

In the searing heat, at least 80 forest fires were ignited in Alberta. The fire hazard was high in southern British Columbia and northern Ontario. A major fire near Springdale, Nfld was still burning.


Lightning strikes were responsible for a house fire in Edmunston, N.B. and claimed one life near Montréal.


Owing to the hot and dry weather, river levels in Newfoundland are much below normal and fishing bans have been imposed on some rivers.


The relentless heat continued on the parched farm land of southern Prairies. No significant rain fell in the droughtstriken areas.


## WEEKLY TEMPERATURES EXTREMES ( ${ }^{\circ} \mathrm{C}$ )

## MAXIMUM

YUKON TERRITORY
31.4 Watson Lake

NORTHEST TERRITORIES 35.4 Fort Simpson
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
ONIARIO
QUEBEC
NEW BRUNSWICK
NOVA SCOTIA
PRINCE EDWARD ISLAND
NEWFOUNDLAND
38.2 Prince George
34.0 Fort Chl pewyan
36.0 Estevan
33.4 Thompson
32.6 Ottawa
32.2 Roberval
33.4 Fredericton
32.8 Greenwood
30.9 Summerside
28.8 Badger

## MINIMUM

0.2 Burwash

- 3.8 Broughton IsI and
2.7 Dease Lake
6.3 Banff
9.3 Meadow Lake
5.1 Churchlli
5.0 Moosonee
2.5 La Grande Rivière
10.0 Charlo
9.6 Western Head
13.4 Char lottetown
3.2 Battle Harbour


## ACROSS THE NATION

$\begin{array}{lr}\text { Warmest mean temper ature } & 24.8 \\ \text { Coolest mean temperature } & -0.6\end{array}$

Fort Chipewyan, ALB Broughton Island, NWT

## ACROSS THE COUNIRY...

## Yukon and Northwest Territories

Record-breaking warmth covered the southern Yukon and the Mackenzle Valley. Daytime readings climbed Into the low thirtles at several locations. At Whitehorse, $30.2^{\circ}$ on August 4 was the highest August temperature since records began in 1942. The eastem Arctic, however, continued to experlence unseasonably cool weather. Mean temperatures were 2 to 5 degrees below normal over Baffin $|s|$ and. Heavy ralns in the 25 to 50 mm range fell in the northern Yukon, but owling to the dry weather the forest fire hazard was on the rise in the southern Yukon. The eastern Arctic received 15 to 30 mm of rain this week.

## British Columbla

Overall, pleasant summer weather prevalied with only scattered shower and thundershower activity. Daytime temperatures in the inter lor climbed into the thirties. Towards the end of the period, thunderstorms became more prevalent as weak disturbances crossed the region. On August 5, heavy thunderstorms were reported at several locations in the south, and heavy downpours and strong gusty winds damaged trees and some water front propertles.

## Prairies

It was another sunny, hot and dry week with daytime readings reaching the mid-thirties and once again breaking many dally maximum temperature records. On August 3, the temperature at Uranium City reached $33^{\circ}$, the highlest ever recorded for any August. The forest fire situation is very serlous, espectally in Alberta. A dozen fires were burning out of control in the Province, the largest one located in the Athabasca forest District. Over the weekend, lightning strikes have Ignited 80 new fires. Widely scattered afternoon thundershowers were of little significance to the drought-stricken areas of the south. Crops in central districts are now beginning to show signs of heat and molsture and stress. Several communitles received, locally, heavy


## HEAVIEST WEEKLY PRECIPITATION (mm)

| YUKON | 37.0 | Komakuk Beach |
| :--- | ---: | :--- |
| NORTHEST TERRITORIES | 30.0 | KIIIInek |
| BRITISH COLUMBIA | 43.5 | Terrace |
| ALBERTA | 32.1 | Whitecourt |
| SASKATCHEWAN | 32.2 | North Battleford |
|  |  |  |
| MANITOBA | 22.0 | Norway House |
| ONIARIO | 47.2 | Kapuskasing |
| QUEBEC | 31.2 | Roberval |
| NEW BRUNSWICK | 30.8 | Charlo |
| NOVA SCOTIA | 1.0 | Truro |
|  |  |  |
| PRINCE EDWARD ISLAND | 0.2 | Summerside |
| NEWFOUNDLAND | 34.9 | Burgeo |

37.0 Komakuk Beach
34.9 Burgeo

Average annual number of Thunderstorm days in Canada

| New found Iand | 4.0 |
| :--- | ---: |
| PrInce Edward IsI and | 9.0 |
| Nova Scotla | 9.5 |
| New Brunswlck | 11.0 |
| Québec | 10.0 |
| Ontarlo | 20.0 |
| Manltoba | 18.5 |
| Saskatchewan | 19.5 |
| Alberta | 17.5 |
| BrItish Columbla | 7.5 |
| Yukon TerrItory | 7.0 |
| Northwest Territorles | 2.5 |

downpours and hail. On July 30, near the community of Weyburn, southeast of Regina, more than 200 mm of rain fell in the late after noon.

## Onterlo

Persistent hot and hazy weather produced the longest warm spell of the season over the Province. Afternoon temperatures remalned near $30^{\circ}$ while high nightime humidity and near record-high minimum temperatures comblned to create uncomfortably high humidex readings in the mid to high thirtles. Rainfall was spotty, many southern Ontario locatlons remalned dry; Toronto, for example, has recelved only 19 mm of rain during the last 4 weeks.

On August 2, outbreak of violent thunderstorms resulted in a funnel cloud at Brigden near Sarnla as well as heavy ralns at Georgetown that caused local flooding.

## Quebec

Hot and humid air mass arrived over the southwestern regions and moved over the rest of southern Québec by the weekent. Several dally record-high temperatures were broken Including $32^{\circ}$ at Roberval on August 4. Precipitation was IIght; however, local thunderstorms dumped 10 to 15 mm of rain at some locations. On August 3, pea size hall was reported at Trois Rivières and lightning strike killed one person at Granby near Mbntréal.

## AtIantic Provinces

Atlantic Canada's weather was hot and dry. Numerous stations in the Maritimes established recordhigh temperatures as the mercury climbed into the mid-thirties, including $33^{\circ}$ at Greenwood on August 6. Owing to the lack of rain, vegetable crops in Newfoundland and Nova Scotia were suffering from molsture stress and stunted growth. Also pasture growth in Nova Scotia was described as poor. The hot and dry weather has lowered river levels throughout most of Newfoundland and fishing bans have been imposed on some rivers. The forest fire hazard was high, the biggest fire near

## SOIL MOISTURE



## Soll Molsture Index

A derived index mapped as a percentage of the assumed soll water holding capacity at each station. It is a relative indicator of the molsture status of the soll.

100 = completely saturated
$50=50$ per cent of assumed holding capaclty
$0=$ absolutely dry

TEMPERATURE ANOMALY FORECAST


Temperature Anomaly Forecast
The temperature anomaly forecast, for each of the 70 Canadian stations, is prepared by searching historical weather maps to find cases similar to the present one. The principle used is that a prediction for the next 15 days may be based on what is known to have actually happened dur ing the 15 -day anomaly periods. After the five best sets are selected, the surface temperature anomalles are calculated. This results in five separate fore casts, which are averaged to provide the consensus forecast deplcted.
++ much above normal
$+\quad$ above normal
N normal

- below normal
- much below normal
A

Cont'd from page 3

Springdale was stlll burning but It was under control.

On August 5, damaging winds
accompanled by heavy downpours struck Edmunston. The roof was blown off one house and lightning
strike started a house fire, property damage from the storm was estimated to be near $\$ 200,000$.

## STORM TRACKS



TEMPERATURE, PRECIPITATION AND BRIGHT SUNSHINE DATA FOR THE WEEK ENDING 0600 GMT AUGUST 07,1984

$A v=$ weekly mean temperature $\left({ }^{\circ} \mathrm{C}\right)$
$M \times=$ weekly extreme maximum temperature $\left({ }^{\circ} \mathrm{C}\right)$
$\mathrm{Mn}=$ weekly extreme minimum temperature $\left({ }^{\circ} \mathrm{C}\right)$
$T p=$ weekly total precipitation (mm)
$D p=$ Departure of mean temperature from normal $\left({ }^{\circ} \mathrm{C}\right)$

SOG $=$ snow depth on ground $(\mathrm{cm})$, last day of the perlod
$H=$ weekly total bright sunshine (hrs)
X = not observed
$P=$ extreme value based on less than 7 days

* $=$ not avallable at press time



