

A

F=1

JULY

1. DATE AND TIME 18.7.1952 1730 EST

2. LOCATION OR PATH (attach map) ① PUSLINCH 06952-03  
DESCRIBED AT ONE POINT AS TRAVELLING IN AN "S" SHAPE  
② OAKVILLE 06952-05

3. PATH LENGTH  NOT KNOWN  <1mi;  1-4mi;  5-10mi;  11-50mi;  LENGTH IF >50mi

4. PATH WIDTH 10 ACRES FIELDS. TORNADO PART OF SMALL LINE?  YES;  NO;  UNKNOWN:

6. ANY UNUSUAL COLORATION?  YES;  NO;  UNKNOWN

7. ANY UNUSUAL SOUND?  YES;  NO;  UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE; 6. BLACK  
7. THE SOUND OF A TRAIN PASSING OVER A TRASTLE BRIDGE

9. LIST ANY ASSOCIATED PHENOMENA  
(Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE \$ TENS OF THOUSANDS 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES TORONTO DAILY STAR, JULY 19 1952  
PERSONAL CORRESPONDENCE WITH MRS MARTIN PADDOCK OF PUSLINCH.

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

(a) ALEX CONNELL LOOKING OUT OVER HIS FARM LANDS SAW THE BLACK FUNNEL COMING FROM A MILE AWAY. MRS PADDOCK LOOKING WEST FROM HER KITCHEN WINDOW SAW A BLACK FUNNEL SHAPED CLOUD BEARING DOWN ON HER WITH TREES WHIRLING IN IT

(b) BARNS DEMOLISHED AND DEBRIS SCATTERED INTO TREES AND ACROSS FIELDS. A CAR TOSSED 50 FEET. TREES UPROOTED, CLOTHING SUCKED OUT OF HOUSES. A CONCRETE BLOCK BUILDING UNDER CONSTRUCTION COLLAPSED AND THE FRAMEWORK TWISTED IN OAKVILLE.

CONVERSATION WITH MRS MARTIN PADDOCK. ON JULY 18 1980. TO LOCATE HER FARM ON TOP. MAP BY P. ELMS. (519)-824-6659

MRS PADDOCK MENTIONED A MR FIXTER WHO HAD DAMAGE IN THE PUSLINCH TORNADO

The Paddock Home had 14" brick walls tipped in

WORKSHEET 069520598

ORIGIN  $x$  17598500  
 $y$  4809200

$d = 5000$   
 $w = 500$   
Standard Error  $S_x$   
 $R = 456 \text{ m}$

LIFT-OFF  $x_1$  17606600  
 $y_1$  4808600

Standard Error  $S_y$   
 $C = 1000 \text{ m}$

$$\begin{aligned}(x_1 - x) &= 8100 \\ (y - y_1) &= 600\end{aligned}$$

DAMAGE LENGTH

$$\begin{aligned}L &= [(x_1 - x)^2 + (y - y_1)^2]^{1/2} \\ &= 8122 \text{ m}\end{aligned}$$

$$\begin{aligned}\text{Standard Error } S_L &= (S_x^2 + S_y^2)^{1/2} \\ &= 1099 \text{ m}\end{aligned}$$

$$\begin{aligned}\beta &= \frac{S_L}{57.29 L} \\ &= 8^\circ\end{aligned}$$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|} = 4.2^\circ$$

NE Quad  $\phi = 90 - \alpha$   
NW Quad  $\phi = 270 + \alpha$   
SW Quad  $\phi = 270 - \alpha$

SE Quad  $\phi = 90 + \alpha$   
 $\phi = 274^\circ$

WORKSHEET 0695203

$$L = 8000$$
$$w = 500$$

ORIGIN  $x$  17560000  
 $y$  4807300

Standard Error  $S_x$   
 $R = 577$

LIFT-OFF  $x_1$  17580000  
 $y_1$  4806400

Standard Error  $S_y$   
 $R = 577$

$$(x_1 - x) = 20000$$
$$(y - y_1) = 900$$

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$
$$= 20020 \text{ m}$$

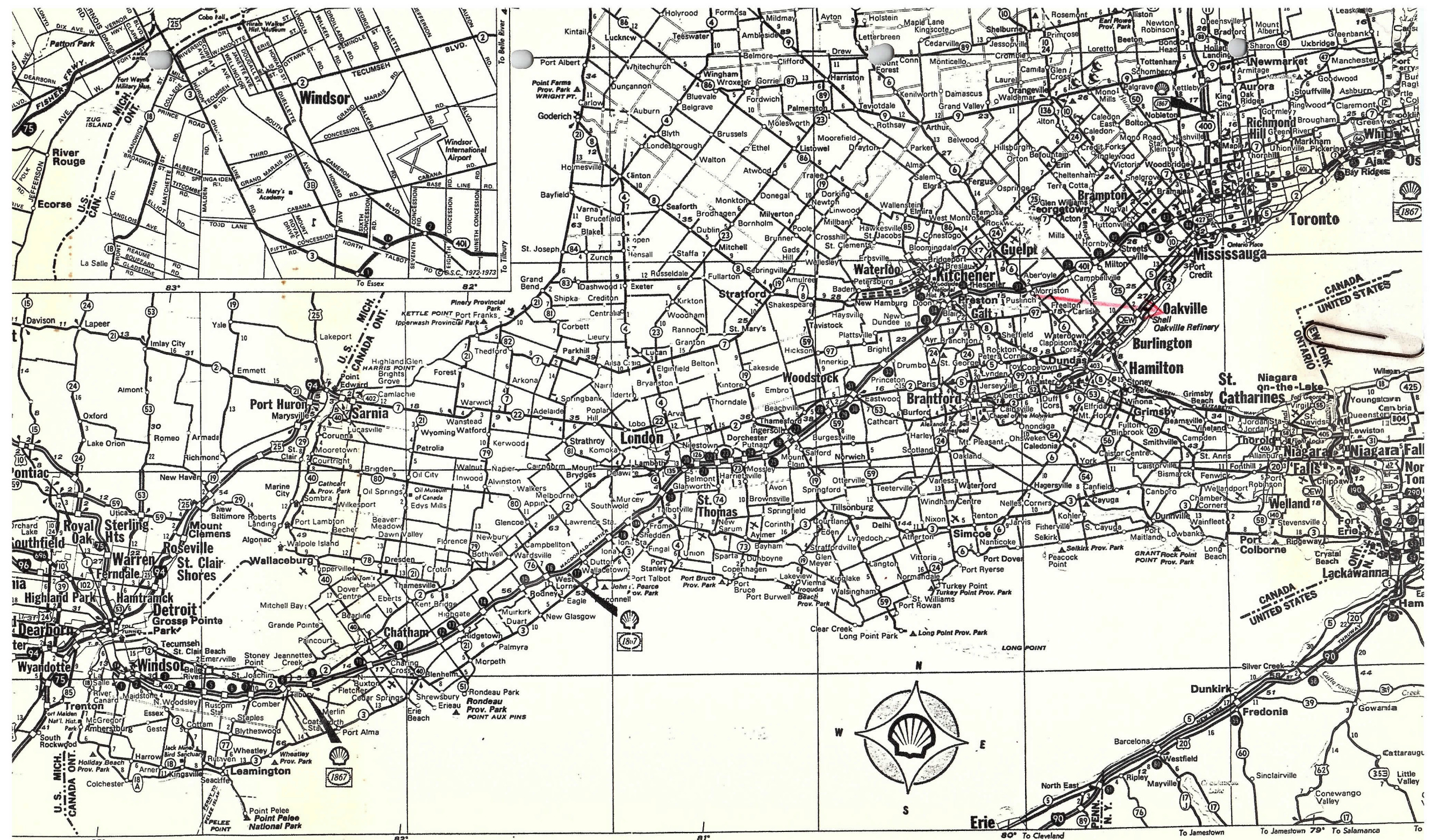
Standard Error  $S_L = (S_x^2 + S_y^2)^{1/2}$   
 $= 816 \text{ m}$

$$\beta = \frac{S_L}{57.29 L}$$
$$= 2^\circ$$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|} = 2.57^\circ$$

NE quad  $\phi = 90 - \alpha$   
NW quad  $\phi = 270 + \alpha$   
SW quad  $\phi = 270 - \alpha$

SE quad  $\phi = 90 + \alpha$   
 $\phi = 273^\circ$



JULY 18 1952

6:30 pm EDT

Punslingh

The Ontario Weather Centre  
Box 159 Toronto. A.N.F. 251 181

Dear Sir:

Re: Your notice in the Globe  
about Toronto eye  
witnesses.

We had had a very hot  
humid day, on July 18,  
1952. A shower near supper  
time so I asked the men  
to have early supper  
which was very hot.  
Some air. Two of the  
boys were helping me  
with the dishes. I took  
some cherries I had canned  
down cellar + when I  
came back up, I went  
to the sink, which faced

mostly down to the floor.  
I looked up and saw  
this black smoke  
shaped cloud bearing  
down on me. I ran  
to the top to run up  
a short water window  
I ran outside to see  
up over my head by  
who was playing on  
an outside cellar  
spot on the back  
of my head. I saw my  
husband looking at  
me last time I saw  
+ shook my head at  
him and grabbed  
the child + ran inside  
I could not get the

4)  
were taken off. Curtains  
& blinds rucked out and  
away. we had glass  
& debris all over the  
place. If you were  
ever under a trestle  
bridge when a train  
passed over, that is  
what it sounded like  
& lasted only a few  
minutes. The clock  
stopped at 6:30. I went  
in and shape & did  
some damage to a home,  
a barn & drive shed &  
the <sup>if neighbors</sup> house raised  
in the air & away. The  
barn across the road  
was totally demolished  
by high winds, it was  
(thought) stabled at Pushout  
Lake

3)  
kitchen door which  
ran up in a corner  
by the cupboard. I also  
had seen what looked  
like a tree which  
in this funnel shaped  
cloud. I struck us  
just as I got into the  
house. A pit is as wide  
as a 10 acre field.  
It shifted the barn & it  
took the roof & doors  
took the whole drive  
shed away. I was  
over windmill like a  
newspaper. It was home  
taking off the roof & ceiling  
on the west side. Only  
2 windows were left in  
the house. 3 chimneys

... down ...  
a bush. then down then  
an oat field to our house.  
The men thought it was  
stretching me a story when  
I said I saw a tree on  
the north side. When  
they had time to go back  
to the oat, they found a  
large ...  
of it (the field)  
The tree carried picture  
or some damage

Hope this is of some  
help to you.

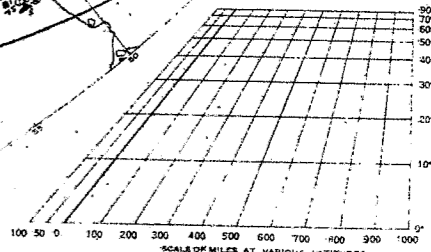
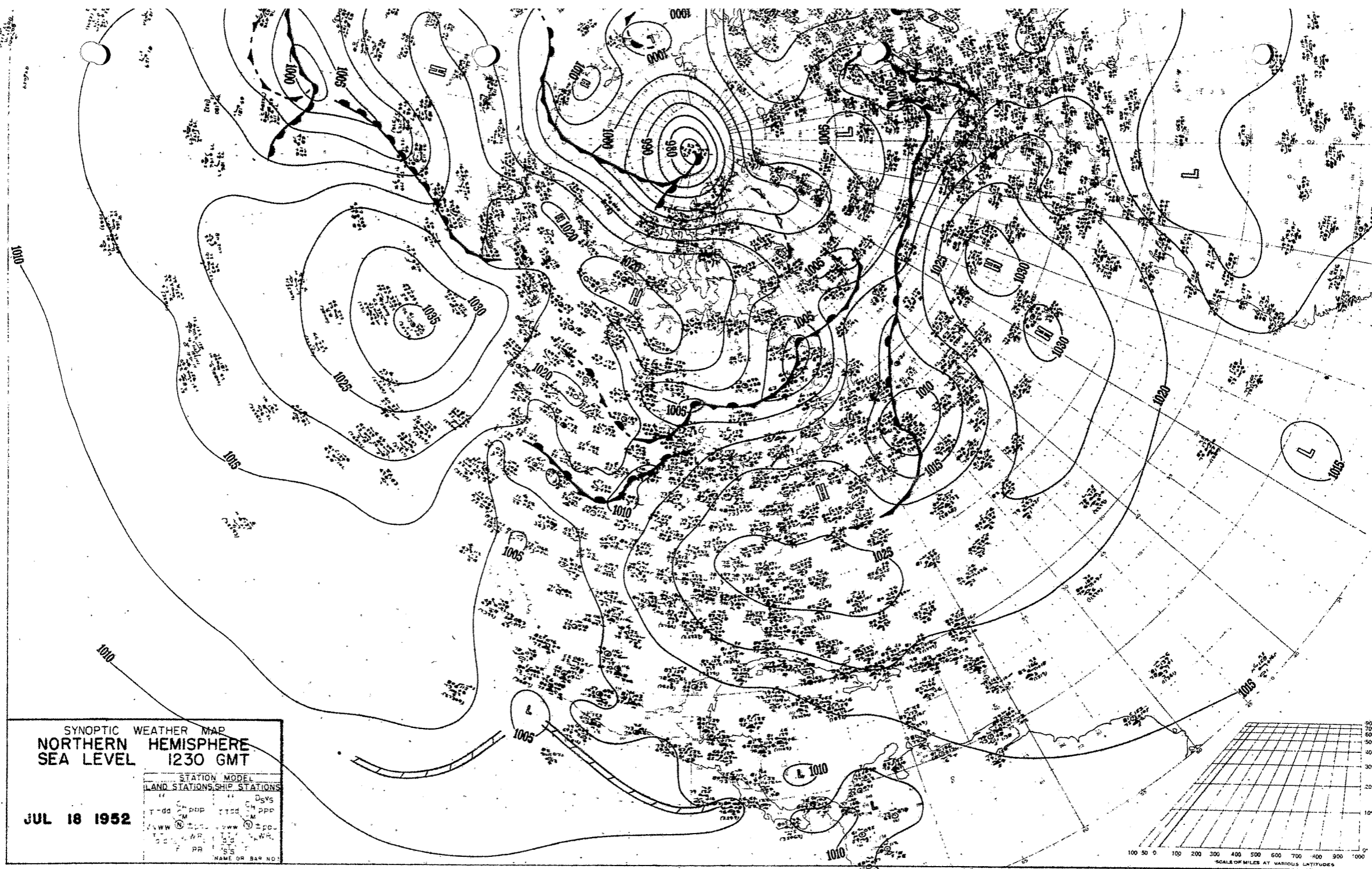
Express trees.  
Mrs. ...  
It'll never get this storm  
it cost us thousands and no  
wind insurance, which was dropped  
in ...

**SYNOPTIC WEATHER MAP**  
**NORTHERN HEMISPHERE**  
**SEA LEVEL 1230 GMT**

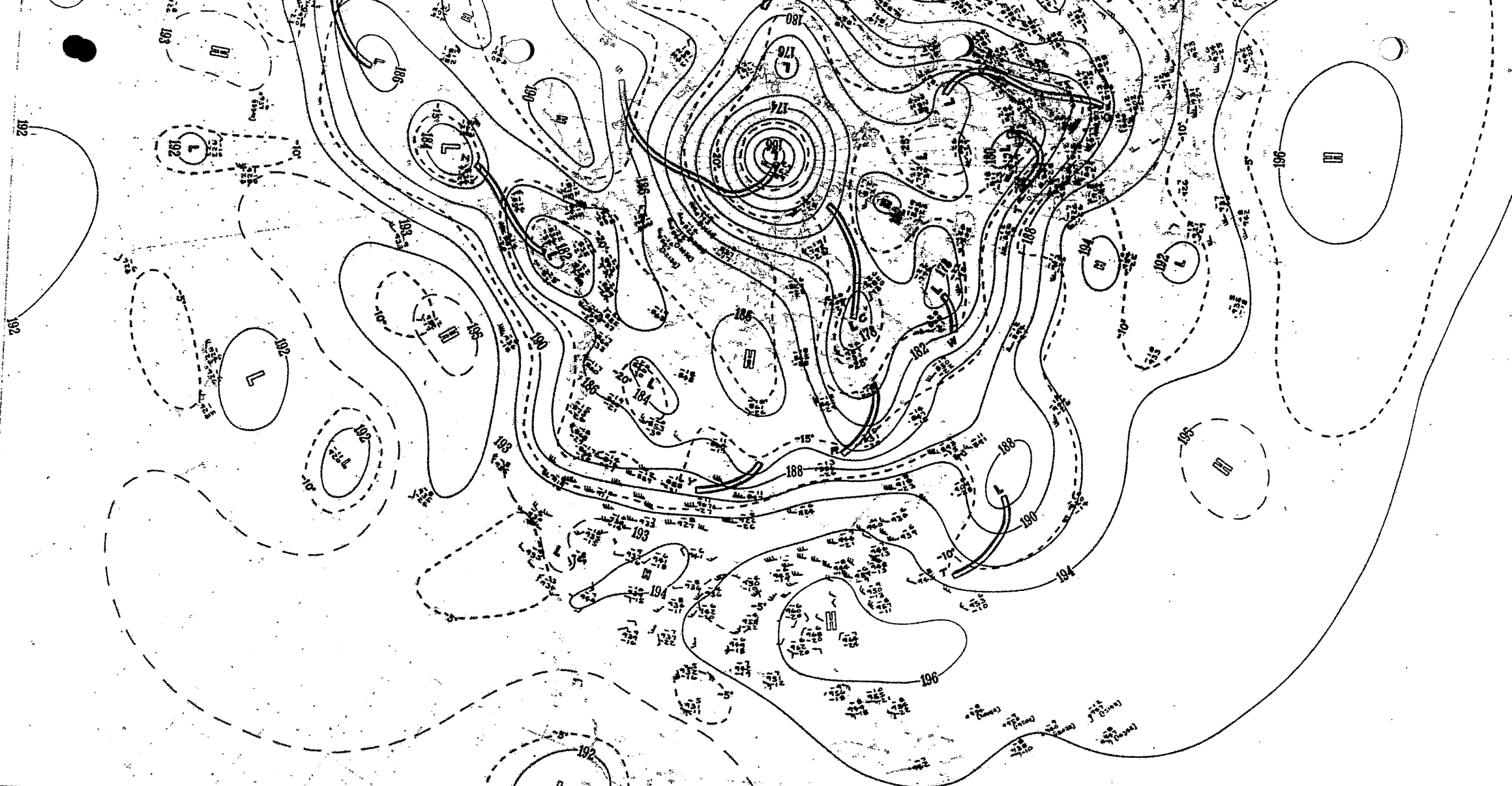
**JUL 18 1952**

STATION MODEL  
 LAND STATIONS SHIP STATIONS

Dsvs  
 Tdd PPP TSD M PPP  
 M  
 WWW @ WWW @ WWW @ WWW @  
 @ W W W W W W W W W W W W W  
 PR SS  
 NAME OR BAR NO.







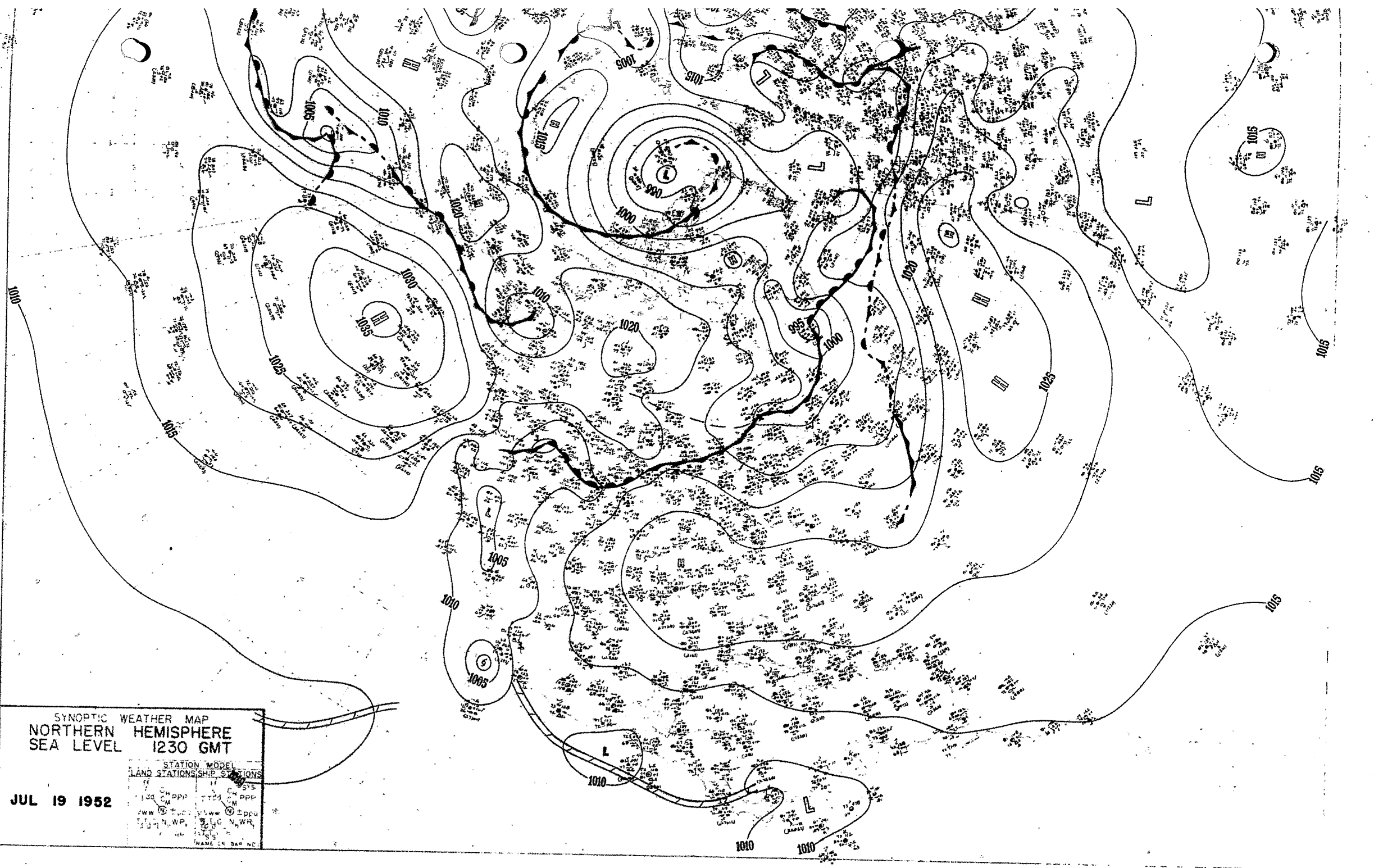
SYNOPTIC WEATHER MAP  
NORTHERN HEMISPHERE  
500 MB 1500 GMT  
UPPER AIR STATION MODELS  
FAIR STATION LIGHT REPORTS  
JUL 18 1952

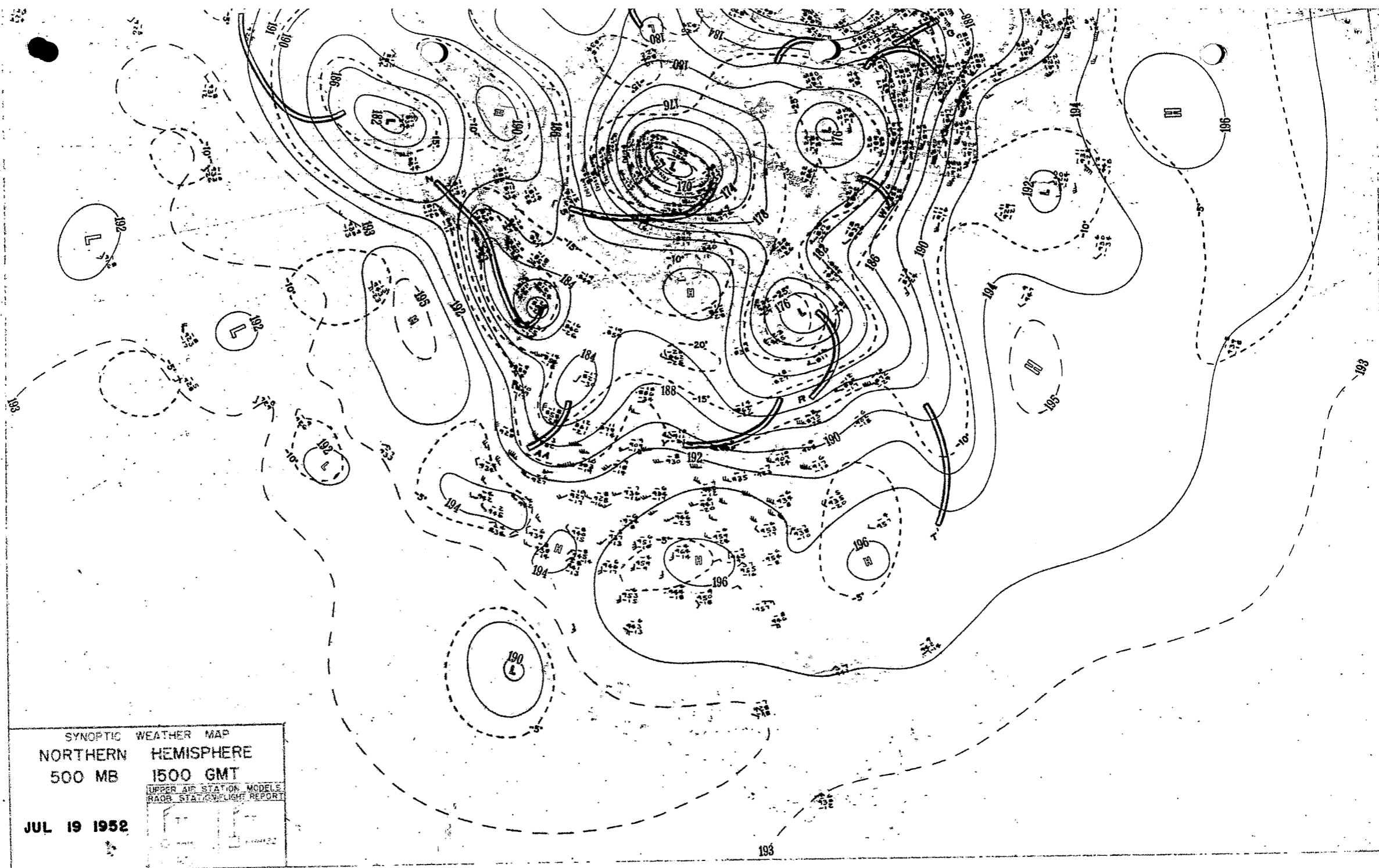
SYNOPTIC WEATHER MAP  
NORTHERN HEMISPHERE  
SEA LEVEL 1230 GMT

STATION MODEL	
LAND STATIONS	SHIP STATIONS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

JUL 19 1952

NAME OF BAROC





SYNOPTIC WEATHER MAP  
 NORTHERN HEMISPHERE  
 500 MB 1500 GMT  
 UPPER AIR STATION MODELS  
 RAOB STATION WEATHER REPORT

JUL 19 1952