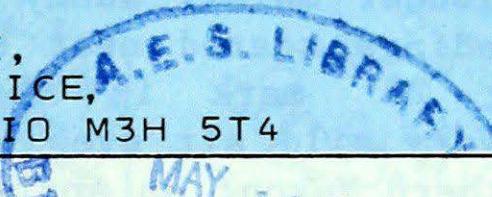


CLIMATIC PERSPECTIVES

THE CANADIAN CLIMATE CENTRE,
ATMOSPHERIC ENVIRONMENT SERVICE,
4905 DUFFERIN ST., DOWNSVIEW, ONTARIO M3H 5T4

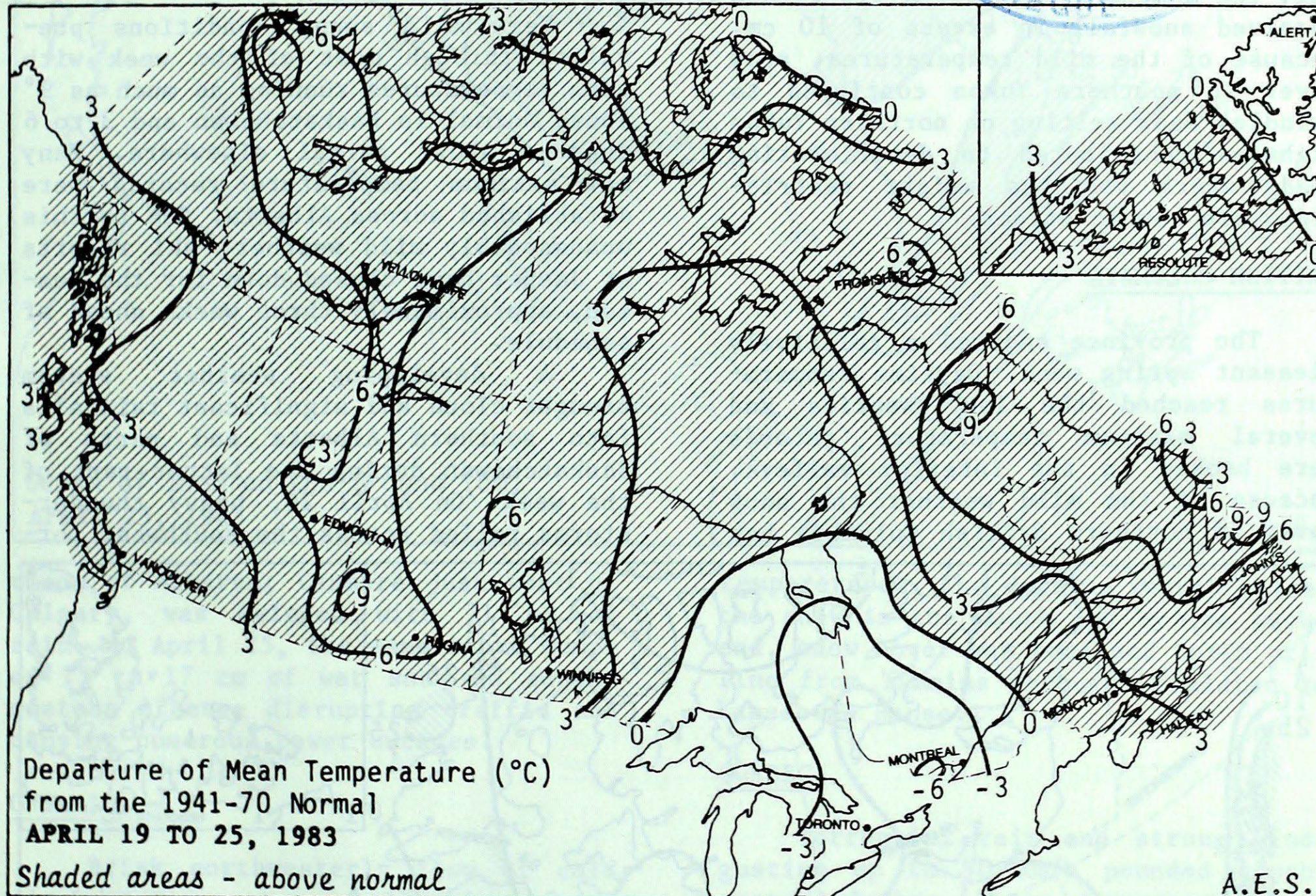
Canada



APRIL 29, 1983

(Aussi disponible en français)

VOL. 5 NO. 17



WEATHER HIGHLIGHTS FOR THE PERIOD - APRIL 19-25, 1983

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YUKON AND THE NORTHWEST TERRITORIES

Temperatures averaged 3 to 10 degrees above normal across the Territories. Under mainly sunny skies daytime readings soared near the record-breaking 20° mark in the southern Yukon. Very mild air even pushed into the northern Yukon; on April 24, temperature climbed to 10° at Old Crow. Precipitation was scant everywhere; only the southern half of Baffin Island received snowfall in excess of 10 cm. Because of the mild temperatures, snow cover in southern Yukon continued to dwindle. Snow melting on northern Yukon highways contributed to deteriorating roads where vehicles weight restrictions are now in effect.

BRITISH COLUMBIA

The province enjoyed a relatively pleasant spring week. Daytime temperatures reached the low twenties and several maximum temperature records were broken in the interior valleys. Because of the mild weather the snow cover in northern British Columbia has

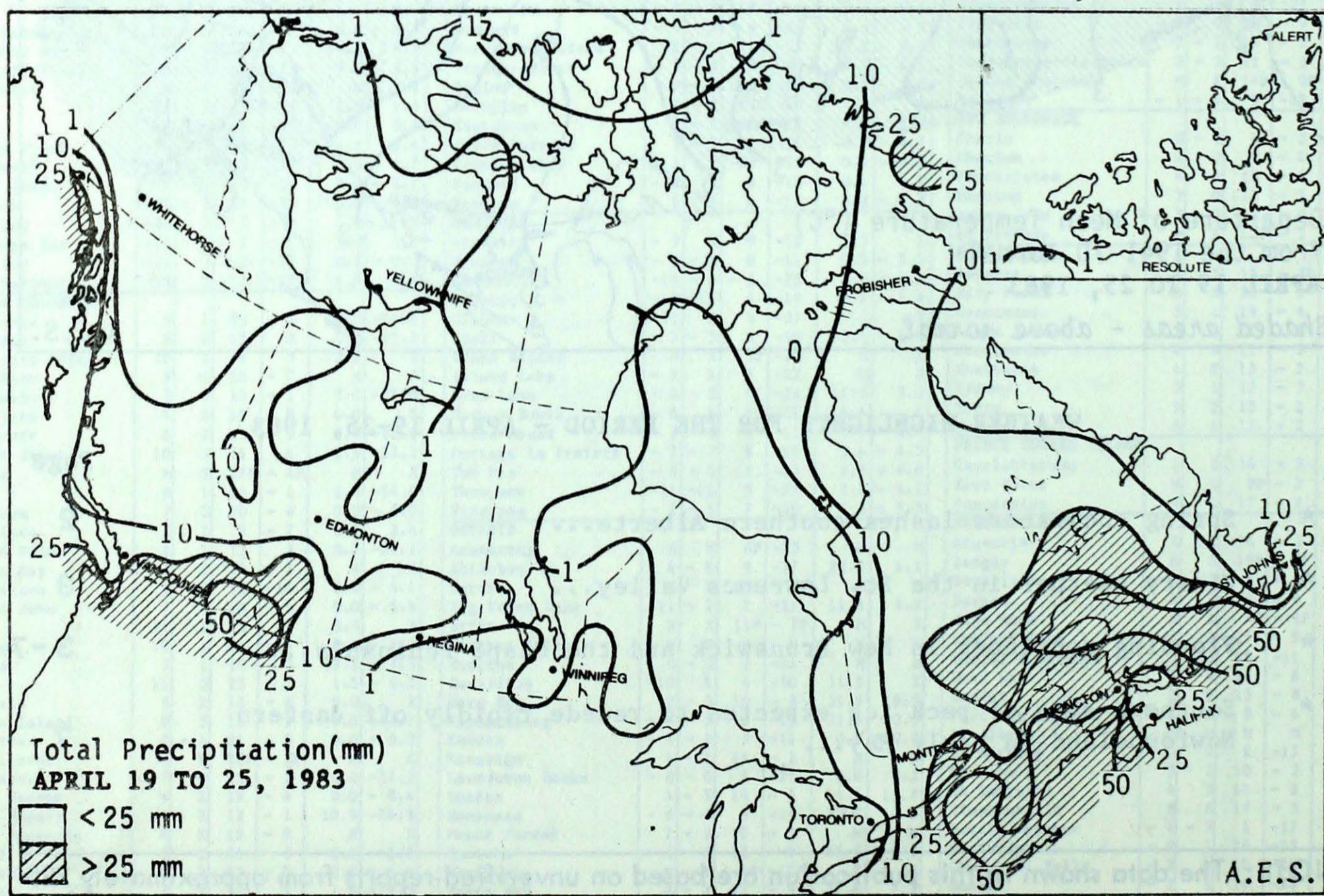
receded rapidly and now in many areas, has all but disappeared.

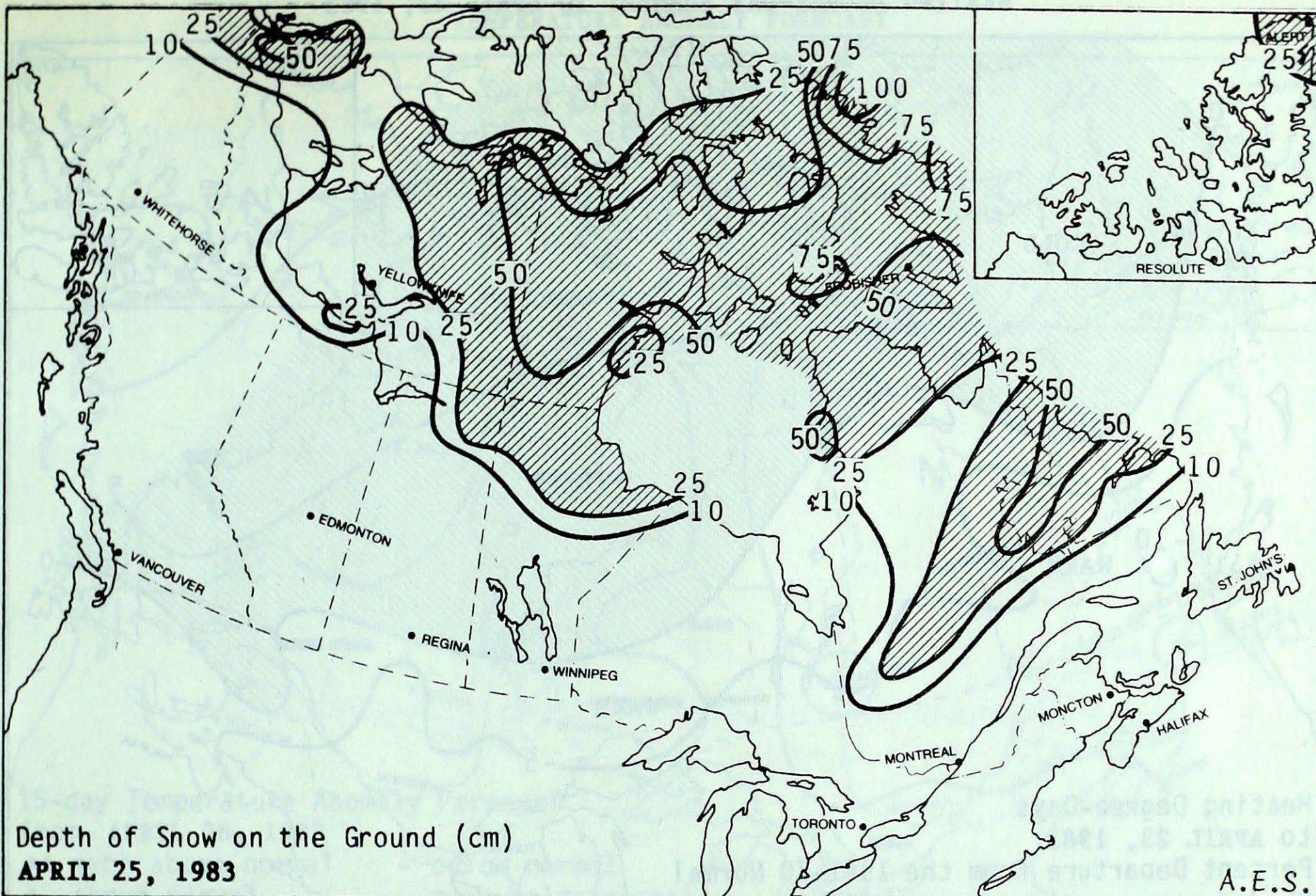
A complex slow moving disturbance crossed the coast line during the weekend and gave unsettled wet weather to the south. Above normal rainfalls of 25 to 50 mm triggered some mud slides in the interior. On April 25, Kootenay Pass received 17 cm of new snow.

PRAIRIE PROVINCES

Very mild sunny conditions prevailed through most of the week with mean temperatures running as much as 9° above normal in Saskatchewan and 3 to 6 degrees above normal elsewhere. Many new maximum temperature records were established across Alberta. Due to this unseasonably mild weather, ski resorts at Jasper have closed down for the season, approximately three weeks ahead of schedule.

A developing weather system brought cloud and significant rainfalls into southern Alberta and parts of Saskatchewan during the latter part of the week. On April 24, heavy thunderstorms rolled across the southwest por-





tions of Alberta; Canmore just west of Calgary, was deluged with 71 mm of rain. On April 25, the same storm dumped 15 to 17 cm of wet snow in southwestern Alberta disrupting traffic and causing numerous power outages.

ONTARIO

Brisk northwesterly flow of cold air kept temperatures well below normal across the province. In the cold air mass, many stations established record low daytime temperatures; especially in eastern Ontario, where afternoon readings hovered near freezing. On April 21, a high of 1° at Ottawa broke the previous record of 2° set for the date in 1947. During mid-week, wet snow froze on southern Ontario roads and snarled traffic for hours. Roads were extremely treacherous in eastern Ontario where 6-9 cm of new snow contributed to traffic accidents during mid-week.

Ontario's weather improved significantly during the week-end allowing residents to enjoy sunshine and mild

temperatures. The daytime warmth melted the snow in the south and by the weekend, snow cover was confined north of a line from Timmins through Geraldton to Lansdowne House.

OTTAWA

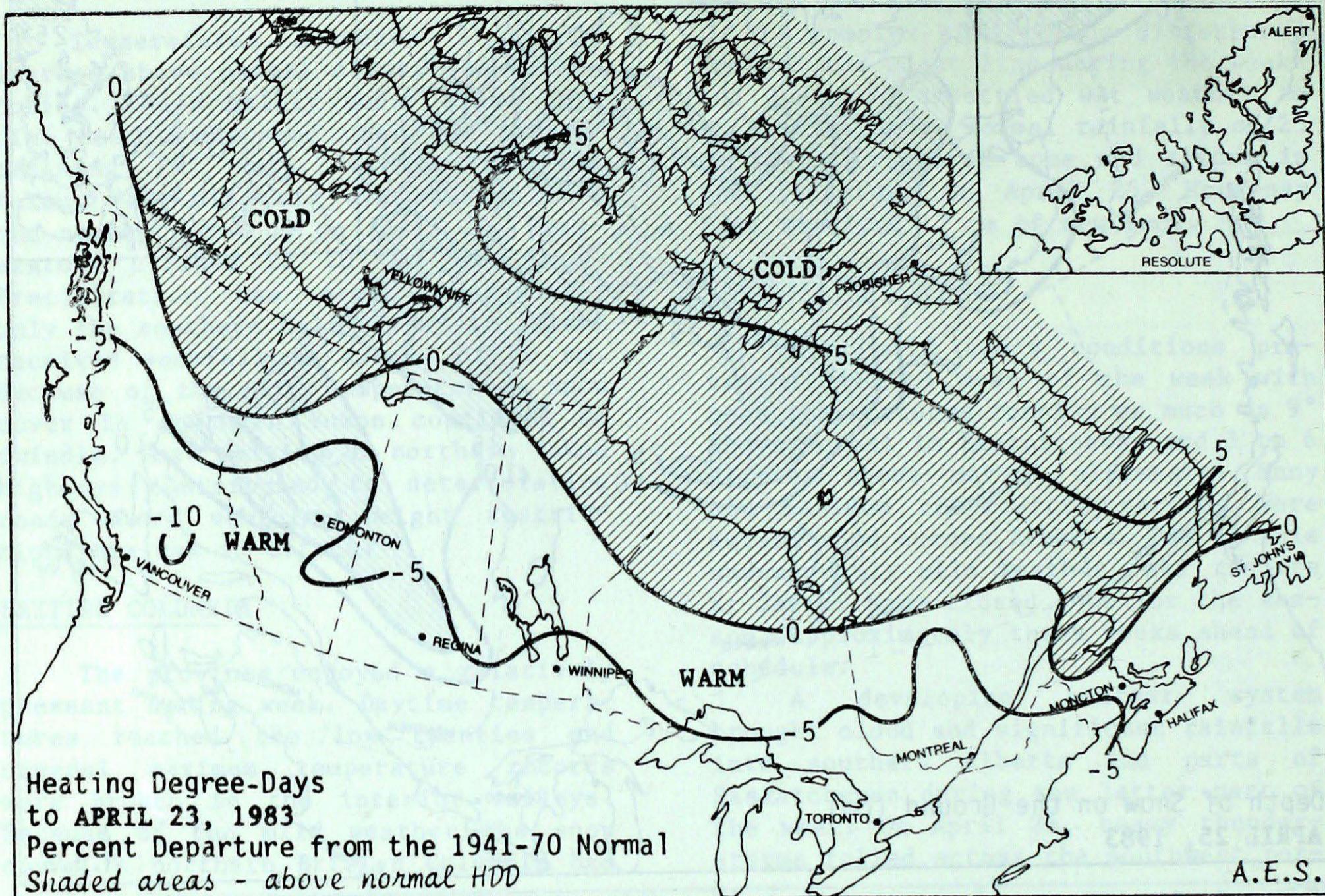
QUÉBEC

Torrential rain and strong winds gusting up to 90 km/h pounded southeastern Québec. Heavy downpours caused flooding at Sept-Îles and Matane and in the Gaspé peninsula. Numerous high temperature records were set in the warm air which accompanied the weekend rains; 13° on April 24, at Gaspé broke the old record of 10° set for the date in 1979. Temperatures were exceptionally mild in northern Québec.

Cold and frequent snowfalls highlighted southwestern Québec's weather. So far during April, 33.6 cm of snow has fallen in Montréal, exceeding the old record for the month (32.5 cm set in 1975). On April 20, pea size hail accompanied the first thunderstorm of the spring season at Trois-Rivières.

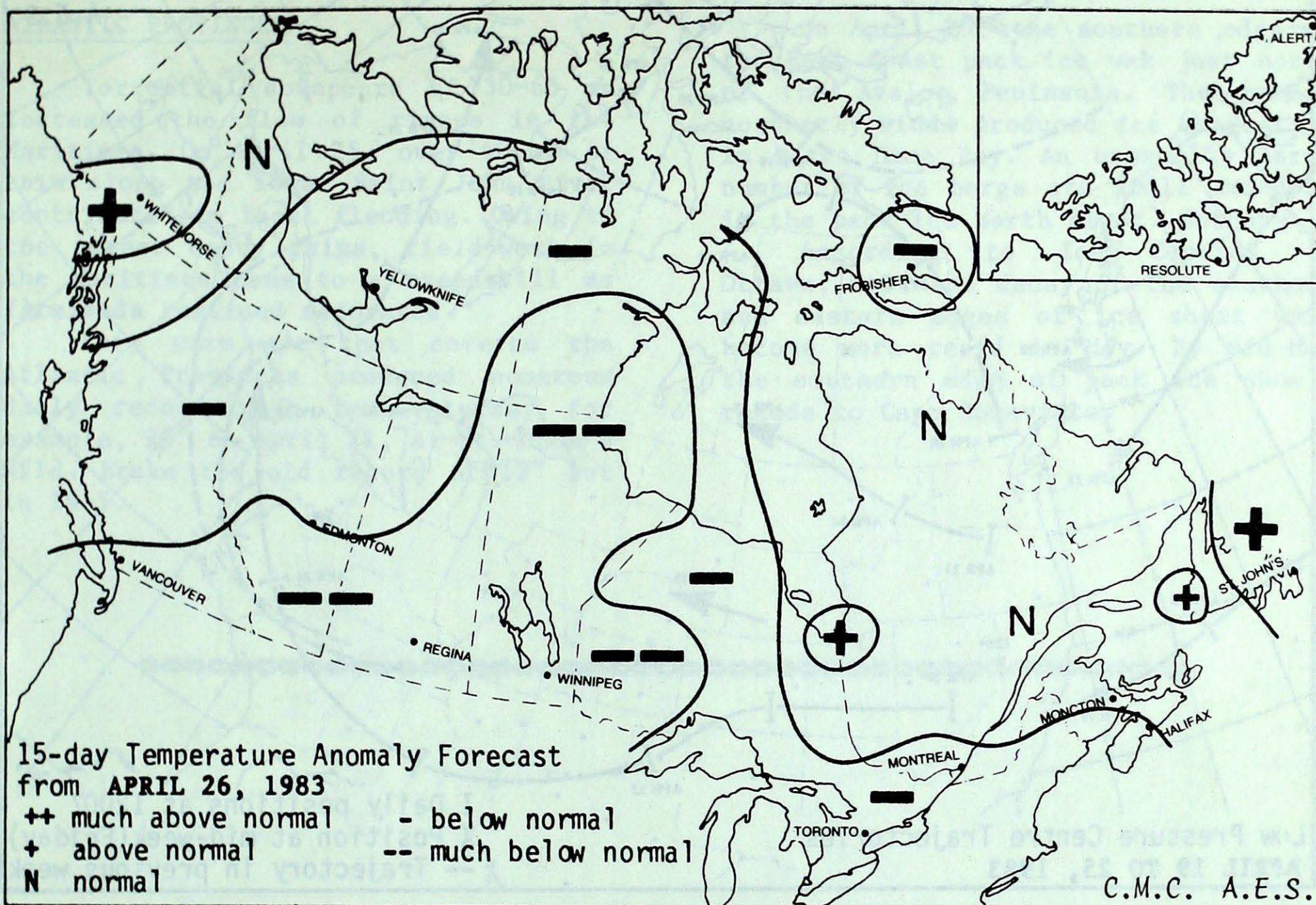
(continued on page 7)

HEATING DEGREE-DAY SUMMARY TO APRIL 23, 1983

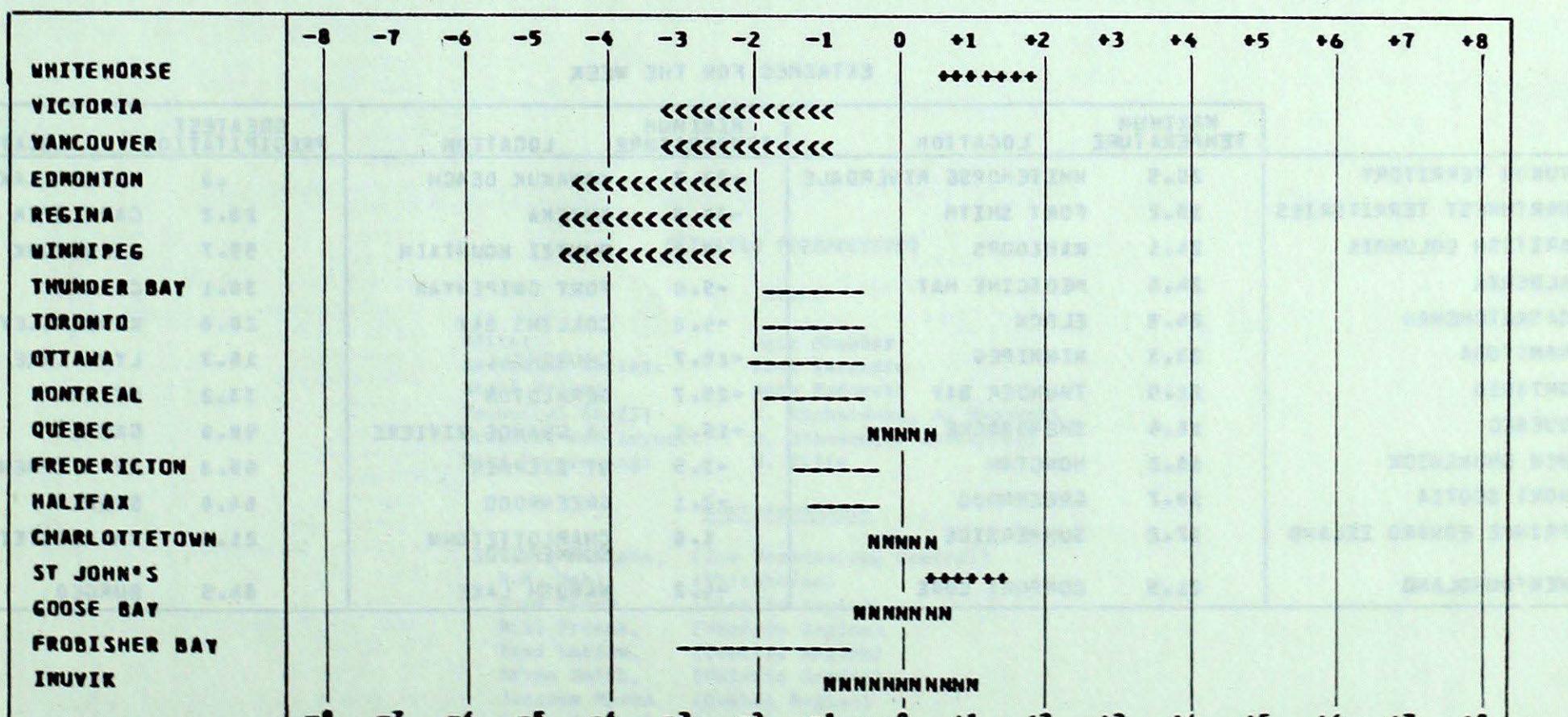


STATION	MONTHLY CUMULATIVE TOTAL	MONTHLY DIFF. FROM 1941-70 NORMAL	SEASONAL TOTAL	SEASONAL DIFF. FROM 1941-70 NORMAL	SEASONAL PERCENT OF NORMAL
Resolute	1050.0	75.0	11436.0	526.0	105
Inuvik	776.5	3.5	9543.0	337.0	104
Whitehorse	397.0	-41.0	6196.5	-24.0	100
Vancouver	215.0	-1.0	2489.0	-163.0	94
Edmonton Mun	272.5	-73.5	4664.5	-419.0	92
Calgary	313.0	-41.0	4350.5	-397.5	92
Regina	360.0	-5.0	5113.5	-329.0	94
Winnipeg	361.5	-5.5	5019.0	-387.0	93
Thunder Bay	408.5	26.5	4908.0	-248.5	95
Windsor	289.5	46.5	3025.5	-280.0	92
Toronto	318.5	33.5	3510.0	-220.0	94
Ottawa	353.0	49.0	4057.5	-280.5	94
Montreal	323.0	21.0	3908.5	-255.5	94
Quebec	362.5	1.5	4426.0	-250.5	95
Saint John, N.B.	322.0	-34.0	3966.0	-269.0	94
Halifax	320.0	-12.0	3463.5	-138.0	96
Charlottetown	330.5	-41.5	3897.0	-202.5	95
St. John's, Nfld.	354.0	-45.0	3634.5	-94.5	97

TEMPERATURE ANOMALY FORECAST



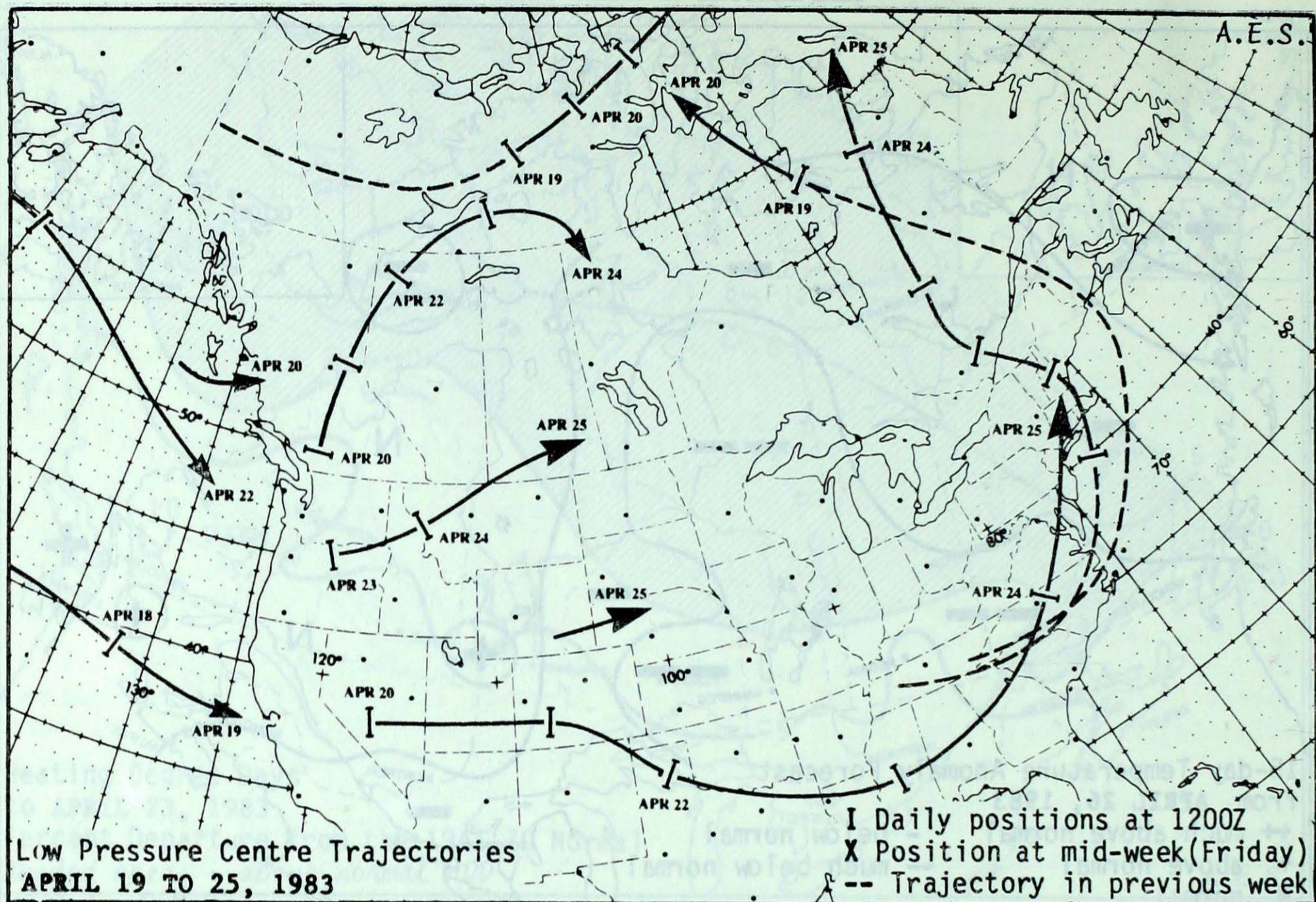
TEMPERATURE ANOMALY FORECAST FOR APR 26 1983 TO MAY 10 1983

<<< MUCH BELOW NORMAL
BELLOW NORMAL

NNNN NEAR NORMAL

>>> MUCH ABOVE NORMAL
ABOVE NORMAL

LOW PRESSURE CENTRE TRAJECTORIES



EXTREMES FOR THE WEEK

	MAXIMUM TEMPERATURE	LOCATION	MINIMUM TEMPERATURE	LOCATION	GREATEST PRECIPITATION	LOCATION
YUKON TERRITORY	20.5	WHITEHORSE RIVERDALE	-23.3	KOMAKUK BEACH	.3	WATSON LAKE
NORTHWEST TERRITORIES	15.2	FORT SMITH	-30.3	EUREKA	28.2	CAPE DYER
BRITISH COLUMBIA	24.1	KAMLOOPS	-8.2	PUNTZI MOUNTAIN	55.7	CRANBROOK
ALBERTA	24.8	MEDICINE HAT	-5.0	FORT CHIPEWYAN	38.1	CALGARY
SASKATCHEWAN	24.9	ELBOU	-4.8	COLLINS BAY	20.6	KINDERSLEY
MANITOBA	23.3	WINNIPEG	-10.7	CHURCHILL	10.3	LYNN LAKE
ONTARIO	21.9	THUNDER BAY	-25.7	GERALDTON	33.2	OTTAWA
QUEBEC	18.6	SHERBROOKE	-15.1	LA GRANDE RIVIERE	90.0	GASPE
NEW BRUNSWICK	18.2	MONCTON	-3.5	ST STEPHEN	65.8	ST STEPHEN
NOVA SCOTIA	18.7	GREENWOOD	-2.1	GREENWOOD	64.0	SYDNEY
PRINCE EDWARD ISLAND	17.2	SUMMERSIDE	1.0	CHARLOTTETOWN SUMMERSIDE	21.6	CHARLOTTETOWN
NEWFOUNDLAND	21.5	COMFORT COVE	-4.2	WABUSH LAKE	84.5	BURGEO

(continued from page 3)

ATLANTIC PROVINCES

Torrential downpours of 30-65 mm increased the flow of rivers in the Maritimes. On April 25, over 40 mm of rain along the lower Saint John river contributed to local flooding. Owing to the recent heavy rains, field-work in the Maritimes came to a standstill as farmlands remained saturated.

Very warm air that covered the Atlantic Provinces produced numerous daily record high temperatures; for example, 20° on April 21, at St. John's Nfld. broke the old record of 12° set in 1945.

On April 25, the southern edge of the East Coast pack ice was just north of the Avalon Peninsula. The recent northerly winds produced ice congestion in Notre Dame Bay. An unusually large number of ice bergs are still embedded in the pack ice north of St. Anthony.

According to Ice Central in Ottawa, melt and decay of the southern and eastern edges of ice sheet will become more rapid in May. By mid-May the southern edge of pack ice should recede to Cape Bonavista.

CLIMATIC PERSPECTIVES

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TEMPERATURE AND PRECIPITATION DATA FOR THE WEEK ENDING 0600 G.M.T. APRIL 26, 1983

Station	Temperature (°C)				Precip. (mm)		Station	Temperature (°C)				Precip. (mm)		Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal		Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal		Extreme Maximum	Extreme Minimum	Total	Departure from Normal		
YUKON								Stewart	10	X	22	0	2.1	X	Petawawa	M	X	13	- 8P	11.8
Burwash	3	4	16	- 9	0.0	- 3.9		Terrace	10	4	22	2	1.6	- 5.2	Pickle Lake	3	3	20	- 14	0.0
Dawson	6	6	19	- 6	0.0	- 1.8		Vancouver	11	1	19	5	42.0	28.5	Red Lake	6	3	21	- 6	2.2
Faro	M	X	16P	- 5P	M	X		Victoria	10	1	16	4	12.8	2.9	Simcoe	5	- 3	13	- 3	M
Komakuk Beach	-11	6	3	-23	0.0	- 0.5		Williams Lake	7	2	18	- 2	5.2	- 0.1	Sioux Lookout	5	2	22	- 9	0.2
Mayo	5	5	19	- 6	0.0	- 2.0		ALBERTA							Sudbury	1	- 4	11	- 8	3.9
Shingle Point	- 8	6	7	-23	0.0	- 2.8		Banff	5	3	17	- 4	M	M	Thunder Bay	4	0	22	- 13	0.0
Teslin	M	X	10	- 5P	M	X		Calgary	9	5	22	- 1	38.1	31.8	Timmins	- 2	- 5	9	- 12	6.2
Watson Lake	4	3	17	- 9	0.3	- 3.8		Cold Lake	11	7	21	1	0.6	- 6.2	Toronto	3	- 5	11	- 3	0.4
Whitehorse	4	3	18	- 5	0.0	- 1.8		Coronation	1	8	23	1	4.4	- 1.8	Trenton	3	- 5	11	- 5	17.2
NORTHWEST TERRITORIES								Edmonton Intl	10	6	23	- 1	5.4	2.8	Upsala	M	X	16P	- 16P	M
Cape Parry	-11	6	- 5	-20	0.2	- 2.6		Edmonton Namao	10	6	22	0	1.7	- 2.3	Wawa	0	X	8	- 12	0.0
Cape Young	-14	4	- 4	-28	3.6	1.8		Edson	8	3	21	- 3	9.6	4.4	Wiarton	2	- 5	10	- 4	1.2
Clinton Point	-12	4	0	-25	4.0	0.7		Fort Chipewyan	4	1	14	- 5	M	M	Windsor	6	- 4	16	- 4	0.0
Coppermine	-10	5	- 5	-18	3.8	1.8		Fort McMurray	9	7	22	- 2	2.0	- 2.8	QUEBEC					
Fort Reliance	- 2	6	8	-13	3.6	1.7		Grande Prairie	8	4	20	- 1	19.2	13.7	Bagotville	4	0	9	- 1	36.8
Fort Simpson	5	6	14	- 4	3.9	- 3.7		High Level	7	3	17	- 3	0.3	- 12.0	Baie-Comeau	4	2	6	1	79.0
Fort Smith	5	6	15	- 4	0.3	- 3.9		Jasper	7	3	20	- 3	0.2	- 3.9	Blanc-Sablon	5	6	11	- 2	3.8
Hay River	2	5	12	- 5	2.0	- 3.3		Lethbridge	11	5	22	0	20.4	10.3	Border	M	M	4P	OP	M
Inuvik	- 1	11	9	-12	0.0	- 3.7		Lloydminster	11	X	20	1	2.4	X	Chevery	M	X	8P	- 4P	M
Lady Franklin Point	-11	6	- 5	-23	0.2	- 0.1		Medicine Hat	13	6	24	0	16.8	7.6	Chibougamau	- 1	X	5	- 9	26.4
Nicholson Peninsula	-11	5	1	-20	0.0	- 1.3		Peace River	9	6	22	- 2	0.2	- 4.1	Gaspé	5	X	13	- 4	90.0
Norman Wells	4	8	15	-11	0.6	- 2.5		Red Deer	10	6	22	- 1	23.0	15.0	Inukjuak	- 6	2	2	- 15	37.4
Port Radium	M	X	6P	- 9P	M	X		Rocky Mountain House	8	5	23	- 3	23.6	14.6	Kuujjuarapik	- 4	0	6	- 14	14.0
Robertson Lake	M	X	- 8P	-18P	M	X		Slave Lake	8	3	23	- 3	8.1	4.7	Lac-Eon	M	X	7P	OP	M
Tuktoyaktuk	-10	6	0	-22	0.0	- 0.8		Whitecourt	10	6	22	- 2	2.8	- 5.2	La Grande-Rivière	- 3	X	10	- 15	1.0
Yellowknife	1	6	10	- 6	0.0	- 2.3	SASKATCHEWAN							Maniwaki	2	- 4	11	- 15	10.2	
Baker Lake	-11	4	- 4	-17	9.1	5.8		Broadview	9	X	19	0	0.0	X	Matagami	- 4	X	6	- 12	M
Coral Harbour	-12	1	- 4	-21	2.4	- 2.3		Buffalo Narrows	M	M	20P	- 1P	M	M	Mont-Joli	4	1	10	0	29.1
Ennadai Lake	M	M	OP	-10P	M	M		Collins Bay	3	X	16	- 5	1.4	X	Montréal	4	- 4	12	- 4	36.2
Jenny Lind Island	-14	6	- 8	-23	3.0	1.9		Cree Lake	6	X	18	- 3	6.4	X	Natashquan	4	4	10	- 4	40.4
Pelly Bay	-15	3	- 9	-22	9.0	3.2		Eastend	M	X	17P	M	M	X	Nitchequon	1	5	7	- 7	16.8
Rankin Inlet	-11	X	- 5	-20	0.0	X		Elbow	12	X	25	1	M	X	Parent	M	X	3P	- 4P	M
Shepherd Bay	-16	4	- 8	-30	1.4	- 2.1		Estevan	11	5	22	0	0.0	- 8.2	Port-Menier	6	5	11	- 2	M
Broughton Island	-13	2	- 7	-21	26.4	24.4		Hudson Bay	8	5	22	- 3	M	M	Québec	4	- 1	11	- 3	47.4
Cape Dorset	- 9	X	- 3	-16	M	X		Kindersley	13	9	23	0	20.6	12.6	Rivièrel-du-Loup	M	M	9	- 1P	M
Cape Dyer	-11	4	- 4	-18	18.2	22.0		La Ronge	8	5	22	- 3	6.6	1.4	Roberval	3	- 1	8	- 2	46.0
Cape Hooper	-15	1	- 8	-22	24.7	20.5		Meadow Lake	10	X	20	- 1	2.0	X	Schefferville	2	7	8	- 4	18.9
Clyde	-17	0	-11	-26	3.4	1.7		Moose Jaw	12	7	24	2	0.0	- 8.9	Sept-Iles	3	2	10	- 1	58.6
Dewar Lakes	-14	4	- 8	-20	3.7	1.5		Nipawin	8	X	21	- 2	7.0	X	Sherbrooke	5	0	19	- 3	21.6
Frobisher Bay	- 4	8	0	- 8	17.1	12.4		North Battleford	12	7	22	0	16.1	9.2	Ste-Agathe-des-Monts	1	- 3	8	- 9	25.8
Longstaff Bluff	-11	6	- 5	-23	M	M		Prince Albert	9	5	22	- 1	10.7	3.3	Sutton Junction	M	X	9P	- 7P	M
Pond Inlet	-19	X	-10	-27	M	X		Regina	11	6	22	2	0.0	- 7.5	Val-d'Or	- 2	- 6	8	- 13	10.7
Alert	-22	0	-16	-27	0.0	- 1.3		Rockglen	M	X	21	2P	M	X	NEW BRUNSWICK					
Eureka	-25	0	-19	-30	0.0	- 0.5		Saskatoon	12	7	23	1	11.6	3.5	Charlo	3	1	10	- 3	32.3
Gladman Point	M	M	- 8P	-26	3.5	1.8		Swift Current	11	6	23	- 1	M	M	Chatham	7	2	17	- 2	33.2
Hall Beach	-16	3	- 9	-25	2.8	1.1</td														