

The highest tide in the world, 16.1 metres,

was recorded at Burntcoat Head, N.S., in

Minas Basin on the Bay

The highest moun-

tain in Canada is Mount

ogan, Yukon, 5,959

Canada's highest

hamlet is Lake Louise,

Alta., at an elevation of

1,540 metres. The high-

opulation of less than

est small city (with a

100,000) is Kimberley,

B.C., 1,120 metres. The

highest big city (with a

population of 100,000

The highest major

at an elevation of 1,171 metres.

lake (over 100 square kilometres) in Canada

The largest waterfall in the world by volume is

Niagara Falls: averaging 2,583 cubic metres per

is Chilko Lake, B.C., 158 square kilometres

or more) is Calgary,

1,045 metres.

of Fundy.

caused by a subsequent tsunami.

Peninsula, Nfld., on Nov. 18, 1929; 29 people

## **Geographical Mosts** What's the highest waterfall in Canada? The oldest rock? The worst earthquake? Read on ...

Canada has the longest coastline in the

world, 243,792 kilometres (including the

coastlines of 52,455 islands). The biggest bay in the world measured by shoreline length is Hudson Bay. The biggest island in Canada is Baffin Island, 507,451 square kilometres. The

largest island in a freshwater lake in the world is Manitoulin Island in Lake Huron, 2,765 square kilometres. The biggest lake in Canada is the Canadian

portion of Lake Huron, 36,000 square kilometres (out of 59,600 square kilometres total). The five Great Lakes form the largest body of fresh water in the world. The largest of the Great Lakes, and the largest freshwater lake in the world, is Lake Superior, 82,100 square kilometres, of which 28,700 square kilometres are in Canada. The St. Lawrence Seaway-Great Lakes Waterway, completed in 1959, is the world's longest inland waterway open to ocean shipping, 3,790 kilometres from Anticosti Island to the head of Lake Superior.



## The northernmost civilian community in Canada is Grise Fiord on Ellesmere Island. N.W.T., at 76°35'N 83°14'W.

The largest lake wholly in Canada is Great Bear Lake, N.W.T., 31,328 square kilometres. The deepest lake in Canada is Great Slave Lake, 614 metres. The largest lake in the world that drains naturally in two directions is Wollaston Lake,

Sask., 2,681 square kilometres; one outlet flows northwest into the Mackenzie River basin, another northeast, then east into the Hudson Bay basin. The highest waterfall in

Canada is Della Falls, B.C.,

with a 440-metre vertical drop The world's largest sand bar dunes in the mouth of a freshwater bay are found at Sandbanks Provincial Park, Prince Edward County, Ont. They are up to eight kilometres long.

The largest non-polar ice field in the world is shared by the Yukon and Alaska: 40,570 square kilometres (16,900 square kilometres within Canada), believed to be up to 700 metres deep, with glacial fingers in the

valleys up to 30 kilometres long.

Islands of British Columbia, Aug. 22, 1949,

with a surface wave magnitude of 8.1.

second over the Canadian, or Horseshoe, Falls and The largest wetland in the world is the 233 cubic metres per second over the American Hudson Bay Lowlands, approximately Falls. Niagara's vertical drop is 55 metres, just one-300,000 square kilometres. eighth that of Canada's highest waterfall, Della Falls, The most severe earthquake recorded in B.C., which measures 440 metres. Canada occurred off the Queen Charlotte

**Getting the Message** For more than 250 years, Canadians have pioneered in all branches of communications ...

The first newspaper in Canada was the Halifax Gazette in 1752. The first bilingual paper was the Quebec Gazette/La Gazette de Québec in 1766.

newspaper in North America was La Gazette du commerce et littéraire, begun in Montreal in 1778; it ceased publication after a year, but started up again in 1785 as an English-language paper, and is still going today as the Montreal Gazette, making it the oldest continuously operating newspaper in Canada. The first black newspaper-

woman in North America was

the *Provincial Freedman* in

ontreal Star, in 1888.

Mary Ann Shadd, who operated

arliamentary newspaper correspondent, for the

The first submarine telegraph cable in North

America was laid by Frederick N. Gisborne between

New Brunswick and Prince Edward Island in 1852;

Canada's first stamp, designed by Sandford Fleming and featuring a first post-Confederation stamp. with a picture of Queen Victoria, Windsor, Ont., beginning in 1853. was issued in 1868. A formal Half-tone reproduction of pho-

tographs was invented by Georges- the 1860s. Édouard Desbarats and William The flat disc for recordings was devised by Leggo, and printed in The Canadian Illustrated Emile Berliner in Montreal in 1894; the Berliner News in Montreal in 1869. Gramophone Company was the first to manufac-Sara Jeannette Duncan was the first woman ture sound recordings in Canada.

The first commercial radio station in the world was XWA Montreal (later CFCF, now CIQC), on Artist Joe Shuster of Toronto created the comic the air since 1919. The first French-language radio book hero, Superman, with Jerome Siegel in 1938. station in Canada was CKAC, Montreal, on the air since 1922. The alternating-current radio vacuum tube was invented by E. S. (Ted) Rogers of Toronto The first electric telegraph message sent in Canada in 1925; this led to radios that plug into housewas between Toronto and Hamilton, Ont., in 1846. hold electric sockets. He also began the first bat-

Fairweather Mountain, B.C

Cypress Hills, Sask.

(49°33'N 109°59'W)

1,392 metres

demonstrated in Charlotte

town, P.E.I., in 1846. The

first oil company in North

America was founded by

Charles and Henry Tripp,

at Oil Springs, Ont., in

1852; the Tripp brothers

North America to market

asphalt, in 1854. The first

were also the first in

oil pipeline in North

Ontario from Petrolia to

America was built in

Sarnia in the 1860s.

Unnamed hill, P.E.I.

teryless radio broadcasting station, CFRB (the RB

being for Rogers batteryless), on the air in Toronto

in 1948. The longest submarine

telephone cable in the world is

cable from Vancouver to Brisbane,

Australia, completed in the 1960s.

the 15,629-kilometre ANZCAN

he also engineered the first link since 1927. The first trans-Canada radio between Cape Breton and Newfoundbroadcast, to celebrate the Diamond Jubilee of Confederation, was in 1927; land in 1856, and Newfoundland and Ireland in 1858. The first telegraph line the signal was carried by telephone across Canada was along the Canadian and telegraph wires from Vancouver Pacific Railway, completed in 1885. A highspeed Morse code printer was devised by The wirephoto machine was Frederick Creed, a native of Mill Village, N.S., invented by Winnipegger about 1895. And the first transatlantic radio tele-

William Stephenson in 1921. graphic message was received by Guglielmo The first television pictures Marconi on Signal Hill, St. John's, in Canada were broadcast in Nfld., in 1901. Two-way transatthe summer of 1932, using lantic voice radio transmission the CKAC radio transmitwas achieved in 1906 by Reginald ter in Montreal. The Fessenden of Milton-Est, Que. The first TV station in first long-distance telephone calls Canada was CBFT were made by Alexander Graham Montreal; it began Bell between the Ontario commubroadcasting on nities of Mount Pleasant and Brantford, and Brantford and Paris, in 1876. The world's first commercial microwave relay system was installed between Nova The first non-Scotia and Prince Edward Island

U.S., non-Soviet satellite was the Canadian Alouette 1. launched in 1962. The first geostationary domestic communications satellite in the world was the Canadian Anik-A1, in 1972. The world's first domestic satellite system was Telesat Canada, created for broadcasting and telephone services in 1973.

optics telecommunications network was the 3,268-

kilometre system created by SaskTel in

Saskatchewan in 1982.

1967 by Ontarians Graeme Ferguson, Roman Kroitor and Robert Kerr, uses the largest film frame (70 millimetres) in motion picture history to project a giant screen image; the first permanent IMAX heatre was at Ontario Place in Toronto. The world's largest publicly attended film festival is the Festival of Festivals in The world's first dual-band oronto, begun in 1976. commercial communications satellite was the Canadian Anik-B, launched in 1979. The world's first commercial fibre

Launched in 1976, Hermes, an experimental Canadian satellite, was the world's first to be used for broadcasting television signals to homes.

The panoramic camera was patented by John

used by amateur photographers for years.

Connon of Elora, Ont., in 1887. A portable film-

developing system was devised by Arthur McCurdy

of Baddeck, N.S., in 1890; the patent was sold to

Eastman Kodak in 1903 and the device was widely

The first kiss in movie history occurred in 1896

when May Irwin of Whitby, Ont., kissed a man in

the short film, The Kiss. The first advertising film

ever made, promoting opportunities and land on

the Prairies to potential emigrants in Great Britain

America was the Montreal Ouimetoscope, built by

Léo-Ernest Ouimet in 1907. The top movie star of

Sweetheart") was Mary Pickford, born Gladys Smith

Robert Flaherty in 1922. The first Academy Award

for a documentary film was won by the National

Film Board of Canada for Churchill's Island in

1941; the board's Norman McLaren pioneered

various animation techniques. The first drive-in

Stoney Creek, Ont., in 1946. IMAX, invented in

movie theatre in Canada was the Skyway at

in Toronto. The world's first documentary film

was Nanook of the North, shot in Canada by

the silent era (and the actress known as "America's

was made by James Freer of Manitoba in 1897.

The first ornately decorated theatre in North

**High Points across the Land** 

Other highs and lows World's tallest free-standing structure: CN Tower, Toronto — 553 metres Highest waterfall in Canada: Della Falls, B.C. — 440-metre vertical dro Tallest building in Canada: First Canadian Place, Toronto — 290 m

Mica Dam, Columbia River, B.C. — 242 metres Tallest tree: Douglas fir — grows to 80 metres Deepest lake in Canada: Great Slave Lake, N.W.T. — 614 metres Deepest mine shaft in Canada: Macassa gold mine, Kirkland Lake, Ont. — 2,206 metres

The lowest point on a public road in Canada George Massey Tunnel under the Fraser River near Vancouver International Airport — 20 metres below sea level

Baldy Mountain, Man. 832 metres Leading Lights Canadian ingenuity shines brightly

in commerce, industry, mining and science ... **Industry and commerce** 

Per capita energy consumption

(in kilograms of coal equivalent)

of Pictou, N.S., in 1842.

United States 10,737

France 5,434

Inited Kingdom 5,400

The first known metal smelting in North America

was done at the Norse settlement at L'Anse aux Meadows, Nfld., c. 1000 A.D. The oldest continuously operating company in North America is the Hudson's Bay Company

established May 2, 1670. Canada's first heavy industry was the ironworks Les Forges Saint-Maurice, established at Trois-Rivières, Que., in

**Ouality of Life** 

With a bountiful land and

caring medical system,

of life second to none ..

canadians have a quality

he Canadian municipality (population

ore than 50,000) with the highest per-

entage of people with a post-secondary

egree is Sainte-Foy, Que., 48.9 percent.

Rockcliffe Park, Ont., has the highest

ercentage of population (in communi-

es under 50,000) with a post-secondary

anadian municipality with the highest

ercentage of families with incomes over

he oldest hospital in Canada, based

Quebec City, founded in 1639.

Norwich, Ont., in Toronto in 1867; she also

group. Her daughter, Augusta Stowe Gullen,

The first Canadian woman to practise

medicine in Canada was Emily Stowe of

founded Canada's first women's suffrage

legree, 58.9 percent. It is also the

70,000, 91.2 percent.

1730, and in opera-An early electric light tion until 1883. bulb was invented by Henry Woodward of The first person Toronto in 1874; he later to make paper from sold a share in his patent wood pulp was to Thomas Edison, who in Charles Fenerty of 1879 designed a more Halifax, N.S., in 1838. practical bulb. The first in North America to make paper from wood pulp commercially was

The first public electric lighting system in Canada was along the Montreal John Thompson, at harbour in 1877. The Napanee, Ont., about Barber paper mill at 1864. The first com-Georgetown, Ont., was

mercial pulp mill was the first hydro-electrically powered plant in the opened by Alex Buntin world, in 1888. The first long-distance power at Valleyfield, Que., transmission system in the British Empire was about 1866. And the installed in Quebec by Edouard Lacroix, from first kraft paper plant Saint-Narcisse to Trois-Rivières, in 1897. The first in North America was publicly owned power utility in the world was established at Bromptonville, Que., in 1907. the Hydro-Electric Power Commission of Ontario The diving bell was devised by J. D. B. Fraser (now Ontario Hydro), directed by Adam Beck of Baden, Ont.; it began in 1906 and by 1923 was

Nova Scot

was the first woman to earn a medical degree the greatest population density is Montréal-Nord, with

in Canada, studying at the Toronto School of 7,753.4 people per square kilometre in 1991.

Medicine and graduating from Victoria College,

up at Stratford, Ont., was the first woman

Population density

(persons per square kilometre)

The second of the second

licensed as a doctor in Canada, in 1875.

Prince Edward Island is Canada's most densely populat-

ed province, its smallest, and its least urbanized. It is

28 percent of its area under cultivation. The city with

also proportionally the country's most agricultural, with

Cobourg, Ont., in 1883. Jennie Trout, who grew

the world's largest utility. The biggest hydro-elec-Kerosene was developed by Abraham Gesner of Cornwallis, N.S., and its lighting properties first tric power development in Canada is Quebec's James Bay project.

(on the Quebec-Newfoundland border)

Mount Carleton, N.B.

817 metres

1,652 metres

Mackenzie Mountains, N.W.T.

142 metres White Hill, Cape Breton Highlands, N.S.

The first commercial process for making calcium carbide (from lime and coke) was devised by Thomas (Carbide) Willson of Princeton, Ont., in 1892. When water is added, calcium carbide produces acetylene gas, used widely in the 1890s to fuel lamps.

Arthur Sicard of Saintéonard, Que., made the first snowblower in 1925. The paint roller was rented by Norman Breakey of Toronto in 1940.

The hand-arm machine, the first step to the automated control of machine tools (robotics), was invented by Eric Leaver and G. R. Mounce in Toronto in 1946. Donald and Ronald

by Canadian scientists in the 1940s and

Norwood, Ont., in 1842, and was soon the most New Brunswick and sold by Ganong Brothers

and colza (cole seed).

Canada is the world's leading exporter of pulp Southern's company, and paper, shipping 23.7 million tonnes in 1994. ATCO, pioneered the construction of modular trailers in Alberta in the 1950s

The green plastic garbage bag was invented by Harry Wasyluk of Winnipeg, and by Larry Hanson at the Union Carbide plant in Lindsay, Ont., in the 1950s.

The world's richest vein of silver was found at Cobalt, Ont., in 1903. The world's largest uranium

The first kidney dialysis machine in North

America was made by Dr. Gordon Murray of

transplant a human heart valve.

The co-founder and first

The cobalt "bomb" for can-

cer treatment was developed

by scientists from Eldorado

and by Dr. Harold E. Johns

The electronic heart pace

naker was invented by Dr.

Wilfred Bigelow of Toronto.

with John Callaghan of Toronto

and J. A. Hopps of the

Ottawa in the early 1960s.

The first wheat in Western Canada was grown

Red Fife wheat was developed by David Fife of

by Louis La Corne in Saskatchewan in 1754.

widely grown wheat in Canada; later, it was

Nuclear in London, Ont.,

at the University of

Saskatchewan in 1951.

president (1948–53) of the

World Health Organization

was Dr. Brock Chisholm of

Dakville, Ont.

Toronto in the 1940s; he was also the first to

the late 1930s by physics professor Eli Franklin Burton and his students Cecil Hall, James Hillier and Albert Prebus. National Defence Department chemist Richard Sewell developed the "Slicklicker," the best method in the 1960s for cleaning up oil spills.

**CN Tower** 

553 metres

reserves are in Canada, with the richest deposits

near Elliot Lake, Ont. Canada is the world's lead-

ing uranium producer, with 40 percent of world

production in 1992. Canada is the world's leading

producer of zinc, with 18.7 percent of the world's

supply. The largest open-pit asbestos mine in the

western world is the Jeffrey Mine at Asbestos, Que.,

The oldest operating mines in Canada are the

largest mine operation in Canada is the Highland

The deepest mine shaft in Canada is the Macassa

Valley copper mine at Logan Lake, B.C., with a

gold mine in Kirkland Lake, Ont., 2,206 metres.

The greatest contribution to nuclear theory at

a Canadian university was Ernest Rutherford's

while at McGill University in 1902; it earned

Rutherford a Nobel Prize in 1908.

theory of atomic structure, which he developed

John C. McLennan of the University of Toronto

devised the first method of extracting helium from

The first practical electron microscope in North

America was made at the University of Toronto in

350 metres deep and 2,000 metres in diameter.

Stobie Mine and Copper Cliff North Mine at

Sudbury, Ont., both established in 1886. The

capacity of 133,000 tonnes of ore per day.

Science and engineering

Dr. Lorne Elias of the National Research Council invented the explosives vapour detector, capable of sniffing out hidden bombs, in 1990.

one of the parents of the early-maturing Marquis wheat, which was developed by brothers Charles and Percy Saunders at the Central Experimental Farm in Ottawa. Marquis wheat was introduced into the West beginning 1907, and within a

cade was the principal neat grown in the ited States and Canada The first frozen food old to the public was Ice illets frozen fish, on sale n Halifax in 1929. The nutritious baby

ood, Pablum, was created 1930 by Alan Brown, G. H. Drake and F. F. sdall, three doctors at An oil-rich variety of rapeseed was developed he Toronto Hospital for 1950s, and is now widely grown under the name canola, which is derived from Canada The most milk from

a Canadian cow was the period 1970 to 1990, from the Holstein cow Spring Day Climax Lois (born 1968), owned by G. J. Nooren of St. Thomas, Ont. The first Canadian chocolate bar was created

by Arthur D. Ganong and George F. Ensor of

of St. Stephen in 1910.

Elliott of Toronto in 1869, and in use on railways by 1880. The speed record for a steam locomotive in Canada is 180 kilometres per hour reached by a Canadian Pacific Railway F-2a engine on a Montreal to Smiths Falls, Ont., run in 1936. The

99 people.

first successful diesel-electric locomotive was No. 9000, built at the Canadian National Railways shops in Montreal in 1928. The first practical electric street railway in North America was devised by John Wright in Toronto in 1883, and the first commercial electric

Railway Company in Windsor, Ont., in 1886.

The first major railway system in North

which connected Montreal and southwester

Ontario by 1859. The worst train wreck in

The rotary snowplow was invented by J. W.

Canadian history occurred at Beloeil, Que.

America was the Grand Trunk Railway,

Winnipeg has more hours of winter sunshine, 358, than any other Canadian city. The most sunshine in one month, 621 hours, was recorded at Eureka, Ellesmere Island, N.W.T., in May 1973. Of all Canadian cities,

record in Canada is around Arctic Bay, N.W.T.

where only 12.7 millimetres of precipitation fell

most days per year with freezing rain (38) and fog (121), and the most wind (an average annual wind speed of 24 kilometres per hour). Penticton, B.C., has the least fog, just two foggy days per year. Kelowna, B.C., is the least windy city; 39 percent of wind observations per year indicate calm conditions. Prince Rupert, B.C., has the cloudiest skies, 6,123 hours per year, the fewest days of

thunderstorms (three per year) and the highest annual precipitation, 2,552 The wettest day on record in Canada was millimetres. Vancouver has Oct. 6, 1967, at Ucluelet Brynnor Mines, the fewest days per year B.C., when 489.2 millimetres of rain fell. with freezing temperatures, Chicoutimi, Que., leads all Canadian cities for 51, and the longest frost-free period, 233 days. blowing snow, 37 days per year. Victoria, B.C.,

The costliest tornado in Canadian history is the city with the least snow, 47 centimetres was the Edmonton tornado of July 31, 1987 when 27 died, 200 were injured and 400 Medicine Hat, Alta., has more dry days than were left homeless, with damage any other Canadian city, 271 per year without along a 40-kilometre track estimated measurable precipitation. The driest region on at \$250 million.

**Getting There** 

Canada's vast distances have pushed our inventors to new frontiers ...

**Weather Ways** 

all kinds of weather ...

Canada has weather, lots of weather,

The greatest annual precipitation on record in

Canada was 8,122.4 millimetres at Henderson

Lake, B.C., in 1931. Vancouver claims

the record among large Canadian

cities (population 100,000 up)

for the most consecutive days

The most severe flood

recorded in Canada occurred

in the Toronto area following

Hurricane Hazel, Oct. 14-15,

1954, when more than 180

millimetres of rain fell in 24

hours; 81 people died, 4,000

families were left homeless,

and crops and roads were

The greatest one-day

snowfall, 118.1 centimetres

occurred at Lakelse Lake,

B.C., on Jan. 17, 1974. The

heaviest annual snowfall

Mount Copeland area of

British Columbia, 2,446.5

centimetres, in 1971-72.

per year.

was in the Revelstoke-

swept away.

of rain, 29 in 1953, from

January 6 to February 3.

The first balloon flight in Canada was undertaken by Prof. Louis Lauriat at Saint John, N.B., in 1840. The first Canadian to fly an airplane (and the seventh person in the world) was F. W. (Casey) Baldwin, at Hammondsport, N.Y., in 1908. The

first flight in Canada was that of the Silver Dart, designed and flown by J. A. D. McCurdy at Baddeck, N.S., in 1909; it flew 800 metres at an average speed of 65 kilometres per hour. In all, the silver-winged biplane flew 200 flights before it was damaged beyond repair.

The first

airmail flight

in Canada was from Montreal to Toronto on June 20, 1918, with Royal Air Force Capt. Brian A. Peck piloting a Curtiss IN-4. The first bush flight was by Stuart Graham in a Curtiss HS-2L from Trois-Rivières, Que., in 1919. The first aerial survey business was operated 5,000 litres of water in 10 seconds

The variable-pitch propeller, which allowed a pilot to control the "bite" of the propeller and thus greatly increased aircraft efficiency, was designed by Wallace R. Turnbull of Rothesay, N.B., in 1919; Turnbull also built Canada's first wind tunnel. The first trans-Canada flight was by

by Daniel Owen of Annapolis, N.S., beginning

a Canadian Air Force plane, Oct. 7-17, 1920. The first successful Canadian-designed aircraft built for use in the North was the Noorduyn Norseman, built by Robert Noorduyn in Montreal in 1934; it was also the first Canadian-designed plane to find a significant market outside

Inertial navigation, a system that allows a pilot to establish location by gyroscope control, was invented in 1934 by Eric W. Leaver, who grew up in Saskatchewan. The antigravity suit, a oressurized flying suit and forerunner of the space suit, was

devised by W. R. Franks at the University of Toronto in 1940. The first STOL (short takeoff and landing) aircraft was the Beaver, designed by de Havilland Canada in 1948.

The first Canadian passenger jet plane (second in the world) was the Avro Canada Jetliner, first flown at Malton, Ont., in 1949; it also flew the first international jet air mail, from Toronto to New York, on April 18, 1950. The first pilot to fly a Canadian plane faster than sound was Jan Zurakowski in an Avro Canada CF-100 jet fighter in 1952. The crash position indicator, a system of locating downed aircraft, was devised by Harry Stevinson and David Makow at the National Research Council in Ottawa in 1959. The Canadarm remote-control robotic arm was designed and built by the National Research Council and Spar

Aerospace Limited for use on the U.S. space shuttle in 1981. Toronto's Lester B. Pearson International Airport is Canada's busiest — handling more than 20 million passengers in 1993.

The first railway in Canada was the Champlain & St. Lawrence, built in Ouebec between La Prairie and Saint-Jean-sur-Richelieu in 1836. The first locomo tive manufactured in Canada was the Toronto, built in Toronto in 1853. In 1931, railway safety was greatly enhanced by the invention of shatterless rails (rails left in sheds to cool slowly after manufacture) by I. Cameron Mackie of Sydney, N.S.

by Henry Seth Taylor of Stanstead, Que., in 1867. Ontarians William Still and Frederick Featherstonhaugh built Canada's first electric car in 1893, while the first Canadian gasoline-powered automobile was built by George Foote Foss of Sherbrooke, Que., in 1897.

The first automobile speed limit in Canada was established in Ontario in 1903: 15 miles per hour (24 kilometres per hour) in the country, and 10 miles per hour (16 kilometres per hour) in cities.

installed in Toronto in 1925; in 1963, The only aircraft in the world

esigned specifically as a water-

Canada has the highest energy consumption per capita of the G-7 countries, equal to 10,965 kilograms of coal per year. It also uses more salt than any other country, 360 kilograms per person per year, largely due to the spreading of road salt. The Trans-Canada Highway, from St. John's,

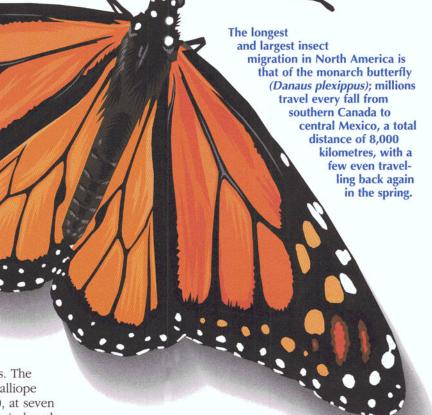
> in the world, 391 metres, is at Hartland, N.B., built in 1897. The longest cantilever bridge in Canada is the Pont de Québec, at Quebec City, 549 metres, completed in 1917. The longest bridge span in Canada is the

bridge completed in 1970. The longest prestressed concrete bridge in Canada is the Pont de l'Ile aux Tourtes at the west end of the Island of Montreal, 1,989 metres, completed in 1965.

in 1809. The first steamship on the Great Lakes was the Frontenac, built at Bath, Ont., in 1816. The first

America is at Witless Bay, Nfld.

The longest bird migration in the world is that of the Arctic tern (Sterna paradisaea), which nests as far north as Ellesmere Island in Canada and migrates as far south as Antarctica, a round trip of 40,000 kilometres.





(Thuja plicata) is the largest living thing in Canada; it can exceed 65 metres in height and four metres in diameter. The largest sugar maple (Acer saccharum) in Canada is the Pelham Maple The first waterfowl refuge in North America

was the Last Mountain Lake Bird Sanctuary, Sask. opened in 1887. The largest goose colony in the orid is at the Dewey Soper Bird Sanctuary Baffin Island, N.W.T.

> he polar bear (Ursus maritimus) is the biggest f Canadian carnivores. Adult males average petween 400 and 600 kilograms, with some ndividuals exceeding 800 kilograms, making them the world's largest non-aquatic carnivore.



The oldest university in Canada is the University of King's College, established at Windsor, N.S., in 1789; it is now in Halifax

on the campus of Dalhousie University. Canada's first museum of natural history was opened by Abrahan Gesner at Saint John, N.B., in 1842 when he put his mineral collec

The first Canadian citizen to win the

tion on display. The first YMCA in North America opened n Montreal in 1851. The world's largest annual exhibition is the Canadian National

The largest organiworld is the Women's institute, founded by Adelaide Hoodless in Stoney Creek, Ont., ir 1897; she also helped establish the National

The first credit union in North America was founded by Alphonse Desjardins in Lévis, Que., in 1900.

Church, Moose Jaw, Sask., in 1936. The largest library in Canada is the University of Toronto Library, with 7.900.000 volumes.

The first opera written by a Canadian was Louis-Joseph Quesnel's Colas et Colinette, performed in The first Canadian-born singer to be

The oldest active orchestra in Canada is the Orchestre symphonique de Québec, ounded in 1902. The first Canadian orchestral work to be oublished was Guillaume Couture's Rêverie,

Bryan Adams with Reckless, in 1985. The Yorkton Short Film and Video

The first novel written by a Canadian the book while living in Kingston, Ont.

Hugh MacLennan, with five. French literary prize, the Prix Fémina, was Gabrielle Roy of St. Boniface, Man.,

The first Canadian (and first non-French citizen) to win the French liter-

> The first Canadian to win the Nobel Prize for Peace was Lester Pearson, for his idea of a

The first Canadian space was Marc Garneau of Quebe City, in October 1984. The first Canadian woman in space was Roberta Bondar of Sault Ste. Marie, Ont., in January 1992.

country to have participated in all **United Nations** peacekeeping

United Nations Peacekeeping Force, in 1957.

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The only walled city north of Mexico

The first fringe festival (new and alterna-

tive theatre) in North America was staged

The Queen Elizabeth Planetarium, Canada's first, opened in Edmonton in

The world's tallest totem pole from a single log, at 38.28 metres, was carved by Mungo Martin at Beacon Hill Park in Victoria, B.C., in 1958.

The writer who has garnered the most

admitted to the Royal Society of

world into 24 time zones, was devised by Canadian engineer Sandford Fleming in 1879. The first Canadian world sports champion was Ned Hanlan of Toronto, for sculling in

coverers of insulin, which allows control of diabetes, at the University of Toronto in 1922. Norman Bethune of Gravenhurst, Ont., devised both the first mobile blood transfusion

service (in Spain in 1936) and the first mobile medical unit (in China in 1938).

vin a world championship was ucille Wheeler of Montreal in 1958. The first Canadian skier to win Olympic gold was Anne Heggtveit of Ottawa in 1960. he first non-European to win the World Cup of lownhill skiing was Steve Podborski of

the first quadruple jump by Kurt

Wayne Gretzky of Brantford, Ont., holds the most professional hockey records, about 50, beginning in 1978 when at age 17 he was the youngest athlete playing a major league sport in North America.

> World Series was the Toronto Blue Jays, in 1992 and again in 1993. The first Canadian player o win the Cy Young Award (for itstanding major league pitch-

natham, Ont., in 1971. The first woman trapshooter compete in the Olympics was six-time world women's traphooting champion Susan Nattrass of Medicine Hat, Alta., in 1976.

Another Albertan, Laurie Skreslet of Calgary, was the first Canadian o climb Mount Everest, on Oct. 5, Ferrari racing team (from 1978 The first person to swim to 1982), and the greatest-ever

across Lake Ontario was Canadian driver, was Gilles Marilyn Bell, in 1954.

owned by Ottawa-born E. P. Taylor, in 1964. The first jockg) was Ferguson Jenkins of ey to win 500 races in a season was Sandy Hawley of Oshawa, Ont., in 1973.

Montreal hosted the first synchronized swimming competition in 1923. Basketball was invented by Ont., and first played at Spring-

field, Mass., where Naismith was a physical education

instructor, in 1892. The most successful basketball team (and

Canada's most successful sports team ever) was the Edmonton Grads; between 1915 and 1940 they won 49 of 51 Canadian championship

The largest Atlantic puffin colony in North metres in diameter at the base; it can live

is the country's largest professional dance company, with 65 dancers. Montreal in 1790.

The arts

himself to landscapes.

organization of profes-

Canadian Academy of

Arts, founded in 1880.

The oldest national

sional artists is the Royal

The oldest art school

in Canada is the Ontario

lished in Toronto in 1875.

Canada's only post-

icated to theatre training

also has Canada's largest

theatre and related fields:

The largest repertory

theatre in North America

an annual budget of \$25

in Edmonton in 1982.

The oldest professional

pallet company in Canada is

The National Ballet of Canada

the Royal Winnipeg Ballet,

established in 1949.

45,000 volumes.

collection of books on

is the National Theatre

School in Montreal; it

secondary institution ded-

College of Art, estab-

acclaimed in the international world of opera was Dame Emma Albani (1847-1930).

> The first Canadian recording artist to sell one million albums in Canada was Festival is Canada's oldest continuing film

and published in Canada was St. Ursula's Convent; or, the Nun of Canada, in 1824; it was written by Julia (Beckwith) Hart, who was born in Fredericton, N.B. She published

for Bonheur d'occasion (The Tin Flute), in 1945. She was also the first woman

On the World Scene International stature has come to

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Exhibition, held in oronto since 1879. zation of women in the

is Quebec City; it was also the first city in North America to be placed on Council of Women, the is at Stratford, Ont.; it has UNESCO's World Heritage Sites list. Victorian Order of Nurses,

The first woman minister in a Protestant church in Canada was Lydia Gruchy, who became a minister in St. Andrews United

festival, started in 1950 in Yorkton, Sask.

Governor General's Literary Awards is The first Canadian writer to win the

Canada. ary award, the Prix Goncourt, was Antonine Maillet of Bouctouche, N.B.,

for Pélagie-la-Charrette, in 1979.

Brusso) of Hanover, Ont., from 1906 to 1908 The first Canadian to win the Boston Marathon was Tom Longboat of Ohsweken, Six Nations

Olympic gold was Barbara Ann Scott of Ottawa in 1948. The first triple Lutz jump in skating competition was performed by Don Jackson of Oshawa, Ont., in 1962, and

> Browning of Caroline, Alta., in 1988. The greatest performance ever by a Canadian in the Olympic ames was that of speed-skater aëtan Boucher of Charlesbourg Due., who won two gold medals nd one bronze at Sarajevo in 1984. The first North American skier to

Toronto in 1982.

The first non-U.S. team to play major league baseball was the Montreal Expos, beginning in 1969. The first non-U.S. team to win the



Canadian athletes stand tall among the world's best ... America is lacrosse, which was widely played in pre-European times; modern lacrosse rules were drawn up by Dr. W. G. Beers in

Lawrence River at Quebec City, a 668-metre-long suspension

was built by British Royal Engineers at Coteau-du-Lac, Que., around the Cèdres, Cascades and Coteau rapids on the St. Lawrence River during the years 1779–81. The first steamship made entirely in North America was the *Accommodation*, built at Montreal

vessel to make an Atlantic crossing by steam

The birchbark canoe was the most important vessel in the hunters and fishermen, it became the prime means of transportation for European explorers and voyageurs. The nativemade snowshoe played an equally important role on land.

William, in 1833. The first person to sail solo around the world was Joshua Slocum, a native of Annapolis County, Sir Charles Goodeve, a native of Winnipeg,

Allied ships from enemy mines. The world's most popular sailboat, the Laser, was designed by Bruce Kirby, Ian Bruce and have been built throughout the world.

Hans Fogh in Montreal in 1969; tens of thousands The steam foghorn was invented by Robert Foulis of Saint John, N.B., and first installed on streetcar service was begun by the Windsor Electric

Cars, roads and bridges The first automobile manufactured in Canada was a steam-powered vehicle built

gas station in Canada Vancouve in 1908. The first traffic lights in Canada were

scooping bomber was the Canadair city in the CL-215 in 1967; it can scoop up world with computerized and drop it over a fire in one second.

Nfld., to Victoria, B.C., is the world's longest national highway, 7,699 kilometres. The lowest point on a pubic road in Canada is in the George Massey Tunnel under the Fraser River near Vancouver International Airport, 20 metres below sea level. The longest covered bridge

The highest railway bridge in Canada is across the Oldman River at Lethbridge, Alta., 96.6 metres above Pont Pierre-Laporte over the St. the river (and 1,639 metres long).

> The first sailing vessel on the Upper Great Lakes was the Griffon, built by Sieur de LaSalle on the Niagara River in 1679. The first canal with locks in North America

was the Quebec City-built paddle wheeler, Royal

Partridge Island, Saint John Harbour, in 1860.

Canada's largest insect is the Cecropia moth (Samia cecropia or Hyalophora cecropia), with a wingspan of up to 15 centimetres. The largest animal in Canadian waters is the blue whale (Balaenoptera musculus), up to 27 St. John's, Nfld., has the

metres long and 132 tonnes in weight. The largest fish in Canadian waters is the basking shark (Cetorbinus maximus), up to 14 metres long. The smallest is southern Ontario's least darter (Etheostoma microperca), 2.5 centimetres long. The largest land animal in Canada is the wood bison (Bison bison athabascae) of Alberta, Manitoba and the Northwest Territories; mature males can

reach 3.8 metres in length, two metres at the shoulder, and weigh 900 kilograms. The smallest mammal is the pygmy shrew (Microsorex hoyi), whose total length is nine centimetres (of which one-third is tail); it lives throughout Canada except for the Far North. The fastest bird in Canada is the peregrine falcon (Falco peregrinus); it may hit 385 kilometres per hour in a dive. The fastest mammal in Canada is the pronghorn (Antilocapra americana) of the Prairies; it can reach 95

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Sporting Highs demonstrations. The most consecutive wins by a women's basketball team is held by the University of Winnipeg's Wesmen: 88. The oldest continuously played sport in North

Montreal in 1860. The first sports club in Canada was the Montreal Curling Club, established 1807; after the world curling championship was organized in 1968, Canada won the first five titles Hockey is known to have been played in

Montreal in 1875. The oldest professional sports trophy in North America is the Stanley Cup, established in 1893 as the emblem of hockey supremacy; 25 Stanley Cup championships

the Canadiens in 1959. Canadian teams won the

exploration and development of Canada. First used by native on June 29, 1864, when a Grand Trunk train plunged through an open drawbridge, killing

invented "degaussing" during World War II, a way of reducing a ship's magnetism, thus saving many

Our tallest tree is the Douglas fir (Pseudotsuga menziesii), up to 80 metres in height and two

By volume, the western red cedar near St. Catharines, Ont.

> matches, three North American titles, and two world championships in women's basketball

The first Canadian to win an Olympic gold medal was Etienne Desmarteau of Boucherville, Que., for the 56-pound hammer throw, at St. Louis, Mo., in 1904. The first and only Canadian to hold the world heavyweight boxing championship was Tommy Burns (born Noah

Reserve, Ont., in 1907. Halifax and Kingston in the 1850s, with the first Fivepin bowling was invented by T. E. Ryan public exhibition of the modern of Toronto in 1909. game at the Victoria Rink in The first Canadian to win figure-skating

were won by the Montreal Canadiens between 1917 and 1994, the most by any The first professional hockey player to score 5 goals in 50 games was the Canadiens' Maurice (Rocket) Richard in 1944-45. The first professional hockey goalie to wear a protective mask during a game was Jacques Plante of

un stake race for thorughbred horses in North America is the Queen's late, established in Toronto in 860. The first horse to win the Triple rown of racing in the United States vas Canadian-owned Sir Barton, owned J. K. L. Ross of Montreal, in 1919. The first Canadian-born horse to win the Kentucky Derby was Northern Dancer,

The first golf club in the Americas was the Montreal Golf Club, organized in 1873.

first three world women'

nockey championships

n 1990, 1992 and 1994

The oldest continuous

Villeneuve of Berthierville, Que. The biggest public cycling event in the world is the Tour de l'Île de Montréal, in which 32,000 cyclists participated in 1988.

some Canadians through their special accomplishments ... Universal Standard Time, which divides the

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