

PROJECT 10073 RECORD

1. DATE - TIME GROUP 23 July 1968 Conflicting	2. LOCATION Southampton, New York
3. SOURCE Civilian	10. CONCLUSION Visual: Other (CONFLICTING DATA) Photo: Probable Other (SMALL MAN MADE OBJECT) Phy Spec: Other (PUMICE LIKE GLASS)
4. NUMBER OF OBJECTS One	The observer originally reported that he had sighted the
5. LENGTH OF OBSERVATION 1-2 Minutes	11. BRIEF SUMMARY AND ANALYSIS object at 1 PM local, However on his 117 he reported it as 3 PM local. Originally reported that object came from SSE, went directly overhead, hovered, then went straight up out of sight but was photographed in the NNW. In his 117 the observer indicated that the object traveled from the NE to the SW.
6. TYPE OF OBSERVATION Ground-Visual	
7. COURSE Conflicting	
8. PHOTOS ☒ Yes ☐ No	The observer sighted and photographed a black object. The object reportedly dropped some material that was forwarded for analysis. The physical sample was of a pumice like glass and was certainly not of extraterrestrial origin. The photo closely resembles a frisbe and several statements made by the observer conflict.
9. PHYSICAL EVIDENCE ☒ Yes ☐ No Returned	

23 July 68
TDPT (UFO)

UFO Report of 23 July 1968

Mr. [REDACTED]
Hartsdale, New York 10530

DEC 20 1968

Inclosed is the material and photo you submitted to the Air Force for a UFO of 23 July 1968. The physical specimen was determined to be a pumice-like glass that has been marketed as sanding material for preparing wood surfaces. Also inclosed is your polaroid print containing an alleged UFO. The Air Force does not feel that the image in this photograph is of an extraterrestrial craft.

for *ELM*
HECTOR QUINTANILLA, Jr, Lt Colonel, USAF
Chief, Aerial Phenomena Branch
Aerospace Technologies Division
Production Directorate

2 Atch

1. Specimen for 23 July 1968 UFO sighting
2. Polaroid Print

TDPT (UFO) OFFICIAL FILES CY

7-3745-313

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS FOREIGN TECHNOLOGY DIVISION (AFSC)
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433



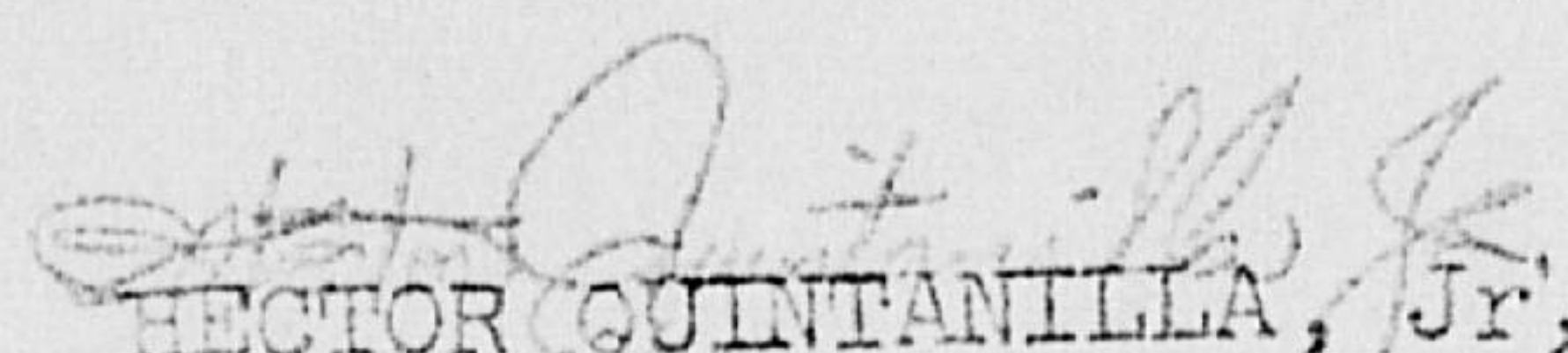
REPLY TO
ATTN OF: TDPT (UFO)

NOV 23 1968

SUBJECT: Physical Specimen, 23 July 68

TO: Dr J Allen Hynek

Reference the attached specimen that was sent to this office as an unidentified flying object. The sample appears similar to pumice, however, we would appreciate it if you would have the Geology Department at Northwestern University look at it. If possible, we would like to have the specimen returned by 30 December 1968 so that we can send it back to the owner.


HECTOR QUINTANILLA, Jr, Lt Colonel, USAF
Chief, Aerial Phenomena Office
Aerospace Technologies Division
Production Directorate

1 Atch
Specimen

Not from author's spec!
Allen

RECEIVED

NOV 25 1968

ASTRONOMY DEPARTMENT
NORTHWESTERN UNIVERSITY

NORTHWESTERN UNIVERSITY

EVANSTON, ILLINOIS 60201

DEPARTMENT OF ASTRONOMY

LINDHEIMER ASTRONOMICAL RESEARCH CENTER

11 December 1968

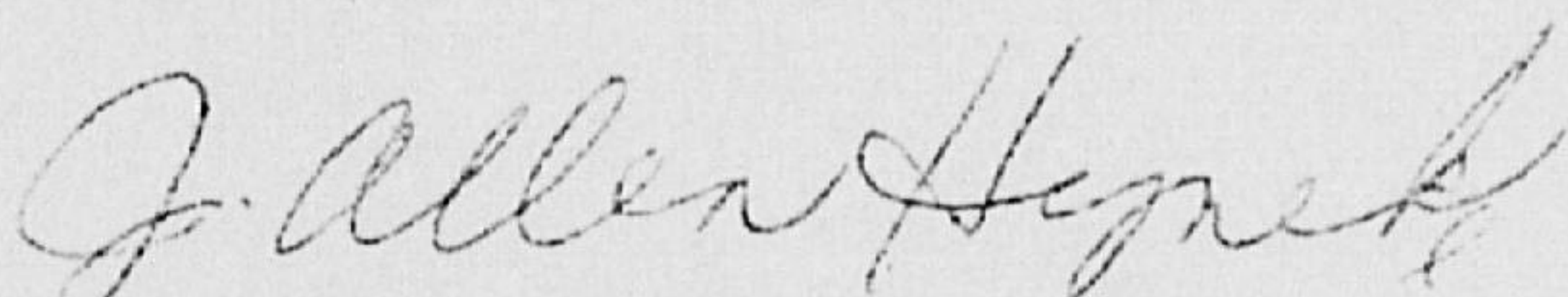
FTD (TDETR)
Research and Aerial Phenomena Division
Wright-Patterson Air Force Base
Ohio 45433

Attn: TDPT (UFO)

Subj: Physical Specimen and Analysis, 23 July 1968

To: Lt. Col., Hector Quintinalla, Jr.

I am returning the specimen and the results of the analysis made of it in answer to your letter of 22 November 1968 in connection with the above referenced subject.



J. ALLEN HYNEK, Director
Lindheimer Astronomical Research Center
Northwestern University
Evanston, Illinois 60201

JAH:lp
encl.

Gentlemen:

In regard to your request
I have enclosed the photograph,
and a sample of the material
that I recovered from the object.
I do not have conclusive proof
that this is the material that
(OVER)

fell from the U.F.O.. I would like
your written evaluation of my
report forwarded as soon as
conveniently possible.

Sincerely yours,



SIGHTING OF UNIDENTIFIED PHENOMENA QUESTIONNAIRE

BUDGET BUREAU APPROVAL
NUMBER 21-R259

THIS QUESTIONNAIRE HAS BEEN PREPARED SO THAT YOU CAN GIVE THE U.S. AIR FORCE AS MUCH INFORMATION AS POSSIBLE CONCERNING THE UNIDENTIFIED PHENOMENON THAT YOU HAVE OBSERVED. PLEASE TRY TO ANSWER ALL OF THE QUESTIONS. THE INFORMATION YOU GIVE WILL BE USED FOR RESEARCH PURPOSES. YOUR NAME WILL NOT BE USED IN CONNECTION WITH ANY OF YOUR STATEMENTS OR CONCLUSIONS WITHOUT YOUR PERMISSION. RETURN TO AIR FORCE BASE INVESTIGATOR FOR FORWARDING TO FTD (TDETR), WRIGHT-PATTERSON AFB, OHIO 45433, IAW AFR 80-17. (IF ADDITIONAL SHEETS ARE NEEDED FOR NARRATIVE OR SKETCHES ATTACH SECURELY TO THIS FORM OR ANNOTATE WITH YOUR NAME FOR IDENTIFICATION.)

1. WHEN DID YOU SEE THE PHENOMENON?

DAY 23 MONTH JULY YEAR 68

2. WHAT TIME DID YOU FIRST SIGHT THE PHENOMENON?

HOUR 3 MINUTES 00 ☐ A.M. ☒ P.M.

3. WHAT TIME DID YOU LAST SIGHT THE PHENOMENON?

HOUR 3 MINUTES 00 ☐ A.M. ☒ P.M.

4. TIME ZONE

☒ DAYLIGHT SAVINGS☐ STANDARD☐ EASTERN☐ CENTRAL☐ MOUNTAIN☐ PACIFIC☐ OTHER

5. WHERE WERE YOU WHEN YOU SAW THE PHENOMENON? IF IN CITY, GIVE THE NEAREST STREET ADDRESS AND INDICATE ON A HAND DRAWN MAP WHERE YOU WERE STANDING WITH REFERENCE TO THE ADDRESS. IF IN THE COUNTRY, IDENTIFY THE HIGHWAY YOU WERE ON OR NEAR AND TRY TO FIX A DISTANCE AND DIRECTION FROM SOME RECOGNIZABLE LANDMARK.

MONTAUK HIGHWAY

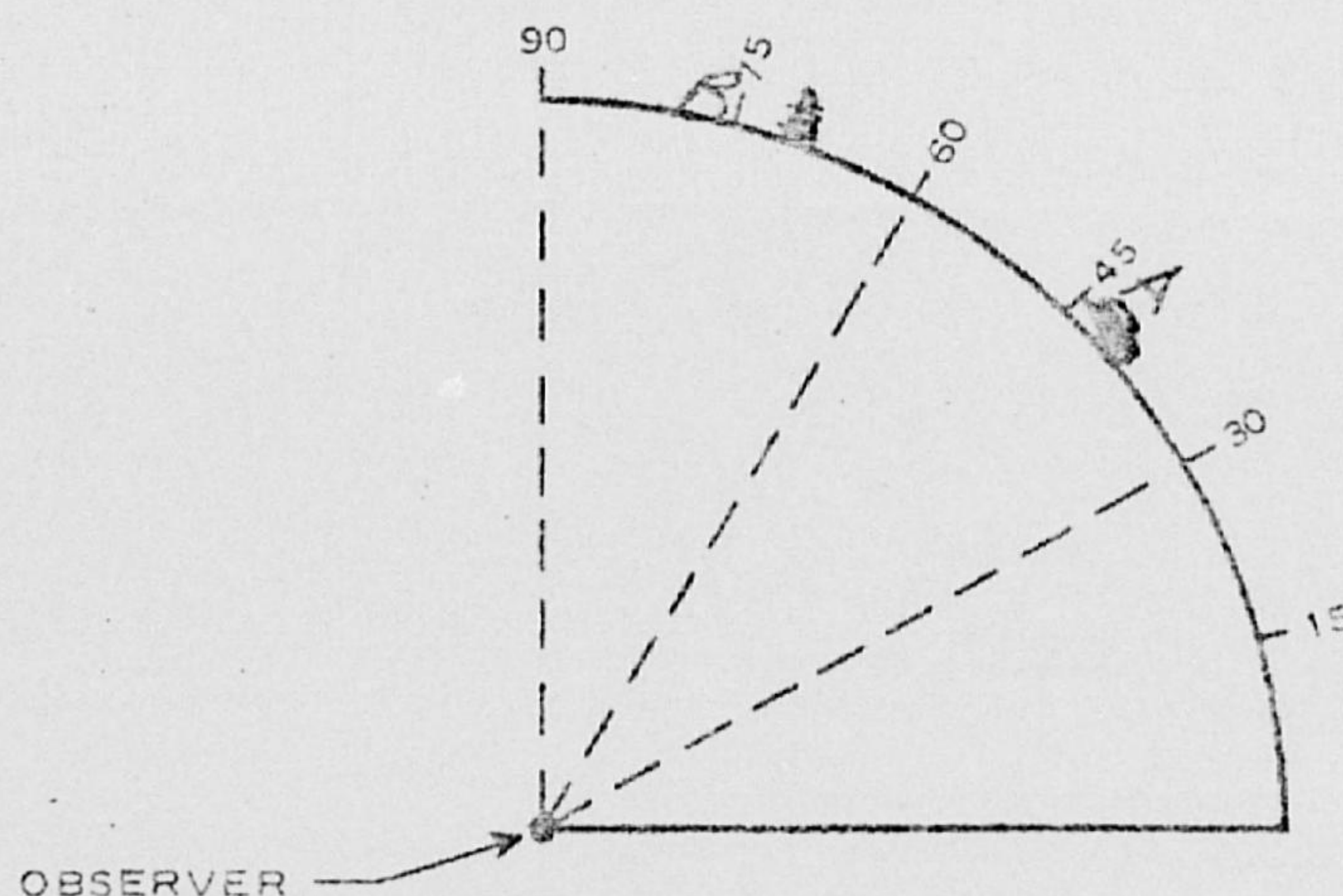
SHINICK BAY

WALLEY NECK RD

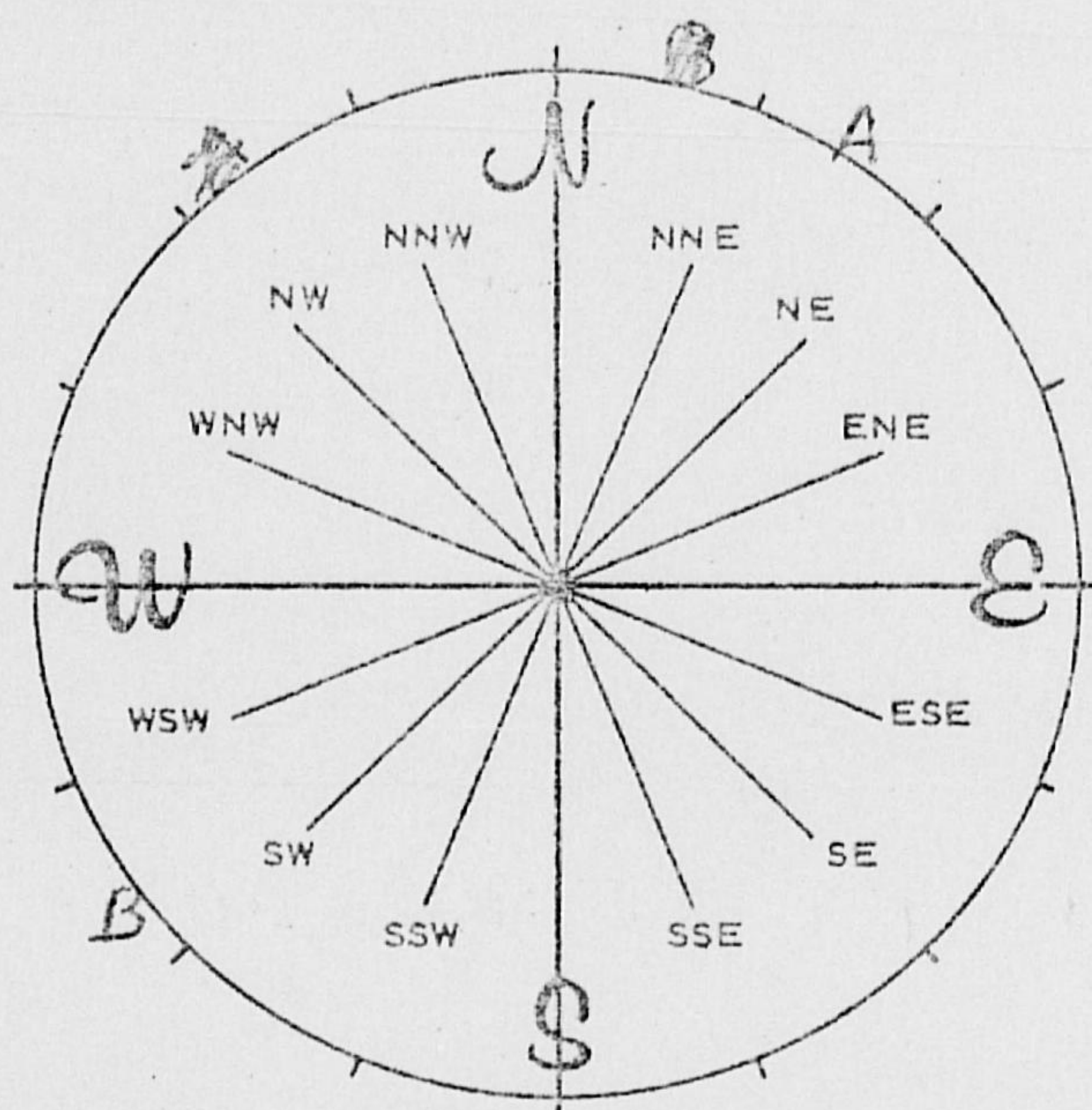
DUNE ROAD

Atlantic Ocean

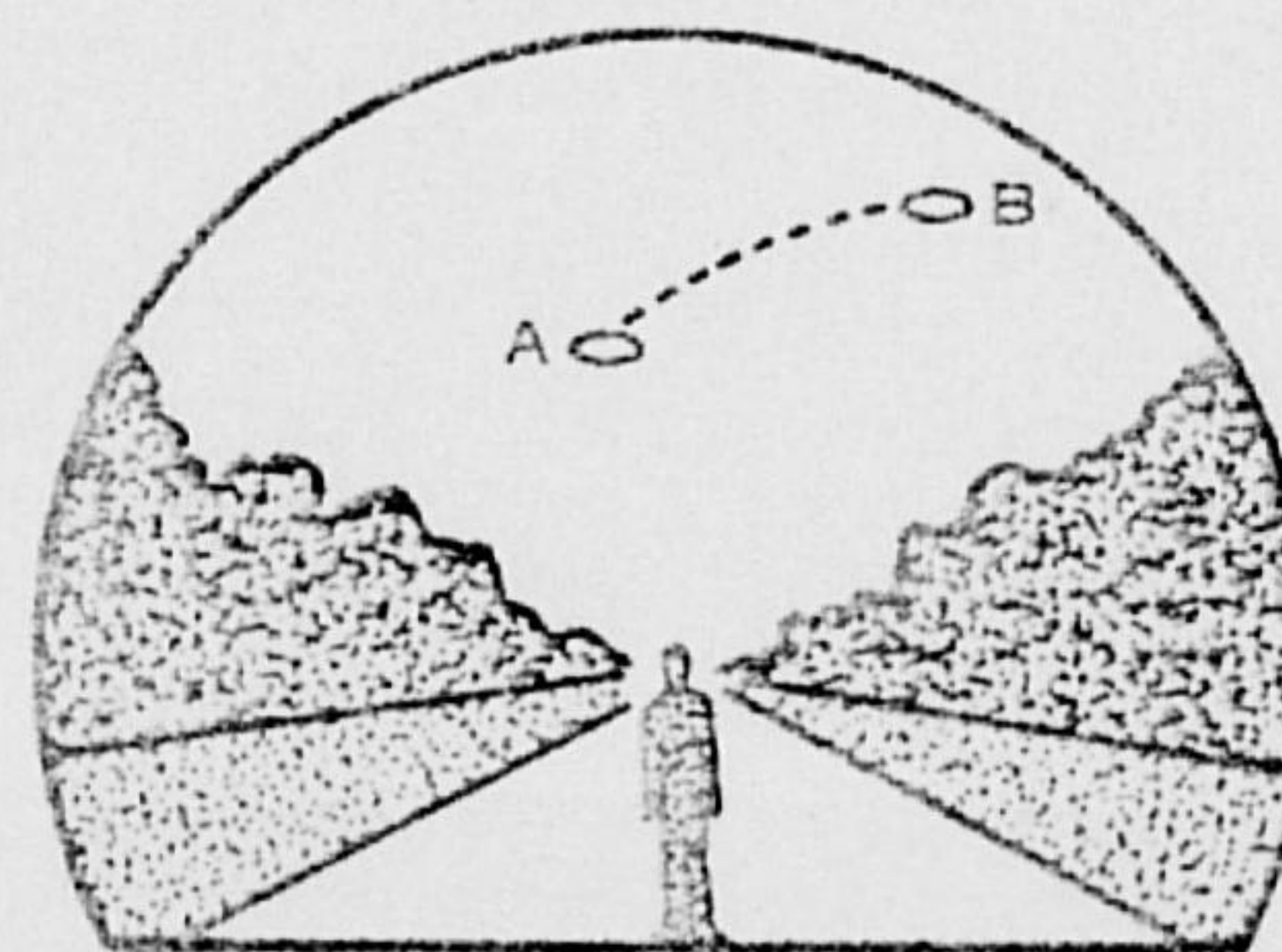
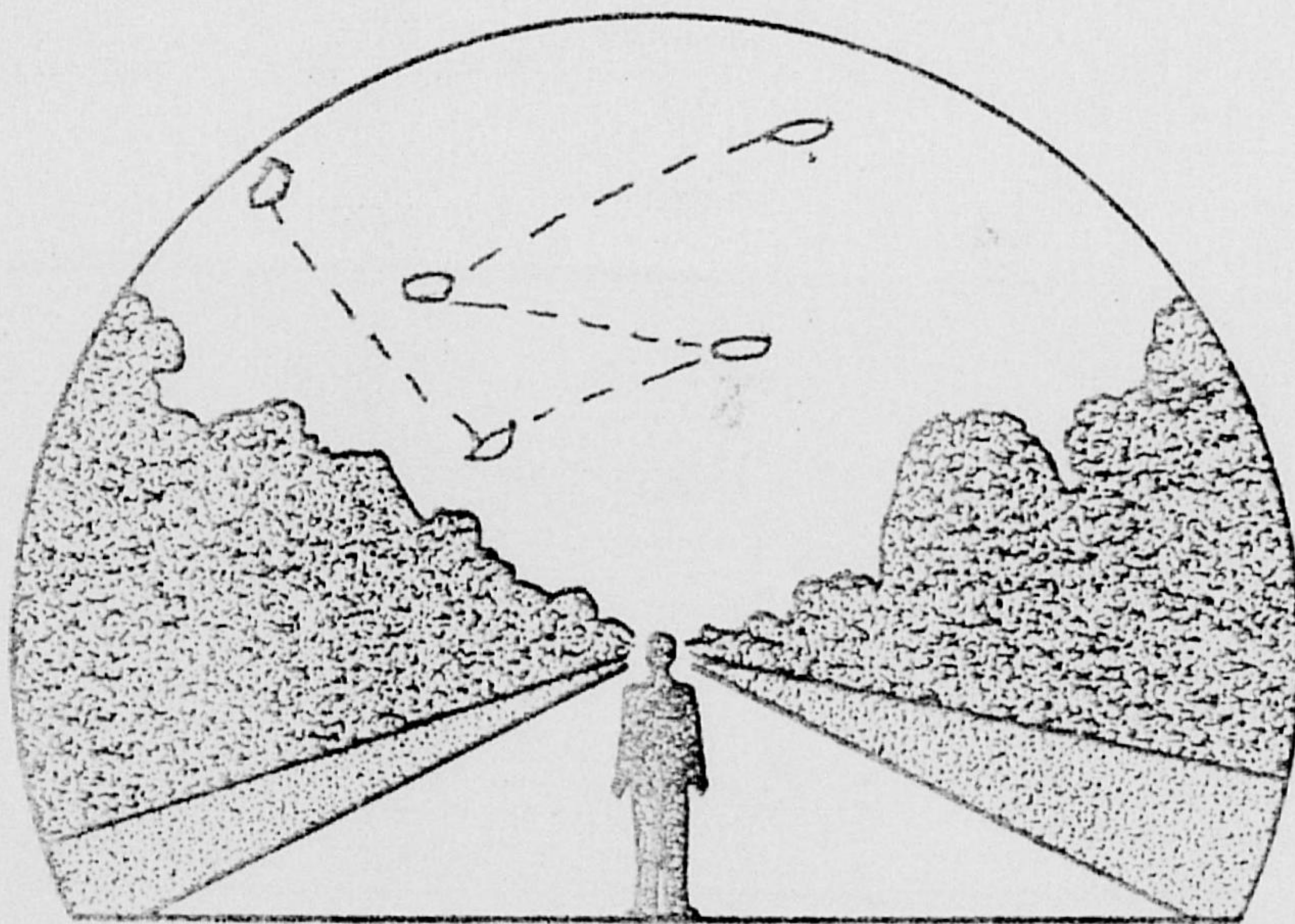
6. IMAGINE YOU ARE AT THE POINT SHOWN IN THE SKETCH, PLACE AN "A" ON THE CURVED LINE TO SHOW HOW HIGH THE PHENOMENON WAS ABOVE THE HORIZON, OR SKYLINE, WHEN FIRST SEEN. PLACE A "B" ON THE SAME CURVED LINE TO SHOW HOW HIGH ABOVE THE HORIZON THE PHENOMENON WAS WHEN LAST SEEN.



5A. NOW IMAGINE YOU ARE AT THE CENTER OF THE COMPASS ROSE. PLACE AN "A" ON THE COMPASS TO INDICATE THE DIRECTION TO THE PHENOMENON WHEN FIRST SEEN. PLACE A "B" ON THE COMPASS TO INDICATE THE DIRECTION TO THE PHENOMENON WHEN LAST SEEN.



7. IN THE SKETCH BELOW, PLACE AN "A" AT THE POSITION OF THE PHENOMENON WHEN FIRST SEEN, AND A "B" AT THE POSITION OF THE PHENOMENON WHEN LAST SEEN. CONNECT THE "A" AND "B" WITH A LINE TO APPROXIMATE THE MOVEMENT OF THE PHENOMENON BETWEEN "A" AND "B". THAT IS, SCHEMATICALLY SHOW WHETHER THE MOVEMENT APPEARED TO BE STRAIGHT, CURVED OR ZIG-ZAG. REFER TO SMALLER SKETCH AS AN EXAMPLE OF HOW TO COMPLETE THE LARGER SKETCH.



3. WHERE WERE YOU WHEN YOU SAW THE PHENOMENON? (Check appropriate blocks.)			
☒	OUTDOORS		IN BUSINESS SECTION OF CITY
	IN BUILDING		IN RESIDENTIAL SECTION OF CITY
	IN CAR ☐ AS DRIVER ☐ AS PASSENGER	☒	IN OPEN COUNTRYSIDE
	IN BOAT		NEAR AIRFIELD
	IN AIRPLANE ☐ AS PILOT ☐ AS PASSENGER		FLYING OVER CITY
	OTHER		FLYING OVER OPEN COUNTRY
			OTHER
A. IF YOU WERE IN A VEHICLE, COMPLETE THE FOLLOWING:			
WHAT DIRECTION WERE YOU MOVING?		HOW FAST WERE YOU MOVING?	
☐ NORTH	☐ EAST	DID YOU STOP ANYTIME WHILE OBSERVING THE PHENOMENON? ☐ YES ☐ NO	
☐ SOUTH	☐ WEST		
☐ NORTHEAST	☐ SOUTHEAST		
☐ NORTHWEST	☐ SOUTHWEST		
EXPLAIN WHETHER SUCH MOVEMENT AFFECTS YOUR SKETCHES IN ITEMS 5 AND 6.			
DESCRIBE TYPE OF VEHICLE YOU WERE IN AND TYPE OF ROAD, TERRAIN OR BODY OF WATER YOU TRAVERSED DURING THE SIGHTING. STATE WHETHER WINDOWS OR CONVERTIBLE TOP WERE UP OR DOWN.			
HOW MUCH OTHER TRAFFIC WAS THERE?			
DID YOU NOTICE ANY AIRPLANES? ☐ YES ☒ NO. IF "YES," DESCRIBE WHEN THEY WERE IN SIGHT RELATIVE TO THE TIME OF SIGHTING THE PHENOMENON AND WHERE THEY WERE IN THE SKY RELATIVE TO THE POSITION OF THE PHENOMENON.			
9. HOW LONG WAS THE PHENOMENON IN SIGHT?			
LENGTH OF TIME		CERTAIN OF TIME	NOT VERY SURE
1 minute		☒ FAIRLY CERTAIN	☒ JUST A GUESS
HOW WAS TIME DETERMINED? Guess			
WAS THE PHENOMENON IN SIGHT CONTINUOUSLY? ☒ YES ☐ NO. IF "NO," INDICATE WHETHER THIS IS DUE TO YOUR MOVEMENT OR THE BEHAVIOR OF THE PHENOMENON, AND DESCRIBE SUCH MOVEMENT OR BEHAVIOR. INDICATE DISAPPEARANCES ON PREVIOUS SKETCHES.			

10. IF THERE WERE MORE THAN ONE PHENOMENON, HOW MANY WERE THERE? DRAW A PICTURE TO SHOW HOW THEY WERE ARRANGED. DID THIS ARRANGEMENT CHANGE DURING THE SIGHTING?

11. CONDITIONS (Check appropriate blocks.)

A. SKY		B. WEATHER	
☒ DAY		☐ CUMULUS CLOUDS (Low fluffy)	☐ FOG OR MIST
☐ TWILIGHT		☒ CIRRUS CLOUDS (High fleecy or Herring-bone)	☐ HEAVY RAIN
☐ NIGHT		☐ NIMBUS CLOUDS (Rain)	☐ LIGHT RAIN OR DRIZZLE
☐ CLEAR		☐ CUMULONIMBUS CLOUDS (Thunderstorms)	☐ HAIL
☒ PARTLY CLOUDY		☐ HAZE OR SMOG	☐ SNOW OR SLEET
☐ COMPLETELY OVERCAST			☐ UNKNOWN
			☐ NONE OF THE ABOVE

C. IF THE SIGHTING WAS AT TWILIGHT OR NIGHT, WHAT DID YOU NOTICE ABOUT THE STARS AND MOON?

(1) STARS	(2) MOON
☐ NONE	☐ BRIGHT MOONLIGHT
☐ A FEW	☐ MOON WITH HALO
☐ MANY	☐ MOON HIDDEN BY CLOUDS
☐ UNKNOWN	☐ PARTIAL (New or quarter)

D. IF SIGHTING WAS IN DAYLIGHT, WAS THE SUN VISIBLE? ☒ YES ☐ NO. IF "YES," WHERE WAS THE SUN AS YOU FACED THE PHENOMENON?

☐ IN FRONT OF YOU	☒ TO YOUR RIGHT	☐ OVERHEAD (Near noon)
☐ IN BACK OF YOU	☐ TO YOUR LEFT	☐ UNKNOWN

E. SPECIFY THE MAJOR SOURCE OF ILLUMINATION PRESENT DURING THE SIGHTING, SUCH AS THE SUN, HEADLIGHTS OR STREET LAMP, ETC. FOR TERRESTRIAL ILLUMINATION, SPECIFY DISTANCE TO LIGHT SOURCE.

SUN

12. GIVE A BRIEF DESCRIPTION OF THE PHENOMENON, INDICATING WHETHER IT APPEARED DARK OR LIGHT, WHETHER IT REFLECTED LIGHT OR WAS SELF-LUMINOUS AND WHAT COLORS YOU NOTICED. DESCRIBE YOUR IMPRESSION OF WHETHER IT WAS SOLID OR TRANSPARENT, WHETHER EDGES WERE SHARP OR FUZZY. DESCRIBE THE SHAPE OR INDICATE IF IT APPEARED AS A POINT OF LIGHT. INDICATE COMPARISONS WITH OTHER OBSERVED OBJECTS, LIKE STARS, A LIGHT OR OTHER OBJECT IN YOUR FIELD OF VIEW.

It was dark & opaque reflected little light

13.	DID THE PHENOMENON	YES	NO	UNKNOWN
	MOVE IN A STRAIGHT LINE?	X		
	STAND STILL AT ANYTIME?	X		
	SUDDENLY SPEED UP AND RUN AWAY?	X		
	BREAK UP IN PARTS AND EXPLODE?		X	
	CHANGE COLOR?		X	
	GIVE OFF SMOKE?	X	X	
	CHANGE BRIGHTNESS?		X	
	CHANGE SHAPE?		X	
	FLASH OR FLICKER?		X	
	DISAPPEAR AND REAPPEAR?		X	
	SPIN LIKE A TOP?		X	
	MAKE A NOISE?		X	
	FLUTTER OR WOBBLE?		X	

14. WHAT DREW YOUR ATTENTION TO THE PHENOMENON?

I was playing and happened to look at clouds

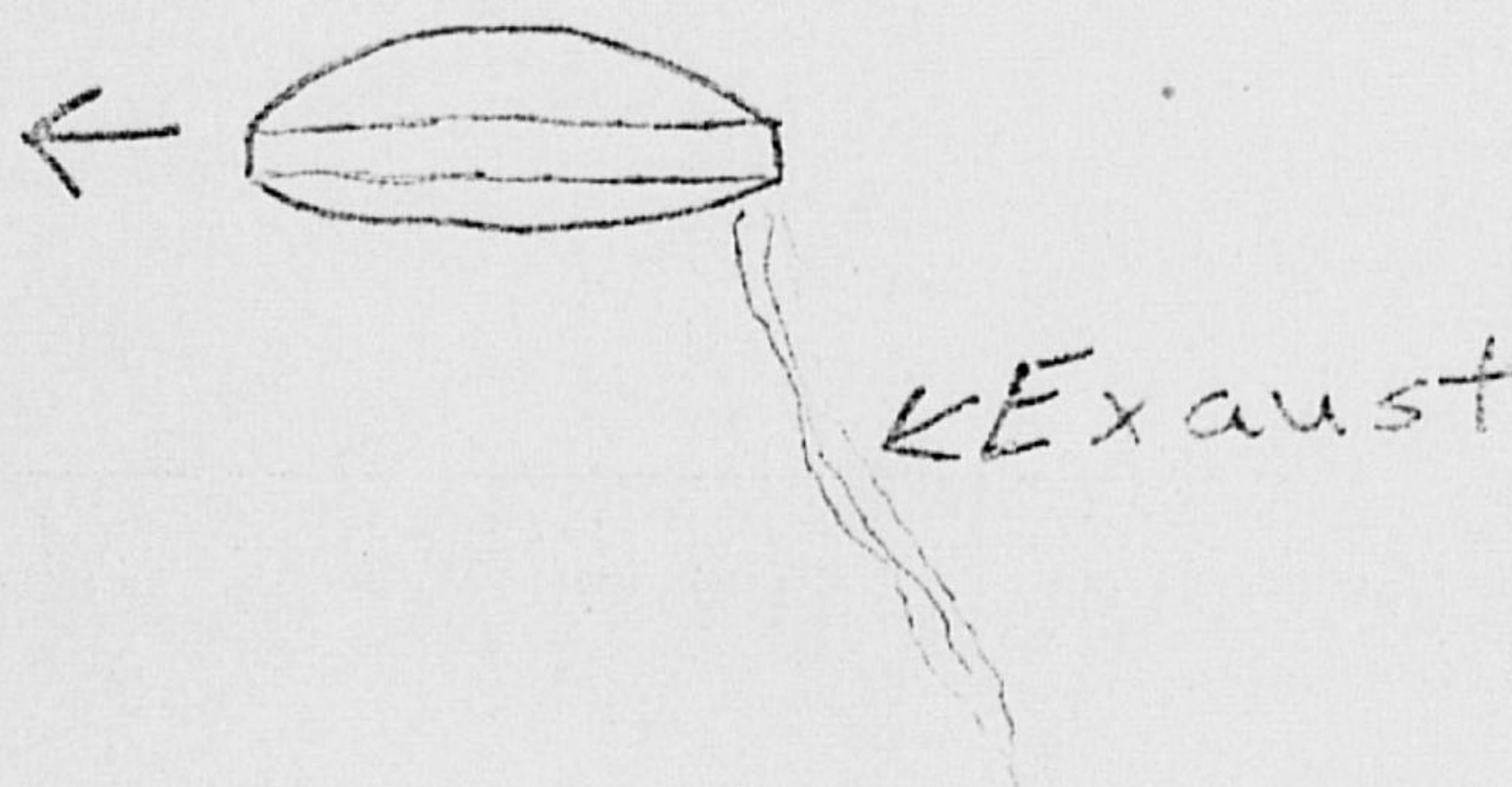
A. HOW DID IT FINALLY DISAPPEAR?

Sped out of view

B. DID THE PHENOMENON MOVE BEHIND OR IN FRONT OF SOMETHING, LIKE A CLOUD, TREE, OR BUILDING AT ANY TIME?

☐ YES ☒ NO. IF "YES," DESCRIBE.

15. DRAW A PICTURE THAT WILL SHOW THE SHAPE OF THE PHENOMENON. INCLUDE AND LABEL ANY DETAILS THAT MIGHT HAVE APPEARED AS WINGS OR PROTRUSIONS, AND INDICATE EXHAUST OR VAPOR TRAILS. INDICATE BY AN ARROW THE DIRECTION THE PHENOMENON WAS MOVING.



16. WHAT WAS THE ANGULAR SIZE? HOLD A MATCH AT ARM'S LENGTH IN FRONT OF A KNOWN OBJECT, SUCH AS A STREET LAMP OR THE MOON. NOTE HOW MUCH OF THE OBJECT IS COVERED BY THE HEAD OF THE MATCH. NOW IF YOU HAD BEEN ABLE TO PERFORM THIS EXPERIMENT AT THE TIME OF THE SIGHTING, ESTIMATE WHAT FRACTION OF THE PHENOMENON WOULD HAVE BEEN COVERED BY THE MATCH HEAD.

close to $\frac{1}{500}$

22. HAVE YOU EVER SEEN THIS OR A SIMILAR PHENOMENON BEFORE? ☐ YES ☒ NO. IF "YES," GIVE DATE AND LOCATION.

23. WAS ANYONE WITH YOU AT THE TIME YOU SAW THE PHENOMENON? ☒ YES ☐ NO. IF "YES," DID THEY SEE IT TOO?
☒ YES ☐ NO.

A. LIST THEIR NAMES AND ADDRESSES

[REDACTED]
 [REDACTED] *IVE*
 BRONX N.Y.

24. GIVE THE FOLLOWING INFORMATION ABOUT YOURSELF

LAST NAME, FIRST NAME, MIDDLE NAME
 [REDACTED]

ADDRESS [REDACTED] City, State and Zip Code
 [REDACTED] N.Y. 10530

TELEPHONE [REDACTED] AGE *14* ☒ MALE ☐ FEMALE

INDICATE ADDITIONAL INFORMATION INCLUDING OCCUPATION AND ANY EXPERIENCE WHICH MAY BE PERTINENT.

School boy

Pertinent Information NO 27.

Please rectify error in spelling of last name

You have my permission to use my name
In any article connected with this sighting

Due to lapse of time between sighting and
Questionnaire completion the answers may vary
Slightly - I have answered this form to the
best of my ability at this time

25. WHEN AND TO WHOM DID YOU REPORT THAT YOU HAD SIGHTED THIS PHENOMENON?

NAME *Air force* DAY *23* MONTH *Sept* YEAR *68*

26. DATE YOU COMPLETED THIS QUESTIONNAIRE.

DAY *30* MONTH *Sept* YEAR *68*

17. DID YOU OBSERVE THE PHENOMENON THROUGH ANY OF THE FOLLOWING? INCLUDE INFORMATION ON MODEL, TYPE, FILTER, LENS PRESCRIPTION OR OTHER APPLICABLE DATA.	
☒ EYEGLASSES	☒ CAMERA VIEWER
☐ SUNGLASSES	☐ BINOCULARS
☐ WINDSHIELD	☐ TELESCOPE
☐ SIDE WINDOW OF VEHICLE	☐ THEODOLITE
☐ WINDOWPANE	☐ OTHER
A. DO YOU ORDINARILY WEAR GLASSES? ☒ YES ☐ NO	B. DO YOU USE READING GLASSES? ☐ YES ☐ NO
18. WHAT WAS YOUR IMPRESSION OF THE SPEED OF THE PHENOMENON? GIVE ESTIMATE OF SPEED <u>1500mph</u>	19. WHAT WAS YOUR IMPRESSION OF THE DISTANCE OF THE PHENOMENON? GIVE ESTIMATE OF DISTANCE <u>200-300</u>
20. IN ORDER THAT WE MAY OBTAIN AS CLEAR A PICTURE AS POSSIBLE OF WHAT YOU SAW, DESCRIBE IN YOUR OWN WORDS A COMMON OBJECT OR OBJECTS WHICH, WHEN PLACED IN THE SKY, SIMILAR TO WHERE YOU NOTED THE PHENOMENON, WOULD BEAR SOME RESEMBLANCE TO WHAT YOU SAW. DESCRIBE SIMILARITIES AND DIFFERENCES BETWEEN THE COMMON OBJECT AND WHAT YOU SAW.	
two plates on top of each other difference in size and would not have a crack in middle as in two plates	
21. DID YOU NOTICE ANY ODOR, NOISE, OR HEAT EMANATING FROM THE PHENOMENON OR ANY EFFECT ON YOURSELF, ANIMALS OR MACHINERY IN THE VICINITY? ☐ YES ☒ NO. IF "YES," DESCRIBE.	
A. DID THE PHENOMENON DISTURB THE GROUND OR LEAVE ANY PHYSICAL EVIDENCE. ☒ YES ☐ NO. IF "YES," DESCRIBE.	
It left a type of vapor smoke gas hard material which fell to earth.	

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS FOREIGN TECHNOLOGY DIVISION (AFSC)
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433



REPLY TO
ATTN OF:

TDPT (UFO)

SUBJECT:

UFO Observation, 23 July 1968

18 SEP 1968

TO:

Mr. [REDACTED]

[REDACTED]
Sourthern City New York 11968

Reference your recent unidentified flying object sighting which you reported to the Air Force. The information which we have received is not sufficient for a scientific investigation. Request you complete the attached AF Form 117 and return it in the self-addressed envelope. Thank you for reporting your observation to the Air Force.

HECTOR QUINTANILLA, Jr, Lt Colonel, USAF
Chief, Aerial Phenomena Office
Aerospace Technologies Division
Production Directorate

1 Atch
AF Form 117 w/envelope

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 52D FIGHTER WING (ADC)
SUFFOLK COUNTY AIR FORCE BASE, NEW YORK 11973



23 July 68

REPLY TO
ATTN OF:

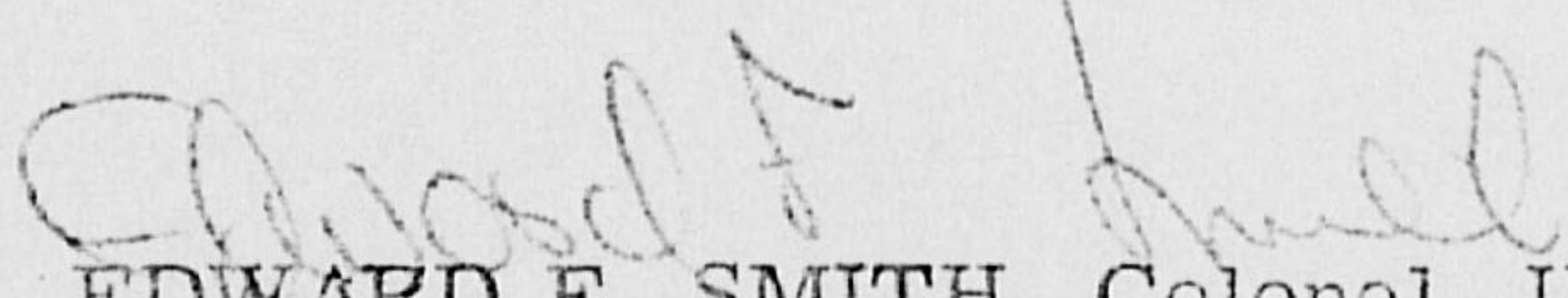
52ODC

23 August 1968

SUBJECT: UFO Report with Material Evidence

TO: FTD (TDETR)
Wright Patterson AFB, Ohio 4533

1. On 23 July 1968 a UFO report was received by this office from Mr. Gregory G. Goldi, Box 1375, Southampton, New York. At that time he advised he had evidence consisting of a photograph and some material which he claimed was part of the UFO he had seen.
2. At our request, the evidence was mailed to this office with the understanding that he would be kept informed of the analysis and official report.
3. The initial report plus subsequent evaluations and material evidence is enclosed for your evaluation.


EDWARD F. SMITH, Colonel, USAF
Deputy Commander for Operations

1 Atch
a/s

MEMO ROUTING SLIP		Never Use for Approvals, Disapprovals, Concurrences, or Similar Actions		ACTION	
1 TO	52d ODC	INITIALS		CIRCULATE	
		DATE		COORDINATION	
2				FILE	
				INFORMATION	
3				NOTE AND RETURN	
				PER CON-VERSATION	
4				SEE ME	
				SIGNATURE	
REMARKS Per your comment #3, our comment #4 has been made on attached UFO Report. (personal interview with the young lad was not made since he refused to be interviewed personally and he also refused to have anyone come to his house to pick up the "evidence"—he did mail to us the enclosed picture and "physical matter."					
FROM		CIO		DATE	
				29 July	
				PHONE	
				47A	

DD FORM 95 1 OCT 60 Replaces DD Form 94, 1 Feb 50, and DD Form 95, 1 Feb 50, which will be used until exhausted. * GPO : 1958 O - 295-653

Standard Form 63
November 1961
GSA Gen. Reg. No. 27

MEMORANDUM OF CALL

Date

Time

TO-

Information Office

☐ YOU WERE CALLED BY--

☐ YOU WERE VISITED BY--

TELEPHONE:

Number or code

Extension

☐ PLEASE CALL

☐ WAITING TO SEE YOU

☐ WILL CALL AGAIN

☐ WISHES AN APPOINTMENT

☐ RETURNING YOUR CALL

☐ IS REFERRED TO YOU BY:

LEFT THIS MESSAGE:

See Comments par 3.
Take necessary action.

ODC

Received By--

REPORT OF UNIDENTIFIED FLYING OBJECT (UFO)

Person taking report: TSGT FRED L. KOOLIER Duty Ext. 380
Rank Name

Date of Report: 23 July 68 Local Time: 2317

Caller's Name: [REDACTED]

Telephone No: [REDACTED]

Address: [REDACTED] SOUTHAMPTON, N.Y.

(GO TO NEXT PAGE AND BEGIN QUESTIONNAIRE)

MAKE NO ENTRIES BELOW THIS LINE

+++++

EVALUATION SECTION

1. Report forwarded: DATE 25 July 68 52ODC W. J. [REDACTED]

2. Report not forwarded because:

a. Object was a light in the sky and as such is not a UFO. Object was most probably a: STAR - AIRCRAFT - METEOR - SATELLITE - SEARCH-LIGHT - BALLOON -

b. Report is incomplete. Available information does not justify the expenditure of funds and manhours required to complete the investigation.

c. Other: _____

3. Comments: request that further investigation take place - locate picture and object if possible. If these items cannot be located discontinue investigation.

4. Approved/Disapproved & Comments of ODC _____

5. CIO Coordination/Comments: 1) The photograph appears to be a frisbee
playing 2) The evidence appears to be a scrubby
stone used to clean kitchen grills 3) Suggest this
report be forwarded to Wright-Patterson

UFO QUESTIONNAIRE

NOTE: Each question must be answered in the order listed. If the caller refuses to answer a question, states he cannot answer, or evades the question, then make an appropriate notation instead of an answer. Never go on to the next question until the preceding question has been answered or commented upon. Tell the caller that in order to investigate the sighting the Air Force needs the answers to a number of specific questions and that failure to have complete information will make proper identification impossible

A. DESCRIPTION OF OBJECT(S)

<u>Question</u>	<u>Answer</u>
1. What was the shape of the object?	OVAL
2. What was its size compared to a known object held at arms length? Use: Head of pin, pea, dime, quarter, half dollar, silver dollar, baseball, grapefruit, basketball, etc.	BASKET BALL
3. What was the object's color?	BLACKISH
4. How many objects were there?	ONE
5. If more than one, what was the formation pattern?	NONE
6. Were there any distinguishing features or details? Describe them fully. How were they arranged, etc.?	RIPPLE AROUND EDGES NOT PERFECTLY SMOOTH
7. Did the object have a tail, trail or exhaust? Describe fully, giving size, shape, length, etc.	NONE

Question	Answer
8. Was there any sound? Describe in detail	NO
9. Were there any other pertinent or unusual features? Describe in detail.	SOMETHING TRAILING (REDDISH COLORED) AND THEN COMPLETELY DROPPED AWAY FROM MAIN OBJECT
10. Are there any further comments concerning description of the object(s) not included above?	HAS PHOTOGRAPH
<u>B. DESCRIPTION OF COURSE OF OBJECT(S)</u>	
1. What first called the attention of the observer(s) to the object(s)?	OBSERVING CLOUD FORMATIONS & OBSERVED OBJECT
2. a. What was the angle of elevation above the horizon when object(s) was first observed? (The horizon is 0 degrees & directly over the observer's head is 90 degrees. The object must appear in this 0 - 90 degree range. Looking halfway up in the sky would be 45 degrees.	ABOUT 75%
b. In which direction was the observer looking when the object was first observed? (Use North, east, south, west or points in between)	NNW

Question

Answer

3. What was the angle of elevation of the object(s) when it disappeared? (See 2a, above for guidance) If observer did not see object disappear, explain in 5 below and answer this question by entering - See 5 below.

90%

4. If any, what was the flight path and what were the maneuver patterns of the object(s)? Use elevation and direction, not altitude. See 2a and b above for guidance.

CAME DOWN FROM 750
IN SSE DIRECTION & LEVEL
ED & WENT DIRECTLY OVER
HEAD. OBJECT MOVERED
MOMENTARILY, THEN WENT STRAIGHT UP.

5. How did the object(s) disappear? (Instantaneously to the North, slowly to the East, straight away, etc.) If observer did not see object disappear, explain.

DISAPPEARED FAST
STRAIGHT UP.

6. How long was the object(s) visible? (Be specific - 5 minutes, 1 hour, etc.)

1 1/2 - 2 MIN

C. MANNER OF OBSERVATION:

1. Was object observed from the ground or air?

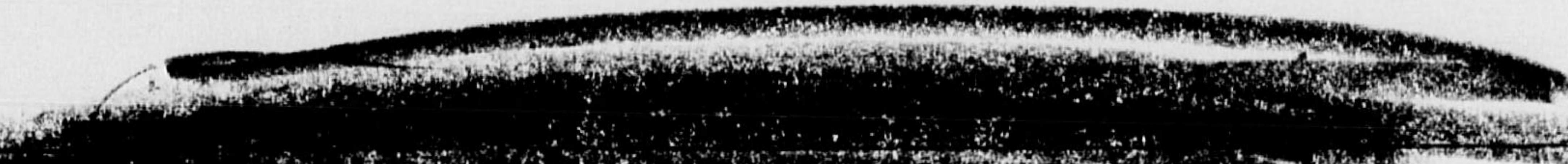
GROUND

2. What optical aids were used, if any? (Telescope, binoculars, etc.) Did the observer wear glasses (spectacles)?

WEARING GLASSES
WHICH IS NORMAL

F. IDENTITY OF OBSERVER(S):

(If observer is military, include rank and/or organization). If there are more than one, get same information on each and enter at bottom of page - use reverse side if necessary).

Name: 

Age: 15

Education: COMPLETED

8th

Mailing Address: SAME AS PAGE 1 UNTIL APPROX 1 SEPT.

AFTER 1 SEPT

HARTSDALE, N.Y. 10530

Occupation: STUDENT

Go on to next page. Remainder of this page is for identity of additional observers, if any.

MISCELLANEOUS

1. Get observer's account of weather conditions: CLOUDY - BUT

OTHERWISE CLEAR

2. Were pictures taken? YES

If yes, get technical data of the camera used. Request observer forward copies of picture(s) to the Public Information Office, Suffolk County AFB, Westhampton Beach, N. Y. 11978.

CAMERA DATA: YOUNGSTER SAID HE WOULD MAIL PHOTO IN TOMORROW

POLAROID CAMERA - SWINGER - BL & WH.

3. Was there any physical evidence? YES - SAMPLE OF OBJECT THAT FELL AWAY FROM MAIN OBJECT

If yes: a. Notify the Air Police Section (Ext 408/580) and request that they immediately request the civil police in the area of the sighting to make an investigation.

b. Call the CAC (Ext 493) and request the operator to immediately notify the Operations Duty Officer.

c. Notify the base information officer:

Capt J. Craig - 288-2747

Alternate: Lt W. Campbell - BOQ - Ext 398

4. If the observer reports that the sighting is still visible, notify the Operations Duty Officer thru the CAC (Ext 493) and await further instructions.

+++++

This concludes the questions for the observer. Thank the observer for calling. Tell him that his report will be studied, evaluated and forwarded for further technical intelligence evaluation. If the caller wishes to discuss the sighting further, except to give additional information, advise him to call the base Public Information Office during duty hours. Base Ext 471. At this point summarize the report with the caller to make sure you have obtained a complete and accurate report.

GO ON TO NEXT PAGE

SUMMARY

State your own personal evaluation of the report. What do you think the object was? Do you think something other than the sighting motivated the caller? Include anything which may add to the objectivity of the report. Include your evaluation of the caller's reliability.

HAVE NO IDEA WHAT OBJECT COULD BE

THINK HE PROBABLY BECAUSE HIS
COUSIN HAD REPORTED AN OBJECT
FROM SAME LOCATION 20 MIN. EARLIER

OBSERVER SEEMED SINCERE IN
HIS REPORTING AND CLAIMS TO HAVE
PHOTO & FOREIGN MATTER FROM
MAIN OBJECT.

~~SECRET~~
Ssgt B F Kester:

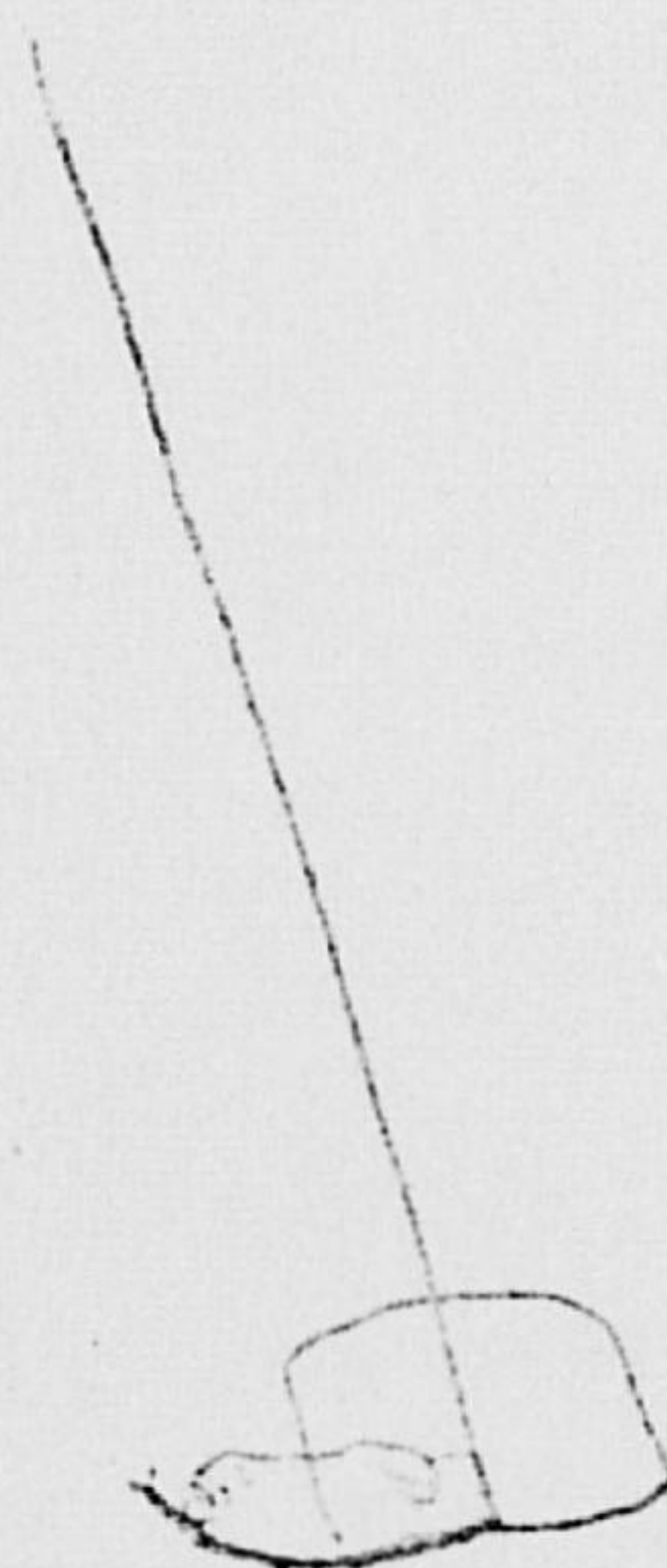
SDNCO
~~Head~~ to Suffolk guard

Sgt

DUKE

ANESS

~~SECRET~~



THIS CASE INCLUDES
Seven (7) 8X10, B & W Photos
Five (5) 4 1/2 X 6, B & W Photos
three (3) 3 X 4, B & W negatives

FOREIGN TECHNOLOGY DIVISION, AFSC

UNCLASSIFIED



UNCLASSIFIED

FOREIGN TECHNOLOGY DIVISION, AFSC



UNCLASSIFIED

UNCLASSIFIED

FOREIGN TECHNOLOGY DIVISION, AFSC



UNCLASSIFIED





FOURTH EDITION, 1911, A.D.

UNCLASSIFIED



UNCLASSIFIED



NORTHWESTERN UNIVERSITY

Inter-Office Correspondence

DATE December 10, 1968

TO Dr. J. Allen Hynek

FROM Arthur L. Howland

DEPT. Astronomy

DEPT. Geology

The sample sent to you as an unidentified flying object is a pumice-like glass. It has an index of refraction of about 1.51. There are a few angular quartz grains loose in some of the cavities.

The sample closely resembles a manufactured product that has been marketed as sanding blocks for preparing wood surfaces. It also has the same H_2S smell released by crushing that characterizes the sanding blocks. I do not have any of the commercial material at hand for comparison of index and refraction and diffractogram patterns, but it seems probable that your sample is a fragment of the same material.

I am returning the sample herewith.

ALH/f

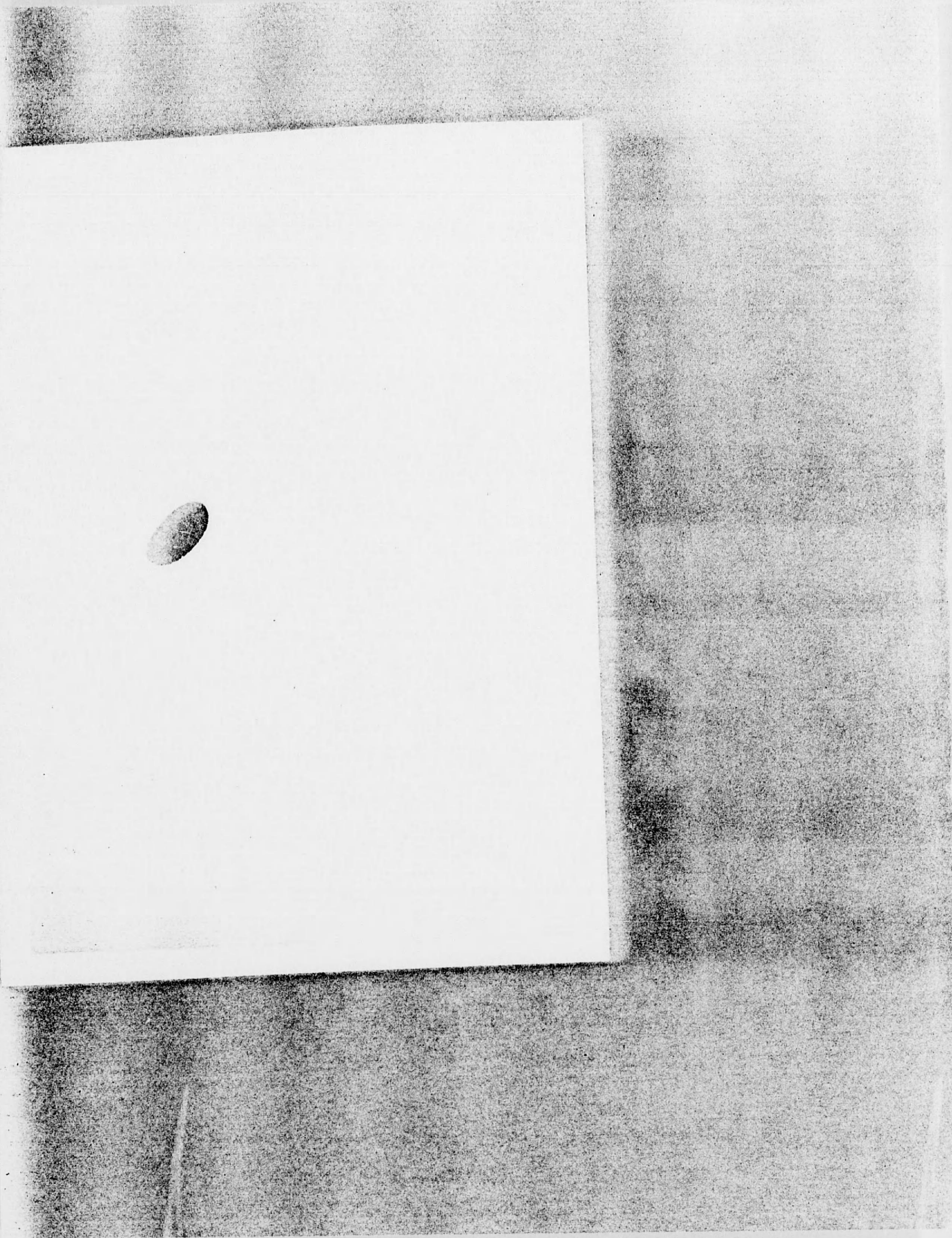
Enclosure

RECEIVED

DEC 11 1968

ASTRONOMY DEPARTMENT
NORTHWESTERN UNIVERSITY







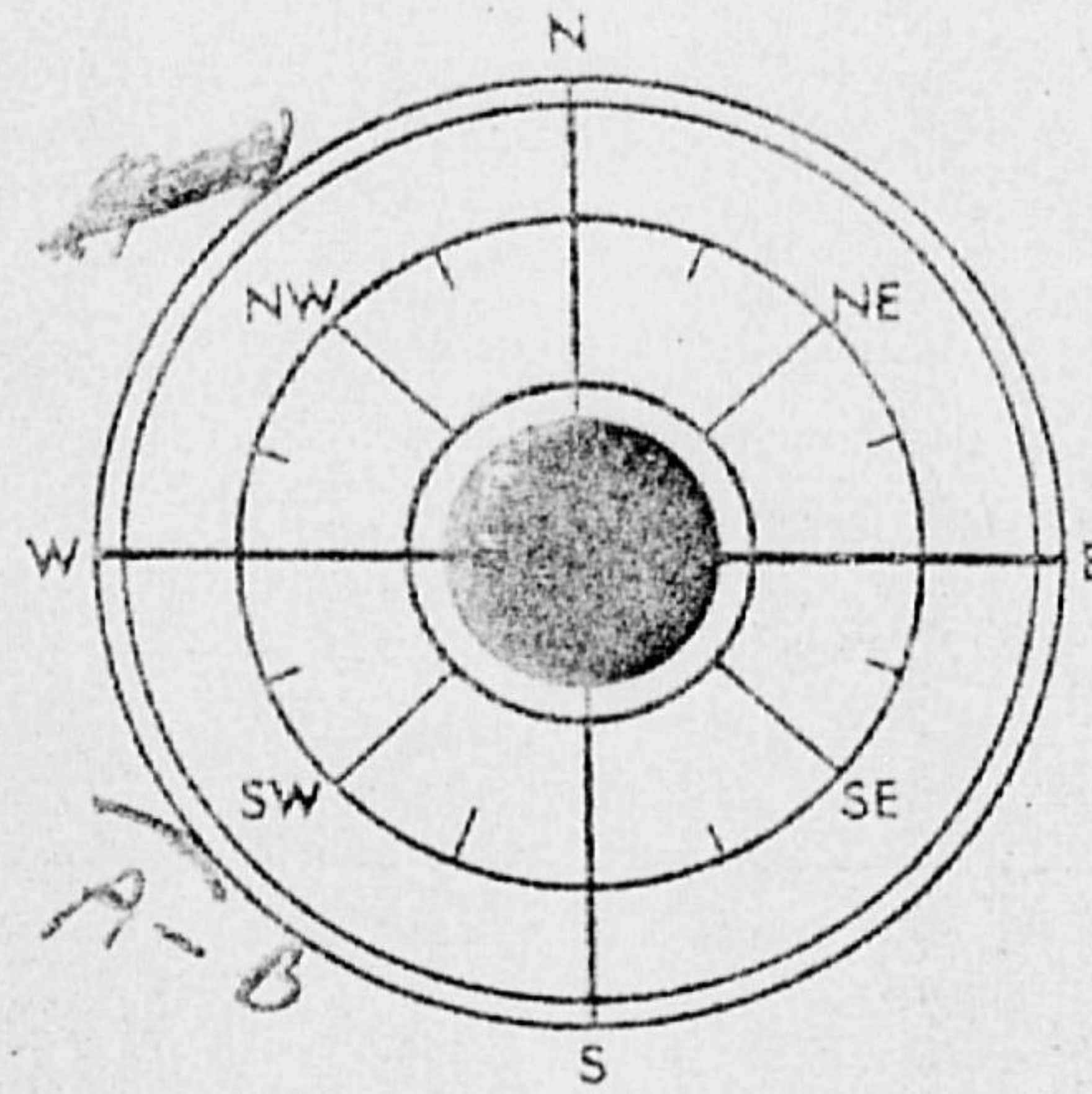
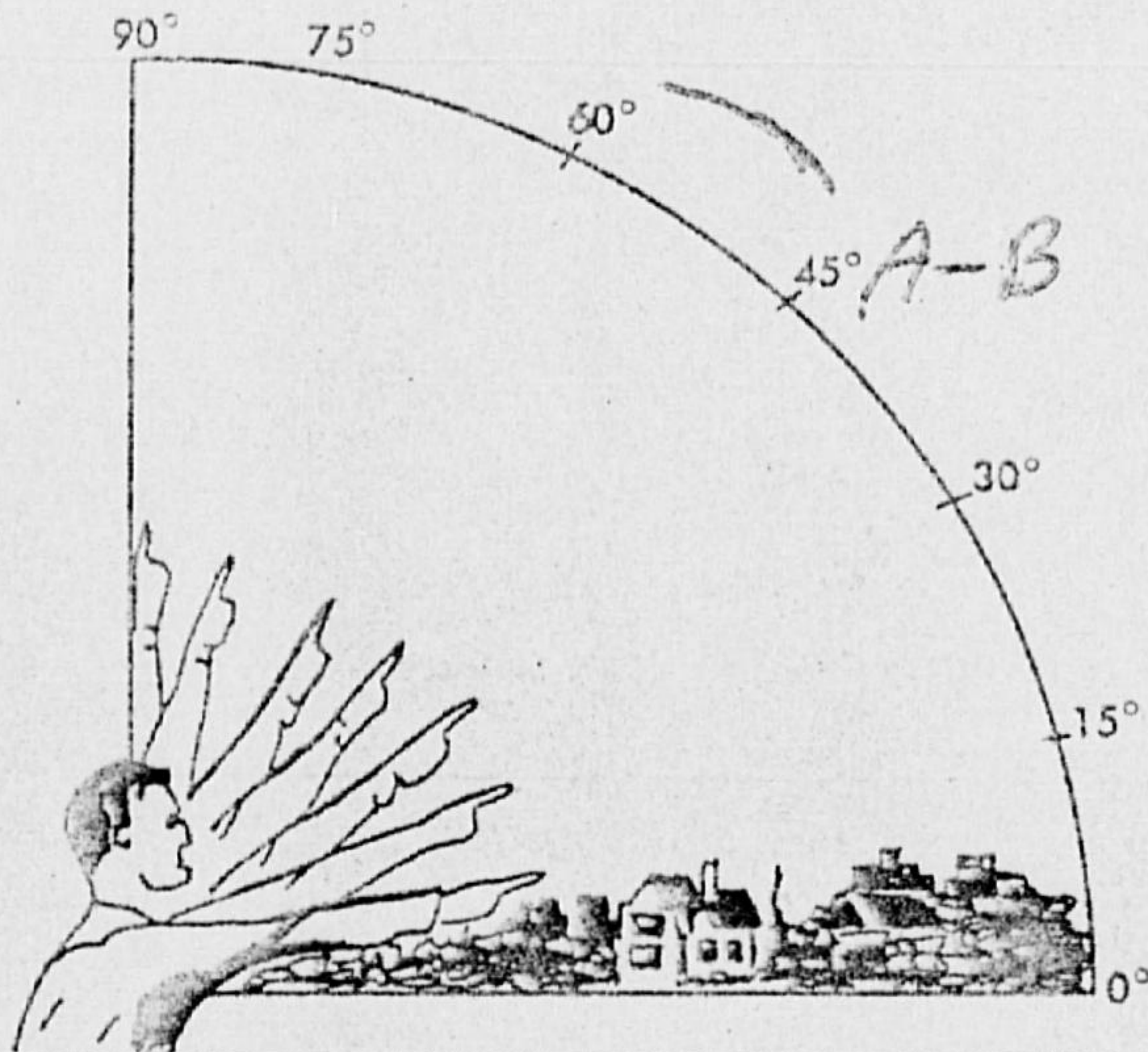




Official U.S. Air Force

Page 5

27. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when you *first* saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you *last* saw it. Place an "A" on the compass when you *first* saw it. Place a "B" on the compass when you *last* saw the object.



28. Draw a picture that will show the motion that the object or objects made. Place an "A" at the beginning of the path, a "B" at the end of the path, and show any changes in direction during the course.

A ——— B REMAINED STATIONARY AT
B.

29. IF there was MORE THAN ONE object, then how many were there? _____
Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

IFO form continued

Page 6

30. Have you ever seen this, or a similar object before. If so give date or dates and location.

NO

31. Was anyone else with you at the time you saw the object? (Circle One) ☒ Yes ☐ No

31.1 IF you answered YES, did they see the object too? (Circle One) ☒ Yes ☐ No

31.2 Please list their names and addresses:

MR + MRS [REDACTED] 15906
[REDACTED] ADDRESS
[REDACTED]
[REDACTED]
JOHNSTOWN - PA. 15906

32. Please give the following information about yourself:

NAME [REDACTED] Last Name [REDACTED] First Name [REDACTED] Middle Name [REDACTED]
ADDRESS [REDACTED] STREET [REDACTED] CITY JOHNSTOWN ZONE 15906 STATE PA.
TELEPHONE NUMBER [REDACTED] AGE 28 SEX M

Indicate any additional information about yourself, including any special experience, which might be pertinent.

33. When and to whom did you report that you had seen the object? GREATER JOHNSTOWN
7 15 68 AIRPORT
Day Month Year JOHNSTOWN, PA.
THEY HOWEVER PASSED IT OFF AS
NOTHING.

Air Force UFO form continued

Page 7

Page 8

2 A.M. TEN OF OUR NEIGHBORS
SIGHTED IT. THIS WAS SIMILAR TO THE
OBJECT WHICH WAS SIGHTED BY MR.
SORCHILLA AND HIS FAMILY IN 1966
AND WAS SEEN IN A WOODED AREA
BEHIND HIS RESIDENCE. OF COURSE,
THIS RECENT SIGHTING WAS UP IN
THE SKY AND HIS SEEMED
TO HOVER AT TREE TOP LEVEL. BUT
THE LIGHTS SEEMED TO HIM TO
BE THE SAME.
OUR SIGHTING WAS NO
DAR BECAUSE OF THE CHANGING
COLORS. IT REMAINED STATIONARY
AT A HIGH ALTITUDE AND KEPT
ALTERNATING COLORS. P

Official U.S. Air Force UP

Page 7

34. Date you completed this questionnaire:

7 16 68
Day Month Year

35. Information which you feel pertinent and which is not adequately covered in the specific points of the questionnaire or a narrative explanation of your sighting.

SITTING ON OUR FRONT PORCH
WE NOTICED A SINGLE OBJECT
MOVING LEFT TO RIGHT IN THE
SKY. IT MOVED SLOWLY AND
FINALLY STOPPED IN THE SW.
SECTION OF THE SKY. IT
ALTERNATED IN COLOR FROM RED
TO GREEN TO WHITE. IT
SEEMED TO HAVE ROTATING
COLORED LIGHTS. IT REMAINED
STATIONARY IN THE SKY TILL
2 A.M. AT TIME MOST OF
THE NEIGHBORS HAD GONE
TO SLEEP AND I DID AT

Autp

Page 1

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will be used for research purposes. Your name will *not* be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that if it is deemed necessary, we may contact you for further details.

FORM
FTD OCT 62 164 This form supersedes FTD 164, jul 61, which is obsolete.

FORCE UFO FORM

Page 2

8. IF you saw the object at NIGHT, what did you notice concerning the STARS and MOON?

8.1 STARS (Circle One):

- a. None
- b. A few
- ☒ c. Many
- d. Don't remember

8.2 MOON (Circle One):

- a. Bright moonlight
- b. Dull moonlight
- ☒ c. No moonlight—pitch dark
- d. Don't remember

9. What were the weather conditions at the time you saw the object?

CLOUDS (Circle One):

- a. Clear sky
- ☒ b. Hazy
- c. Scattered clouds
- d. Thick or heavy clouds

WEATHER (Circle One):

- ☒ a. Dry
- b. Fog, mist, or light rain
- c. Moderate or heavy rain
- d. Snow
- e. Don't remember

10. The object appeared: (Circle One):

- a. Solid
- b. Transparent
- c. Vapor
- ☒ d. As a light
- e. Don't remember

11. If it appeared as a light, was it brighter than the brightest stars? (Circle One):

- ☒ a. Brighter
- b. Dimmer
- c. About the same
- d. Don't know

11.1 Compare brightness to some common object:

NEON LIGHTS

12. The edges of the object were:

- (Circle One) ☒ a. Fuzzy or blurred
- b. Like a bright star
 - c. Sharply outlined
 - d. Don't remember

e. Other _____

13. Did the object:

(Circle One for each question)

- a. Appear to stand still at any time?
- b. Suddenly speed up and rush away at any time?
- c. Break up into parts or explode?
- d. Give off smoke?
- e. Change brightness?
- f. Change shape?
- g. Flash or flicker?
- h. Disappear and reappear?

- | | | |
|--------------------------------------|-------------------------------------|------------|
| ☒ Yes | No | Don't know |
| Yes | ☒ No | Don't know |
| Yes | ☒ No | Don't know |
| Yes | ☒ No | Don't know |
| ☒ Yes | ☒ No | Don't know |
| Yes | ☒ No | Don't know |
| ☒ Yes | No | Don't know |
| Yes | ☒ No | Don't know |

Air Force UFO form continued

Page 3

Page 4

20. Do you think you can estimate the speed of the object?

(Circle One) Yes ☒ No

IF you answered YES, then what speed would you estimate? _____

21. Do you think you can estimate how far away from you the object was?

(Circle One) ☒ Yes ☐ No

IF you answered YES, then how far away would you say it was? BETWEEN THE NEAREST STAR AND A ~~PLAN~~ PLANE.

22. Where were you located when you saw the object?

(Circle One):

- a. Inside a building
- b. In a car
- ☒ c. Outdoors
- d. In an airplane (type) _____
- e. At sea
- f. Other _____

23. Were you (Circle One)

- a. In the business section of a city?
- ☒ b. In the residential section of a city?
- c. In open countryside?
- d. Near an airfield?
- e. Flying over a city?
- f. Flying over open country?
- g. Other _____

24. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

24.1 What direction were you moving? (Circle One)

- | | | | |
|--------------|--------------|--------------|--------------|
| a. North | c. East | e. South | g. West |
| b. Northeast | d. Southeast | f. Southwest | h. Northwest |

24.2 How fast were you moving? _____ miles per hour.

24.3 Did you stop at any time while you were looking at the object?

(Circle One) Yes ☐ No ☐

25. Did you observe the object through any of the following?

- | | | | |
|-----------------|--|----------------|---|
| a. Eyeglasses | Yes ☐ No ☐ | e. Binoculars | ☒ Yes ☐ No |
| b. Sun glasses | Yes ☐ No ☐ | f. Telescope | Yes ☐ No ☐ |
| c. Windshield | Yes ☐ No ☐ | g. Theodolite | Yes ☐ No ☐ |
| d. Window glass | Yes ☐ No ☐ | h. Other _____ | |

26. In order that you can give as clear a picture as possible of what you saw, describe in your own words a common object or objects which, when placed up in the sky, would give the same appearance as the object which you saw.

AN AIRPLANE IN A STATIONARY POSITION

Official U.S. Air Force UFO form

Page 3

14. Did the object disappear while you were watching it? If so, how?

NO

15. Did the object move behind something at any time, particularly a cloud?

(Circle One):

Yes

No

Don't know.

If you answered YES, then tell what

it moved behind: _____

16. Did the object move in front of something at any time, particularly a cloud?

(Circle One):

Yes

No

Don't know.

If you answered YES, then tell what

in front of: _____

17. Tell in a few words the following things about the object:

a. Sound NONEb. Color RED TO GREEN TO WHITE. SEEMED LIKE
ROTATING LIGHTS.

18. We wish to know the angular size. Hold a match stick at arm's length in line with a known object and note how much of the object is covered by the head of the match. If you had performed this experiment at the time of the sighting, how much of the object would have been covered by the match head?

 $\frac{1}{3}$

19. Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, protrusions, etc., and especially exhaust trails or vapor trails. Place an arrow beside the drawing to show the direction the object was moving.

H A.M. → 12 STOP A.M. R-W-G LIGHTS

20. Do you think you

(Circle One)

If you answered

21. Do you think you

(Circle One)

If you answered

STAR

22. Where were you

(Circle One):

a. Inside a building

b. In a car

c. Outdoors

d. In an airplane

e. At sea

f. Other _____

24. IF you were MC

24.1 What direction

a. North

b. North

24.2 How fast was it

24.3 Did you see

(Circle One)

25. Did you observe

a. Eyeglasses

b. Sun glasses

c. Windshield

d. Window glass

26. In order that you can identify the objects which, when

AN

NO CASE INFORMATION ONLY

Source: Dayton Daily News, 21 Jul 68

LOGAN, OHIO 18 July 1968

dayton daily news
21 July 68
Weather Balloon

Causes UFO Reports

LOGAN, O.—A—The sun's reflection off a weather balloon caused a flurry of UFO reports in this southcentral area of Ohio Thursday evening. Hundreds of calls were received by sheriff's offices in Hocking, Pickaway, Fairfield, Perry and Meigs counties.

A Hocking county deputy sheriff here observed the object with high-powered binoculars and said it appeared to be a clear plastic weather balloon about 12 feet in diameter and floating at a high altitude.

The Daily Sentinel
Continued July 19, 1968
ar Fetter

Box 218
33 or 34 or 3
VIRGINIA
ANCH OFFICE:
MIAMS BUILDING
VA. PH: 457-273

in West Virgir

U.F.O. Investigator
Air Force
The Pentagon
Washington, D.C.

Gentlemen:

We have had some recent U.F.O. sightings by residents of
this area. Conforming to your request, we are enclosing
clippings from our newspaper, The Daily Sentinel, re-
lating these sightings.

Very truly yours,

P.S. If we can be of any further service, please let us
know.

UFO Sighted

Near

The Daily Sentinel
in Grafton, Vermont
July 17, 1968

Fetterman

tment

Unidentified
Object
Mystery

U.F.O. Investigator
Air Force
The Pentagon
Washington, D.C.

Gentlemen:

We have had some recent U.
this area. Confessing to
clippings from our news-
lating the

It was one of those quiet days
in Grafton. The man
climbed to a
M...

N.C.I.O.

POST OFFICE
TELEPHONE
GRAFTON, VT.

WILLIAM
PHILIP W. VA

County Area in W.

from Grafton
July 13, 1968

Bar Fetterman tment

U.F.O. Investigator
Air Force
The Pentagon
Washington, D.C.

Gentlemen:

We have had some recent U.
this area. Conforming to
clippings from our newspaper
lating these sightings.

P.S. If we can be of any f
know.

Unidentified Object Mystery

It was one of those quiet days in Grafton. The mercury had climbed to a stifling 95 degrees. Many area residents were seeking relief from the heat either at the Tygart Lake Swimming Area, their own back yard swimming pools, or other favorite spots.

Weary shoppers sought refuge in the cool, air-conditioned stores.

Suddenly, the unexpected happened. Rumors floated throughout the town that someone had spotted a UFO— unidentified flying object.

The mysterious object was reported as seen near the Ozite Corporation Plant, located on Country Club Road.

The "thing" was first spotted by a worker at the plant, Herbert Estel, who said, "It looked like it was hanging in space, because I watched it for awhile then went back to work. When I looked again it had moved from its position."

Estel, in describing the object, said, "It was triangle shaped, bright silver or clear plastic and it was as high as an airplane."

Fred Adams, an employee of Harman Brothers, said, "It looked like it had a dome on top of it, and appeared to be half as big as a large airplane, and it looked like a kite."

Both men have stated that at no time was there any noise from the object.

City Police officers were called but stated that they knew nothing about it.

It is not known just how many persons spotted the UFO but it is known that several men and women did see something.

Cpl. H. L. Corley of the Grafton State Police said that he received a call from a lady who resides on U.S. Route 119, North, who said that she had spotted a "mysterious looking" object in the sky.

Cpl. Corley said that he investigated but could find nothing.

From time to time in Taylor County a UFO has been spotted. The French Giles home at Pruntytown was the target for a piece of flying metal that was so hot it burned a hole in a carpet after landing in their home. Yesterday a UFO was again spotted.

When the UFO's were first spotted some time ago not only in Taylor County but in other counties and states, people were hesitant to talk about what they had seen as "Flying Saucers."

"Things from outer space" have caused laughter among many a person.

Telephone calls have been made, people have been asked questions and the story is there was "something flying through Taylor County" yesterday.

Perhaps it could all be summed up by Estel's statement when he

TELEPHONE 253-3133 or 34 or 35
GRAFTON, WEST VIRGINIA
BRANCH OFFICE:
WILLIAMS BUILDING
PHILIPPI, W. VA. PH: 457-2733

County Area in West Virginia

S of
sing

us

20 July 1105 PM
NCID 20 JULY

MR. ~~REDACTED~~ Called
to report the ^{SECOND} sighting
of the SAME OBJECT
HE REPORTED WEDNESDAY 17 JULY

HE SAID THAT IT WAS
DIRECTLY OVER WPAFB
AT THE TIME HE CALLED.

44707 20 ~~REDACTED~~
listed in Dayton telephone
Book. He did not
receive any report from
~~REDACTED~~ the

17th

NCFIO

20 July 68

27 SEP 1968

Webb

SDPT (UFO)

Lt Col Quintanilla/70916/ber/27 Sep 1968

Request for Information

Mr [REDACTED]

[REDACTED]
Barnham, Mass

Reference your letter of September 13, 1968 to the Tactical Air Command. Your letter has been referred to Project Blue Book for action. The attached literature of the dart target will help you define similar objects in the future. Thank you for your interest in the unidentified flying object project.

SECTOR QUINTANILLA, Jr, Lt Colonel, USAF
Chief, Aerial Phenomena Office
Aerospace Technologies Division
Production Directorate

1 Atch
Illustration,
Dart Target

TOP SECRET (UFO) OFFICIAL READING FILE

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS TACTICAL AIR COMMAND
LANGLEY AIR FORCE BASE, VIRGINIA 23365



REPLY TO
ATTN OF: OIC

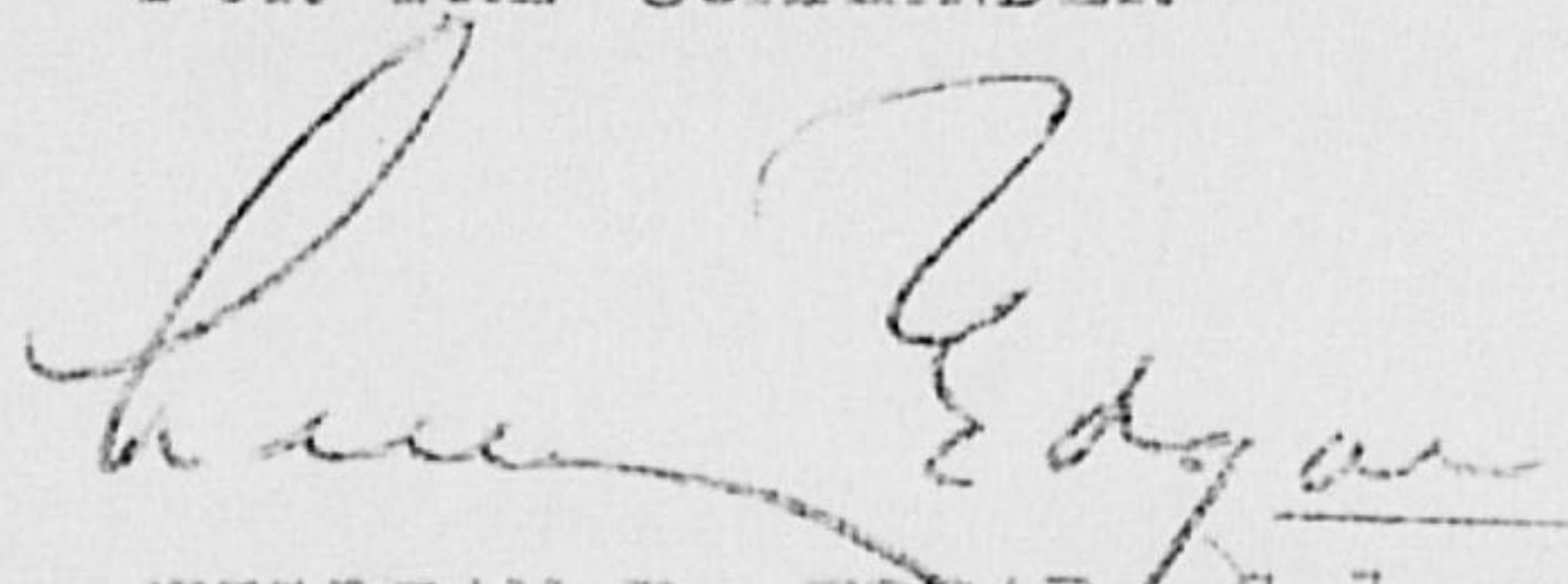
23 SEP 1968

SUBJECT: Request for Information

to: Aerial Phenomena Office
Aerospace Technologies Division
Production Directorate
Foreign Technology Division (AFSC)
Wright-Patterson AFB, Ohio 45433

Attached correspondence is forwarded for your information and necessary action. Also attached is a description of the dart target which is undoubtedly the object seen by Mr. Webb. This headquarters has made no reply to Mr. Webb.

FOR THE COMMANDER


WILLIAM R. EDGAR, Colonel, USAF ✓
Director of Information

2 Atch

1. Ltr, [REDACTED]
13 Sep 68
2. Illustration,
Dart Target

[REDACTED]
Waltham, Mass. 02154
September 13, 1968

Tactical Air Command
Langley Air Force Base
Hampton, Virginia

Gentlemen:

Last July 20, at about 10:00 a.m. EDT, my wife and I viewed a formation of jet aircraft releasing a gunnery tow target near Richmond as we traveled Interstate 64. At the time we weren't positive what the object was but later learned the targets are released near Richmondsburg Field following exercises over Chesapeake Bay. The target we observed was V- or arrowhead-shaped and flat with a fin running down the middle.

Because I investigate UFO sightings on occasion and am interested in recognizing conventional aerial objects that might fool the observer, descriptive illustrations of tow targets and drones would prove valuable in these investigations. I understand you might be able to send these illustrations to me. I am especially interested in a description of the V-shaped target we saw.

Thank you.

Sincerely yours,
[REDACTED]
[REDACTED]

DART TARGET, TYPE K-11

Size: 6' x 16'

Radar Reflective

Part Number
Spec. UTC 4040

Color
Aluminum

Stock Number
6920NSL



The K-11 dart target is 6 feet wide at the rear and 16 feet long. Its wings are constructed of honeycomb material which is bonded to an aluminum foil skin. An X-band corner radar reflector is mounted at the rear of the target, with conical fairings extending forward for streamlining.

The K-11 dart target comes in kit form. Each kit is intended to provide 10 flights, and includes 2 wings, 2 radar reflectors, 24 nose section angles, and a kit for repairing damaged wings, and all the

necessary hardware. All instructions for assembly, balancing, and repairing the K-11 target are included in the kit.

The operational use of the K-11 dart target is the same as the MF-1 target. Its larger size makes it much easier to see, track, and hit than the smaller MF-1. It will absorb many times more gun or cannon fire than the MF-1 and still fly in a stable manner. When lowered by parachute, the K-11 target is usually reusable, notwithstanding gun or cannon fire damage.

DART TARGET, TYPE K-12

Size: 8' x 20'

Radar Reflective

Part Number
Spec. UTC 4140

Color
Aluminum

Stock Number
6920NSL

The K-12 dart target is similar to the K-11 target except that it is larger, being 8 feet wide at the rear and 20 feet long. When preparing it for use employ the same procedures as for the K-11.

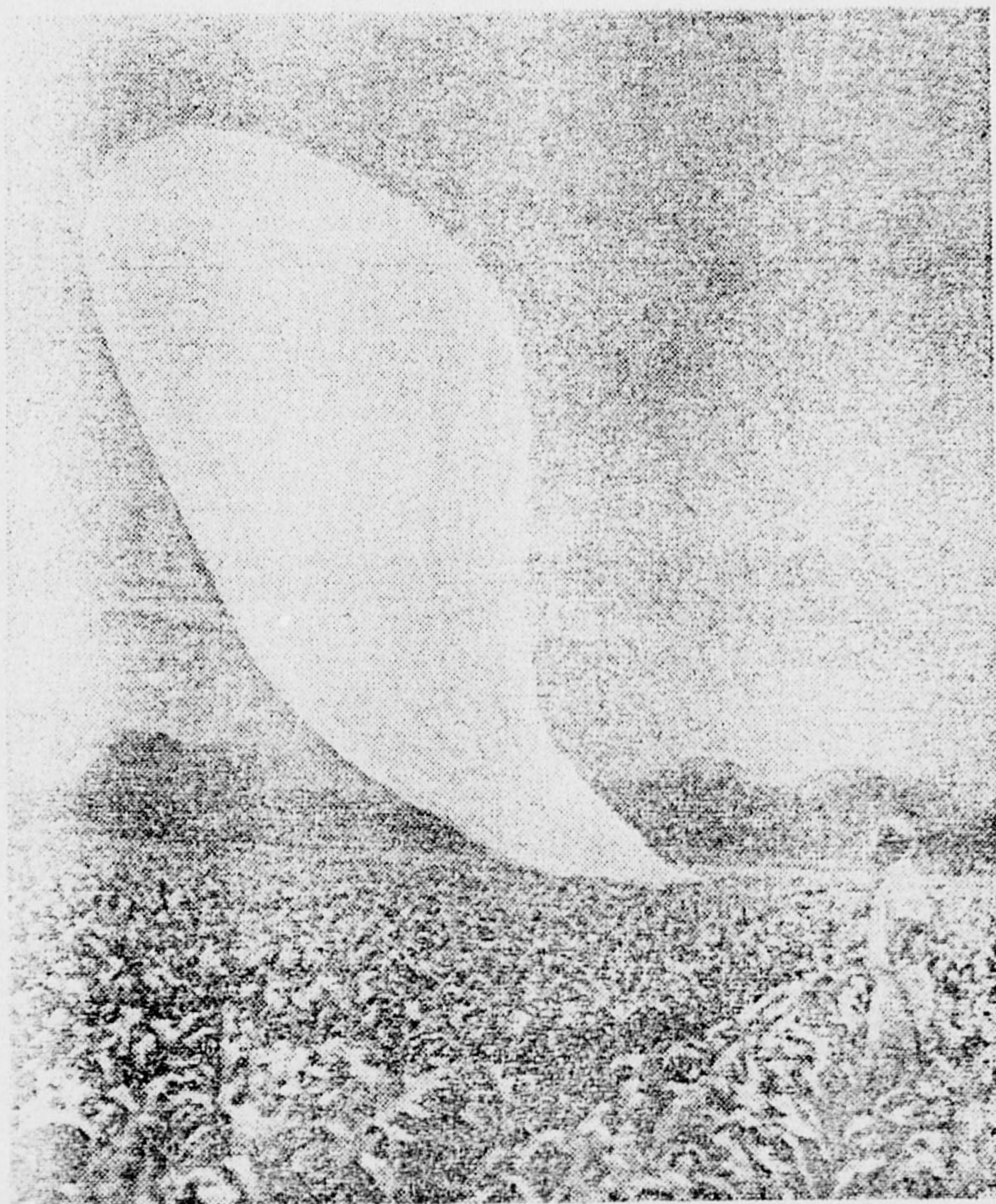
Operational use of the type K-12 is the same as the K-11 dart target except that it is easier to see, track, and hit because of its larger size.

It also employs an X-band corner radar reflector mounted at the rear of the target.

From France

Dayton Journal Herald 20 July 68

Balloon Drops In On Ohio Farmer



Associated Press Wirephoto

France-To-Ohio Balloon

Lands in Scioto cornfield

PORTSMOUTH, O. — (AP) — Corn farmer George L. Davis has a huge, plastic balloon belonging to the French government—a balloon that appears to have been orbiting the Earth at extremely high altitudes since May of this year.

The hydrogen-filled, cylinder-shaped bag dropped on Davis' cornfield in the Scioto river bottom lands three miles north of here yesterday morning, when the last of its hydrogen gas leaked out. It covered an acre of Davis' cornfield and when fully inflated it might have been about 600 feet in length.

Davis said the balloon carried a card with the date of May 7, 1968, and the words "National Center of Space Studies, Landes, France, Balloon Launching Center." There was also a warning on the balloon that it was inflated with hydrogen and could be dangerous.

Davis speculated that originally the balloon had carried instruments which apparently had been dropped earlier by parachute. A strap with a metal ring attached hung from the balloon as it collapsed over the cornfield.

Weather bureau officials told Scioto county authorities that the balloon apparently had orbited the Earth from France since there were no prevailing winds which would have blown it directly to this country from France.

Davis has not decided what he'll do with the balloon. His cornfield was damaged by the plastic bag.

DAYTON DAILY NEWS 21 JULY 68

Latins Seeing Saucers, And Not in Their Cups

BUENOS AIRES — (UPD) If there really are flying saucers, they don't restrict themselves to the northern hemisphere.

From Mexico to the freezing Antarctic, "objetos volantes no identificados (OVNI) — unidentified flying objects — have been reported, along with eyewitness accounts of strange beings, some of whom that can even write in Spanish.

REPORTS of flying saucers and saucer-related events have touched off investigations of all kinds in Bolivia, Peru, Venezuela, Mexico, Chile and Argentina—where a mass saucer epidemic has been underway since June.

So many sightings have been reported that Argentine Adm. Benigno Varela recently said the Navy would undertake a "statistical study of serious sightings."

The navy has not been immune from the strange visions. Varela said that detachments manning Argentine, English and Chilean antarctic bases have seen "five lights in the sky moving in the same direction."

GABRIEL Alvial Caceres, director of the Cosmic Radiation center at the University of Chile, thinks that even the term "OVNI" is a bit strong. He added that "unexplained phenomena" is more accurate.

But whatever they are, Caceres claims that he photographed 15 of them from the observatory perched on Little Hell mountain in the Chilean Andes.

In Niteroi, Brazil, across the bay from Rio de Janeiro, an official police report this month attributed the mysterious deaths of two television repairmen to "persons or beings from the unknown."

ONE OF the two repairmen, Miguel Viana, was reported to have shot down a flying saucer two years ago. The repairmen died three months later. A dozen witnesses said they saw a saucer 90 feet above the ground shortly before the repairmen's deaths.

In Argentina, the mysterious intruders at least are friendly.

"They're always very amiable," said Catolicio Fernandez, a farmer who resides in Mar Del Plata.

He claimed that his home was visited briefly last month by two strange-looking, thin fellows in tight-fitting green suits that had a weird glow.

"When one of them raised his arm, I became dizzy," Fernandez said, describing the strangers. "But when they lowered their arms I felt all right again."



LICENS

1301 GRANT ST.

AREDO, TEXAS 78040

November 27, 1968

Mr. Robert Citron
Center for Short-Lived Phenomena
Smithsonian Astrophysical Observatory
Cambridge, Mass.

Dear Mr. Citron:

I am enclosing a copy of a report of the sighting of an unidentified object that I observed during this past summer.

This report was made the day after the sighting and I sent it in to Sky & Telescope. They replied later saying that they had no definite idea what this could have been.

At that time I was unaware of your interest in this kind of thing, so I am sending this in the hope that you will perhaps find this of some use to you. Since then my attention was drawn to an article in Scientific American of November 1968 entitled "Artificial Plasma Clouds in Space", beginning on page 80. I am enclosing a copy of part of this where they say that these clouds are visible at great distances, and of course I believe this is a possible explanation of what I saw.

Incidentally the friend with whom I was observing that night saw what he thinks is the same object, or the same type of object, about three weeks later, but it was moving then from north to south. I was not with him then.

Naturally I am very curious as to what this object might have been, and would appreciate it if you have the time, receiving your comments.

Very sincerely yours,

REPORT OF SIGHTING OF STRANGE MOVING OBJECT IN SKY, JULY 21, 1968

TIME: Sighted at approximately 10:50 PM CDT $\pm$ 2 minutes

LOCATION OF OBSERVER: Laredo, Texas, $27^{\circ} 30' N.$, $99^{\circ} 30' W.$

SKY CONDITION: Clear

SEEING CONDITION: To the south, limiting magnitude about 4 to $4\frac{1}{2}$ over city lights. To the north, somewhat better, limiting magnitude possibly 5.

For about 2 hours before sighting this object, I had been observing in company with a friend, in his backyard shielded from any direct ground lights, watching the sky with the naked eye and binoculars and making occasional observations with his six-inch Newtonian telescope. We usually make ourselves as comfortable as possible on these occasions and had two cots on which we would lie when not occupied at the telescope. It was while I was lying on a cot looking skyward and my friend, unfortunately, was occupied at the telescope that my attention was taken by a most unusual object, a description of which follows:

APPEARANCE: It seemed to be a self-luminous gaseous cloud with a central condensation. In color, it was much the same as the light seen in a small telescope of extra-galactic nebulae, having the cold bluish evanescent quality of these objects.

MOTION: It was in motion when I first glimpsed it; the point when I first observed it was in the area between Beta Scorpii and the southern boundary of Ophiuchus. It was moving toward the west rapidly.

FURTHER NOTES ON GENERAL APPEARANCE: To the naked eye it had the appearance of a weakly glowing diffuse ball or disc, seemingly of gaseous matter. The estimated visual magnitude was about 3 to $3\frac{1}{2}$ overall. When my first astonishment at this sighting subsided, and this was very quick, I grabbed for the binoculars (7x50 Zeiss) lying at my side and trained this instrument on the object, still in apparent uniform motion across the sky. In the glass I could make out no structure, but confirmed the naked eye observation of a central condensation suggestive of a nucleus

In size, I estimate that it subtended an arc of about 10 to 15 minutes. The entire sighting lasted no more than 5 seconds, and as it faded from view, I got the distinct impression of a foreshortening, seeming to indicate its shape as more disc-like than spherical. It was not sharply outlined against the sky background, but the outer parts of it definitely diffused toward the edges, seeming to fade into the background as if the outer parts were much more tenuous than the main part.

During the few seconds of observation, not over 5, it moved about 30° of arc when it was lost to view, with uniform motion not seeming to accelerate or slow down in any way and moving in a straight course toward the west.

The central condensation did not appear much more brilliant than the overall brightness, that is to say there was no appearance of a glowing bright object or star-like illumination in the center, but it seemed only to be denser in this central area and no hint of structure or detail.

Submitted by  n

Laredo, Tex. 78040

If you will imagine a photograph of a nearly spherical nebulae, project this against the sky so it occupies about 10 to 15 minutes of arc, but omit any hint of structure, you will have a pretty good idea of what this thing looked like. Add to it that special quality of the light seen when viewing these objects and you will be pretty close to it.

DISTANCE OF OBJECT: Here I am pretty much at a loss. From the rapid motion and the foreshortening as it moved away I would have to guess it wasn't very far away, as things go astronomically, but perhaps something within a matter of up to a few hundred miles, maybe more, but definitely I would think not too far out. And very possibly much closer than this.

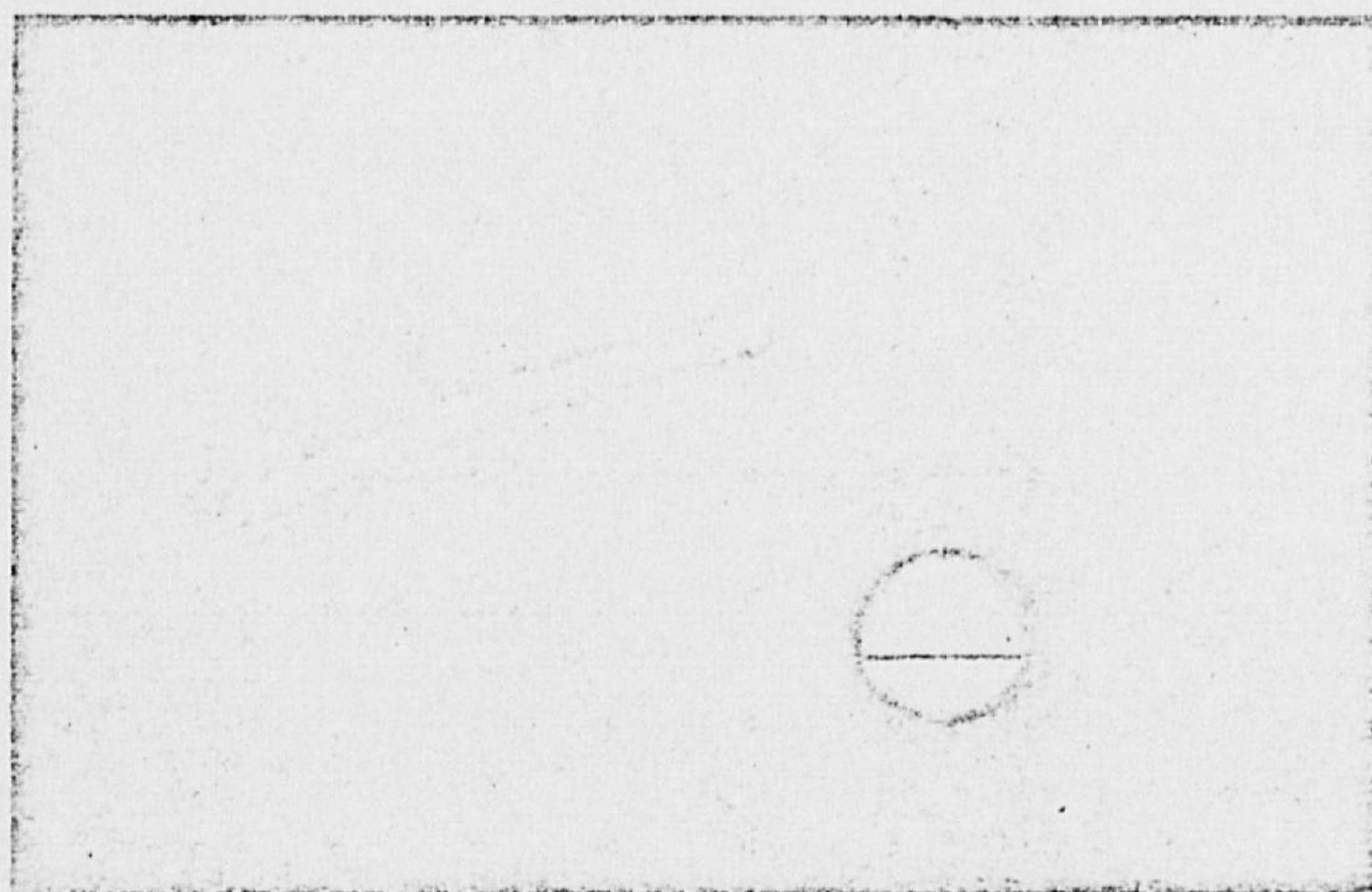
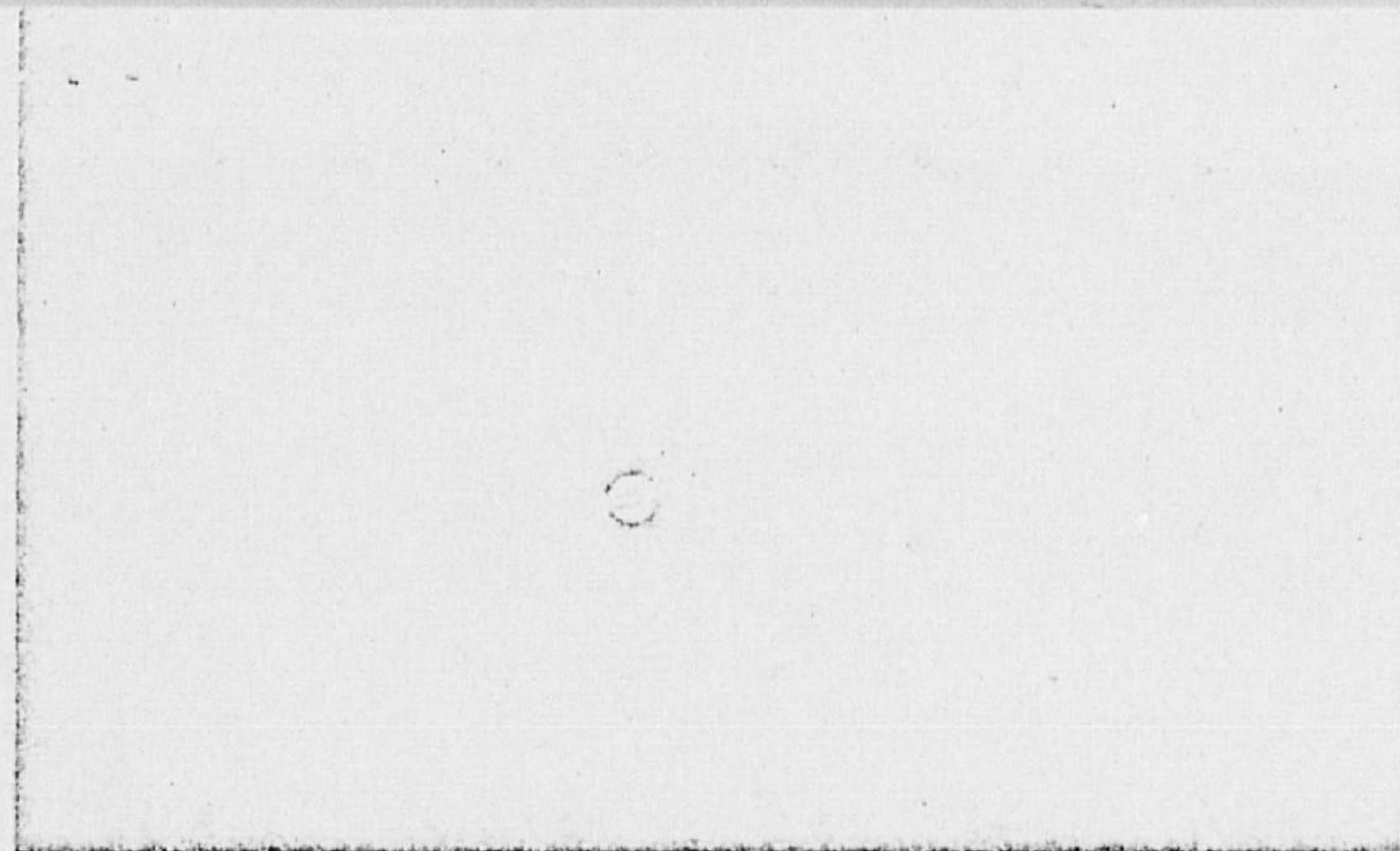
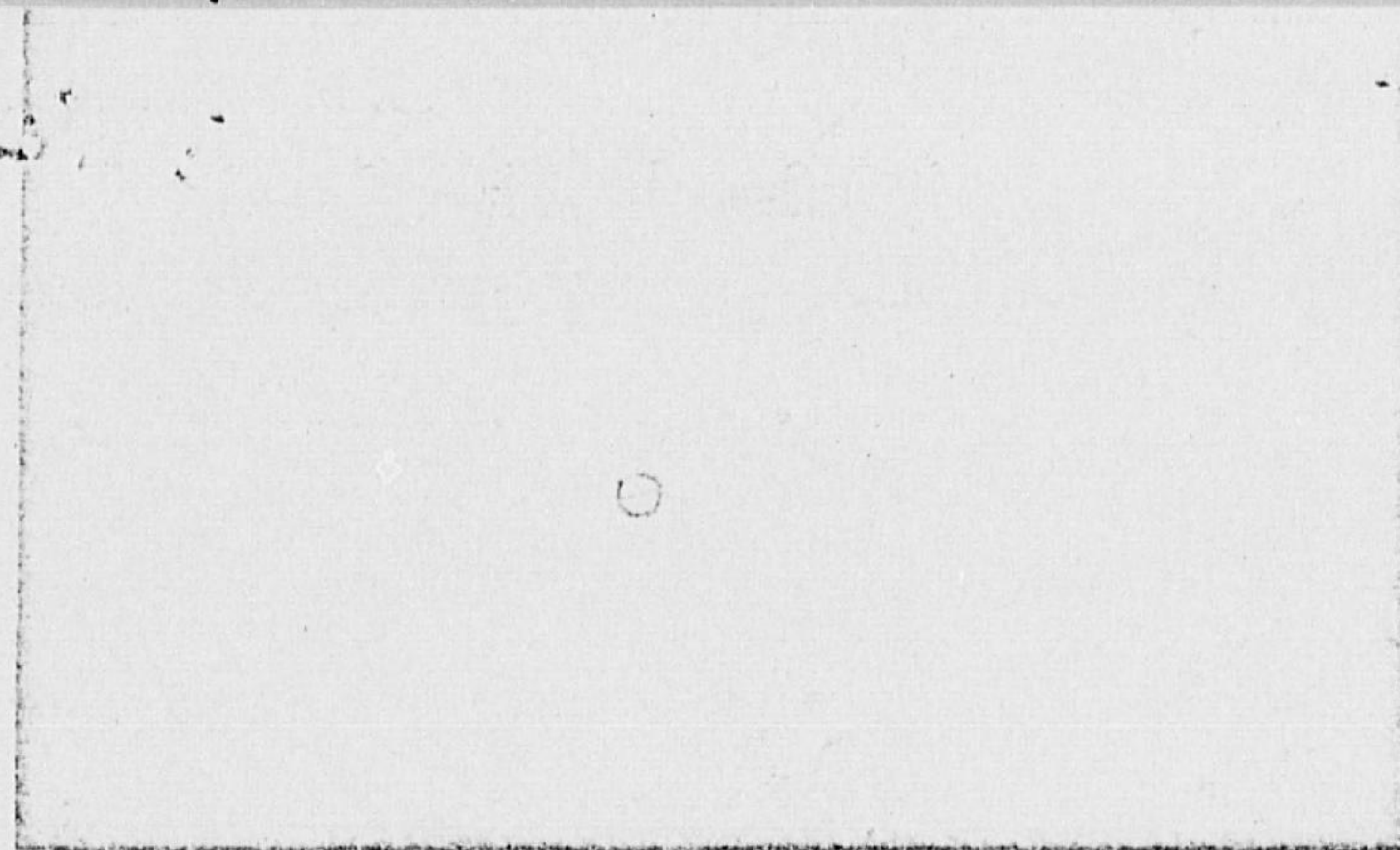
SPECULATION: Naturally I was quite excited at this unexpected observation of an object that I had never observed nor, to the best of knowledge, has ever been reported by an observer, and I have tried to determine what it wasn't.

Before going into this, I maybe should say that I have been an amateur observer of the heavens for over 20 years. I have observed with the naked eye, binoculars, and 6 and 8 inch telescopes. I know and would recognize the appearance of moving airplanes, artificial satellites, birds, insects, and what have you. I know the appearance of planets, nebulae, galaxies, clusters, double & multiple stars, and meteors and all of these things that are so dear to the amateur astronomer.

Therefore I would eliminate all of these. A bird (and I have seen them too at night) just isn't shaped like this to begin with; the same goes for insects. But let's say, aside from this consideration, that it could have been one of these things. A bird would have to be pretty doggoned close to move as fast as this did, and I would certainly have made out his shape in the glasses. Secondly, a bird would have to be illuminated by lights below and these lights would cast some sort of modeling, and there was none. As for insects (and I've been fooled by them before), it didn't look like an insect for a starter, and an insect to show this size would have to be quite close. My binoculars had been focussed for infinity. When I raised them to this object, it was in perfect focus, not likely to result if I had looked at a close-by insect.

I eliminate meteors mainly because this didn't behave like a meteor or appear at all like a meteor. The same for an artificial satellite breaking up (unless it could have been ECHO I, but would it appear like this?). I eliminate nebulae and extra-galactic objects because this seems outrageously impossible, but it did look something like a nebula. It could have been a tailless comet, but if it was could a comet move like this? Which, to my limited knowledge, doesn't leave much else except an unknown and heretofore unreported type of astronomical object.

Because of my skepticism, I have left this for the last, and that is UFO's, and I hesitate to call it that in the sense that it was nothing like reported sightings of UFO's that I've read about. No flashing lights, etc. Could it be marsh gas, as some say? I suppose so, but I wouldn't know what marsh gas looks like, and I understand that it (marsh gas) would be near ground level anyway.



MOVEMENT OF ARTIFICIAL CLOUDS is shown for a period of 1,000 seconds, or about 17 minutes. At 1 the cloud has just been ejected from a rocket. Ten seconds later (2) the cloud is in an expansion phase. About 100 seconds after the starting time (3) two

distinct clouds are evident. The spherical neutral cloud, consisting of nonionized particles, is moved by the wind; the ionized cloud responds mainly to the electric field. Situation at end of period (4) shows large separation of clouds due to respective drift motions.

coupling to the neutral atmosphere be fairly weak, that is, that the frequency of gyration of the barium atoms be rather high compared with their frequency of collision with the neutral particles of the atmosphere. At a height of 120 miles the ratio of the two frequencies is about 100 to one; at 145 miles it is about 500 to one. Here is another reason for concentrating most of our experiments in this range of altitudes. For the study of ionospheric effects it is not economical to generate the clouds at higher levels; the ions are no longer supported by the atmosphere, and so they fall along lines of magnetic force to levels below 200 miles within a few minutes. The height gained by launching a bigger rocket is therefore of little value.

On the other hand, certain important effects can be examined only if the particles are high enough to travel for several minutes without colliding. In April, 1966, we were able to carry out two experiments at an altitude of 1,200 miles, using French rockets launched from a site in the Sahara Desert. The two ionized barium clouds, each of which con-

sisted of about 50 grams of barium ions, marked the lines of force of the earth's magnetic field over a length of 1,200 miles. They were observed from the middle of Africa to central Germany.

Five months later we released a cloud some 570 miles above the East Coast of the U.S. The ion cloud could be watched for about 50 minutes as it expanded along the lines of magnetic force while falling into the lower atmosphere. It was visible as far away as North Dakota.

Our group has now conducted enough plasma-cloud experiments in enough places to make it possible to attack a few of the more general problems that can be approached through an analysis of the electric field in the magnetosphere. One such problem concerns the maintenance of the worldwide ionospheric electric-current system [see upper illustration on opposite page]. This current, which is strongest on the earth's sunlit hemisphere, consists of two systems meeting at the geomagnetic equator. There, for reasons connected with the horizontal direction of the magnetic

field, the conductivity is high and the current is strong. These patterns of flow have been derived from the continuous recordings made by magnetic observatories throughout the world. Many features of the current were well known long before the era of space research; among its outstanding students have been Sydney Chapman of Britain (who is now at the Geophysical Institute of the University of Alaska) and Julius Bartels of Germany.

As early as 1882 the British physicist Balfour Stewart suggested that electric currents in the upper atmosphere could be generated by the motion of the neutral atmosphere across the magnetic field. The situation is analogous to the "dynamo effect" in a typical electromagnetic generator, where an electric current is generated when conductors are moved through a magnetic field. The entire atmospheric current system would be similar to an electric circuit consisting of a generator and an external resistance. There is an essential difference in the relative orientations of current and electric field in both parts of the circuit.

In the external resistance they are pointing in the same direction, whereas inside the dynamo they are opposite to each other.

Observation of the motion of the artificial plasma clouds demonstrated the existence of such electric fields in the atmosphere. They showed also that in the twilight zones at middle magnetic latitudes the direction of the electric fields corresponds to the situation inside a dynamo. The clouds have therefore provided what is apparently the first direct experimental verification of the Stewart hypothesis. The observed electric fields have a strength of between one and three volts per kilometer at middle magnetic latitudes.

Another interesting feature of the barium-cloud experiments is the appearance in the clouds of striations aligned with the magnetic fields. The striations range in width from a half-mile to about six miles. They seem to indicate that the density distribution of the ionized matter in the ionosphere (and probably also in the higher magnetosphere) is not smooth but rather like a bundle of fibers. The fibers are not constant in space but change within a few minutes. The mechanisms of their generation and decay are not well understood.

A fascinating region for experiments with ion clouds is the zone where auroras are regularly observed. In the auroral zone the magnetic lines of force that are linked to the distant part of the magnetosphere (particularly to the tail region) meet the surface of the earth. The motions set up in the outer magnetosphere by interactions with the solar wind are transferred by means of electric fields to lower altitudes.

For periods of a few hours strong currents can flow in the ionosphere. The maximum current, called the polar electrojet, flows westward along the oval track in which most auroras are seen. Such currents are normally accompanied by auroral displays.

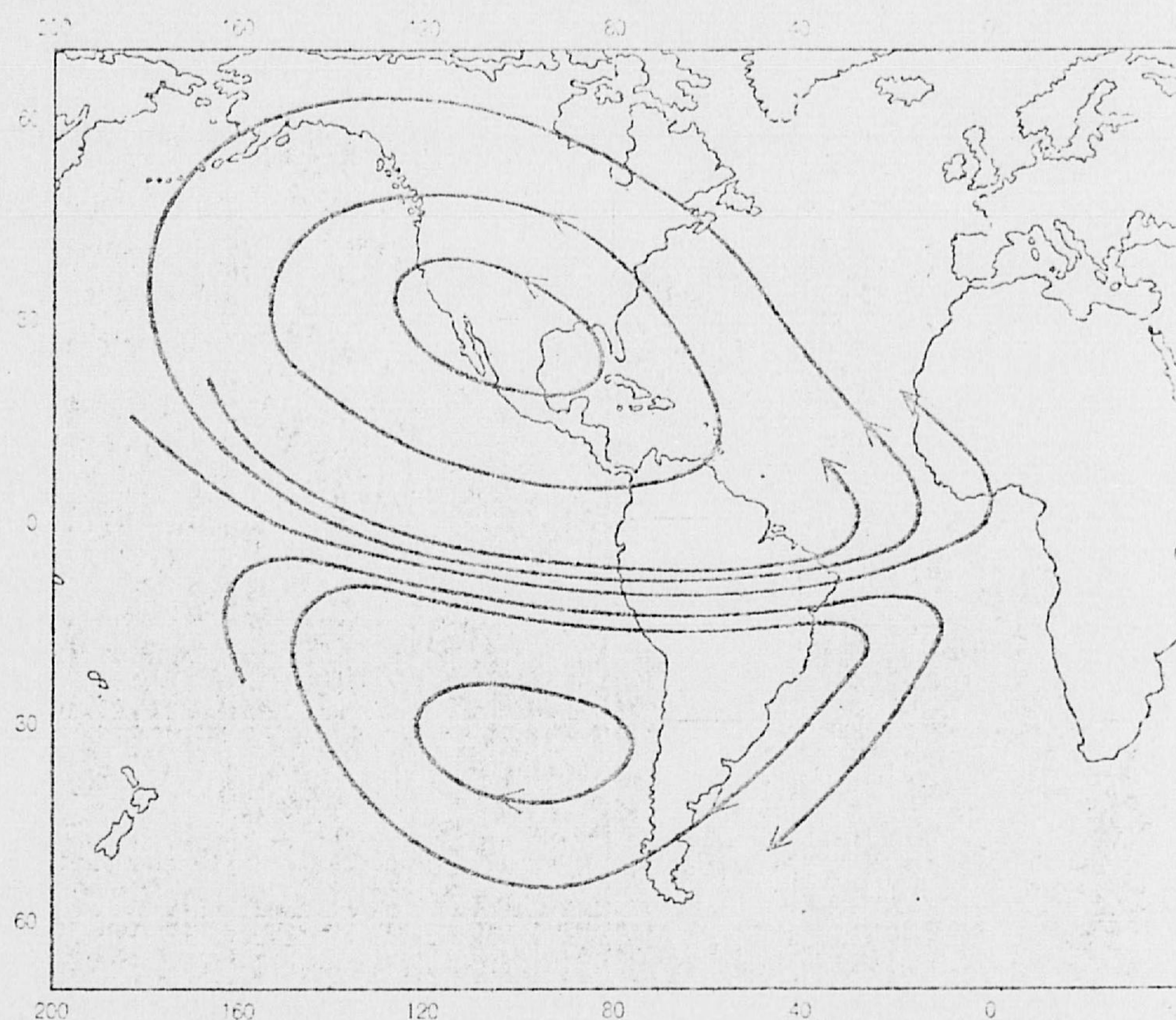
Since inside an aurora the density of ionization is higher than it is outside, the conductivity is also enhanced in that region. The maximum conductivity is normally located at an altitude of about 65 miles, which is the region of strong Hall current. Inasmuch as the Hall current consists of electrons, it is regarded as being positive in a direction opposite to the flow of electrons. In other words, a Hall current measured as moving westward consists of electrons drifting eastward.

At higher altitudes electrons and positive ions drift with the same velocity.

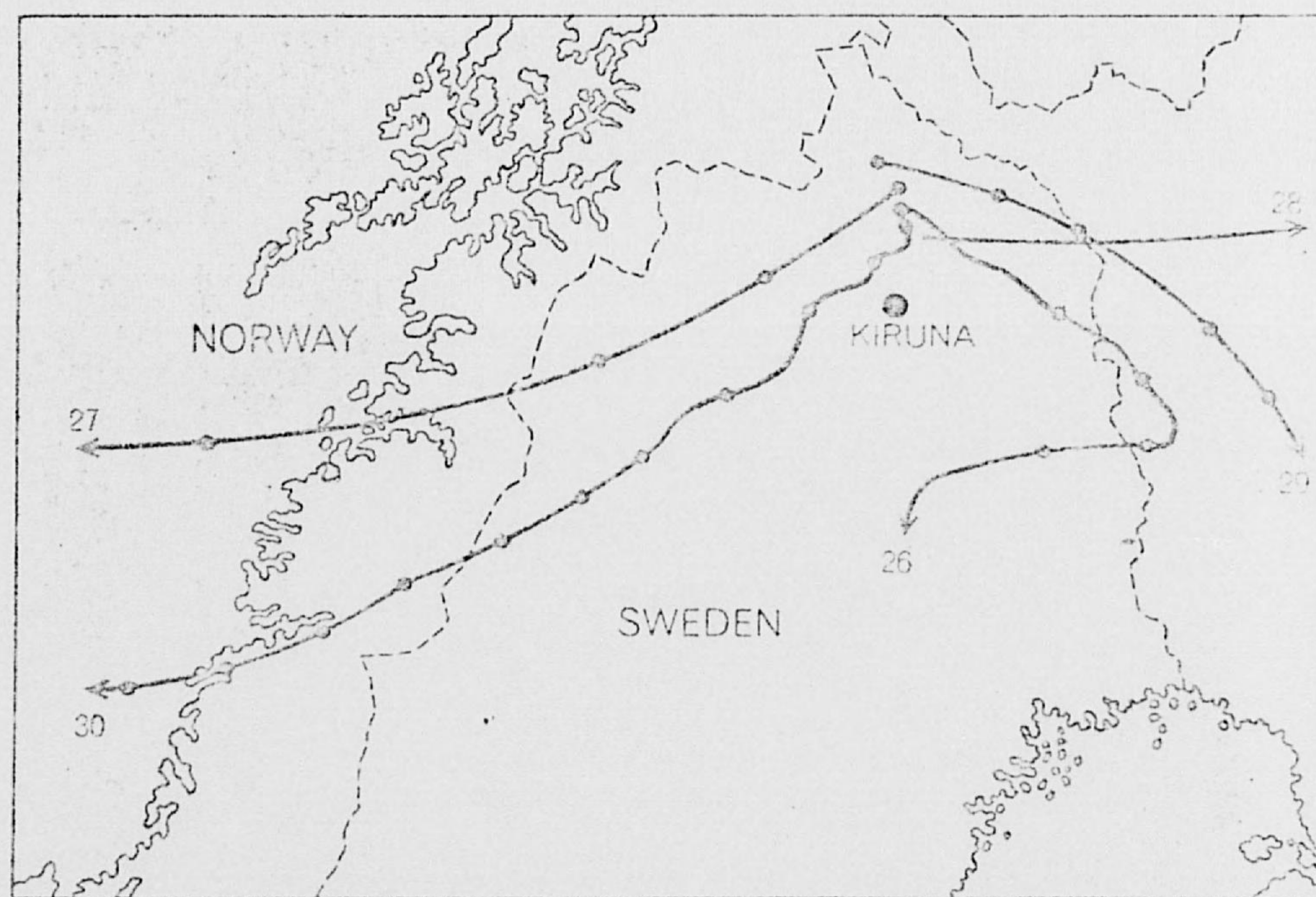
Therefore one would expect to see an artificial ion cloud traveling eastward whenever a magnetometer on the ground records a Hall current in the ionosphere as flowing westward, and vice versa. This expectation was fully confirmed by the experiments.

The first experiments of this kind

were carried out in April, 1967, in northern Sweden. On each of five consecutive nights an ion cloud was released at an altitude of about 140 miles. The development and motion of a cloud could be watched for as long as two and a half hours [see lower illustration below]. The changes in the value and direction



CURRENT SYSTEM in the ionosphere was plotted on the basis of magnetic perturbation recorded on the ground. The electric currents shown are on the sunlit side of the earth. The highest current density, at the geomagnetic equator, is called the equatorial electrojet.



PATHS OF CLOUDS released over Sweden on five days in April, 1967, are plotted. The clouds were released in the ionosphere over Kiruna in the late evening or early morning of the dates shown. The consecutive dots on each path represent intervals of 10 minutes.

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Ohio 45433

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Page 1

U.S. AIR FORCE TECHNICAL INFORMATION

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will be used for research purposes. Your name will not be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that if it is deemed necessary, we may contact you for further details.

1. When did you see the object?

05 July 1968
Day Month Year

2. Time of day: 11 30

Hours Minutes

(Circle One): A.M. or P.M.

3. Time Zone:

(Circle One): a. Eastern
b. Central
c. Mountain
d. Pacific
e. Other _____

(Circle One): a. Daylight Saving
b. Standard

4. Where were you when you saw the object?

Nearest Postal Address City or Town State or County

5. How long was object in sight? (Total Duration)

0 10 0
Hours Minutes Seconds

a. Certain
b. Fairly certain

c. Not very sure
d. Just a guess

5.1 How was time in sight determined? guess

5.2 Was object in sight continuously? Yes ✓ No _____

6. What was the condition of the sky?

DAY
a. Bright
b. Cloudy

NIGHT
a. Bright
b. Cloudy

7. IF you saw the object during DAYLIGHT, where was the SUN located as you looked at the object?

(Circle One): a. In front of you
b. In back of you
c. To your right

d. To your left
e. Overhead
f. Don't remember

FORCE UFO FORM

Page 2

8. IF you saw the object at NIGHT, what did you notice concerning the STARS and MOON?

8.1 STARS (Circle One):

- a. None
- b. A few
- c. Many
- d. Don't remember

8.2 MOON (Circle One):

- a. Bright moonlight
- b. Dull moonlight
- c. No moonlight—pitch dark
- d. Don't remember

9. What were the weather conditions at the time you saw the object?

CLOUDS (Circle One):

- a. Clear sky
- b. Hazy
- c. Scattered clouds
- d. Thick or heavy clouds

WEATHER (Circle One):

- a. Dry
- b. Fog, mist, or light rain
- c. Moderate or heavy rain
- d. Snow
- e. Don't remember

10. The object appeared: (Circle One):

- a. Solid
- b. Transparent
- c. Vapor
- d. As a light
- e. Don't remember

11. If it appeared as a light, was it brighter than the brightest stars? (Circle One):

- a. Brighter
- b. Dimmer
- c. About the same
- d. Don't know

11.1 Compare brightness to some common object:

STARS

12. The edges of the object were:

- (Circle One):
- a. Fuzzy or blurred
 - b. Like a bright star
 - c. Sharply outlined
 - d. Don't remember

e. Other _____

13. Did the object:

(Circle One for each question)

- | | | | |
|---|-----|----|------------|
| a. Appear to stand still at any time? | Yes | No | Don't know |
| b. Suddenly speed up and rush away at any time? | Yes | No | Don't know |
| c. Break up into parts or explode? | Yes | No | Don't know |
| d. Give off smoke? | Yes | No | Don't know |
| e. Change brightness? | Yes | No | Don't know |
| f. Change shape? | Yes | No | Don't know |
| g. Flash or flicker? | Yes | No | Don't know |
| h. Disappear and reappear? | Yes | No | Don't know |

Air Force UFO form continued

Page 3

Page 4

20. Do you think you can estimate the speed of the object?

(Circle One)

Yes

No

BUT IT WAS MOVING
START TO STOP

If you answered YES, then what speed would you estimate? _____

21. Do you think you can estimate how far away from you the object was?

(Circle One)

Yes

No

If you answered YES, then how far away would you say it was? _____

22. Where were you located when you saw the object?

(Circle One):

a. Inside a building

b. In a car

c. Outdoors

d. In an airplane (type) _____

e. At sea

f. Other _____

23. Were you (Circle One)

a. In the business section of a city?

b. In the residential section of a city?

c. In open countryside?

d. Near an airfield?

e. Flying over a city?

f. Flying over open country?

g. Other _____

24. If you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

24.1 What direction were you moving? (Circle One)

a. North

c. East

e. South

g. West

b. Northeast

d. Southeast

f. Southwest

h. Northwest

24.2 How fast were you moving? _____ miles per hour.

24.3 Did you stop at any time while you were looking at the object?

(Circle One)

Yes

No

25. Did you observe the object through any of the following?

a. Eyeglasses

Yes

No

e. Binoculars

Yes

No

b. Sun glasses

Yes

No

f. Telescope

Yes

No

c. Windshield

Yes

No

g. Theodolite

Yes

No

d. Window glass

Yes

No

h. Other _____

26. In order that you can give as clear a picture as possible of what you saw, describe in your own words a common object or objects which, when placed up in the sky, would give the same appearance as the object which you saw.

A BRIGHT STAR

Official U.S. Air Force

Page 3

14. Did the object disappear while you were watching it? If so, how?

The object disappeared
BEHIND A clump of Trees

15. Did the object move behind something at any time, particularly a cloud?

(Circle One):

Yes

No

Don't know

If you answered YES, then tell what

it moved behind:

IT moved BEHIND some Thin
CLOUDS

16. Did the object move in front of something at any time, particularly a cloud?

(Circle One):

Yes

No

Don't know

If you answered YES, then tell what

in front of:

17. Tell in a few words the following things about the object:

a. Sound

NONE

b. Color

LIKE A BRITE STAR

18. We wish to know the angular size. Hold a match stick at arm's length in line with a known object and note how much of the object is covered by the head of the match. If you had performed this experiment at the time of the sighting, how much of the object would have been covered by the match head?

MOST OF IT

19. Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, protrusions, etc., and especially exhaust trails or vapor trails. Place an arrow beside the drawing to show the direction the object was moving.



Force UFO form continued

Page 5

Page 6

gh the object
e object was
on the com-

30. Have you ever seen this, or a similar object before. If so give date or dates and location.

SAME NIGHT SAME PLACE

31. Was anyone else with you at the time you saw the object? (Circle One) ☒ Yes ☐ No

31.1 IF you answered YES, did they see the object too? (Circle One) ☒ Yes ☐ No

31.2 Please list their names and addresses:

[REDACTED]

BORLINGTON, VERMONT

32. Please give the following information about yourself:

NAME [REDACTED]

Last Name

First Name

Middle Name

ADDRESS [REDACTED]

Street

City

Zone

State

TELEPHONE [REDACTED] DE [REDACTED] SEX [REDACTED]

Indicate any additional information about yourself, including any special experience, which might be pertinent.

33. When and to whom did you report that you had seen the object?

Day

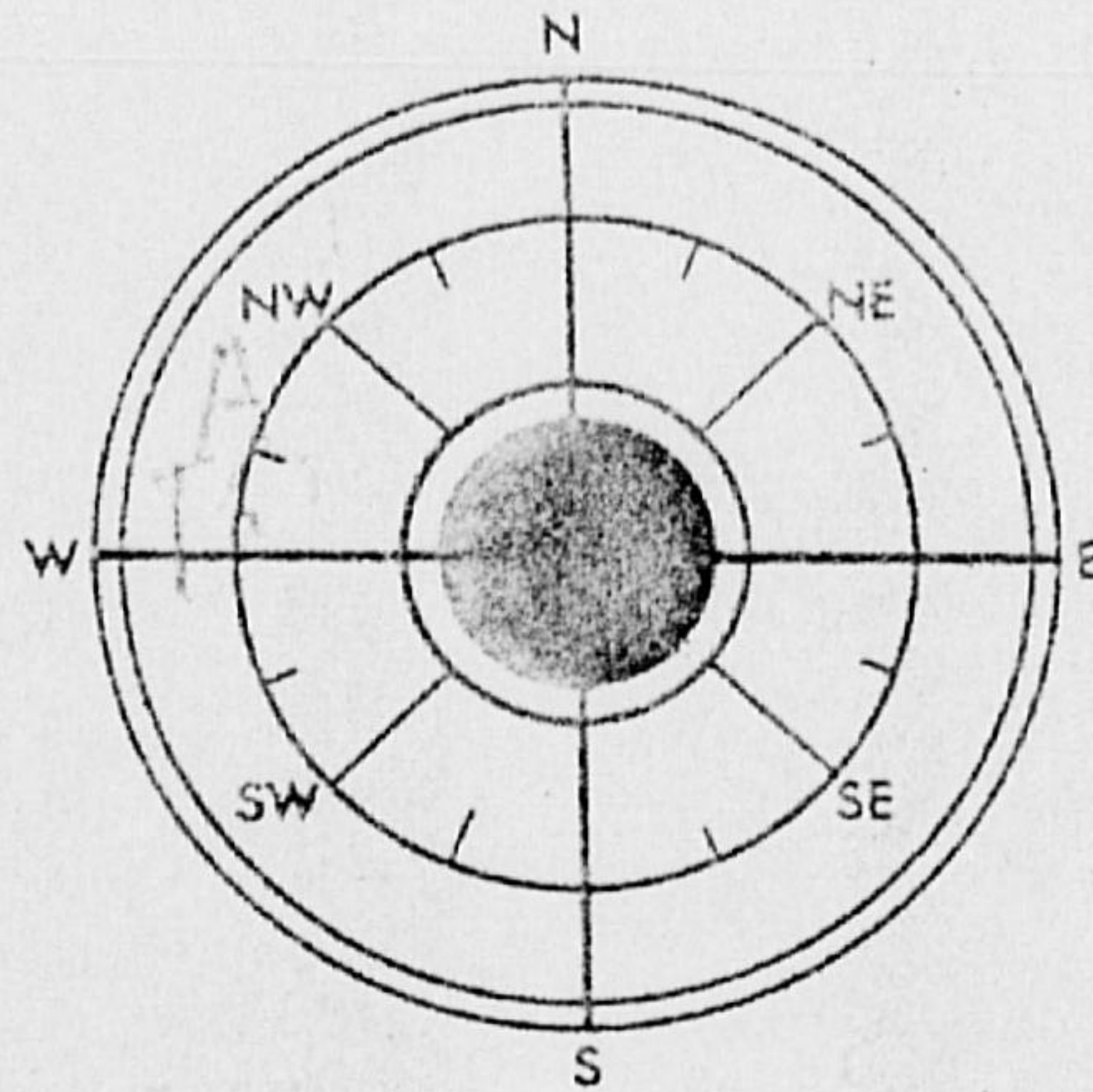
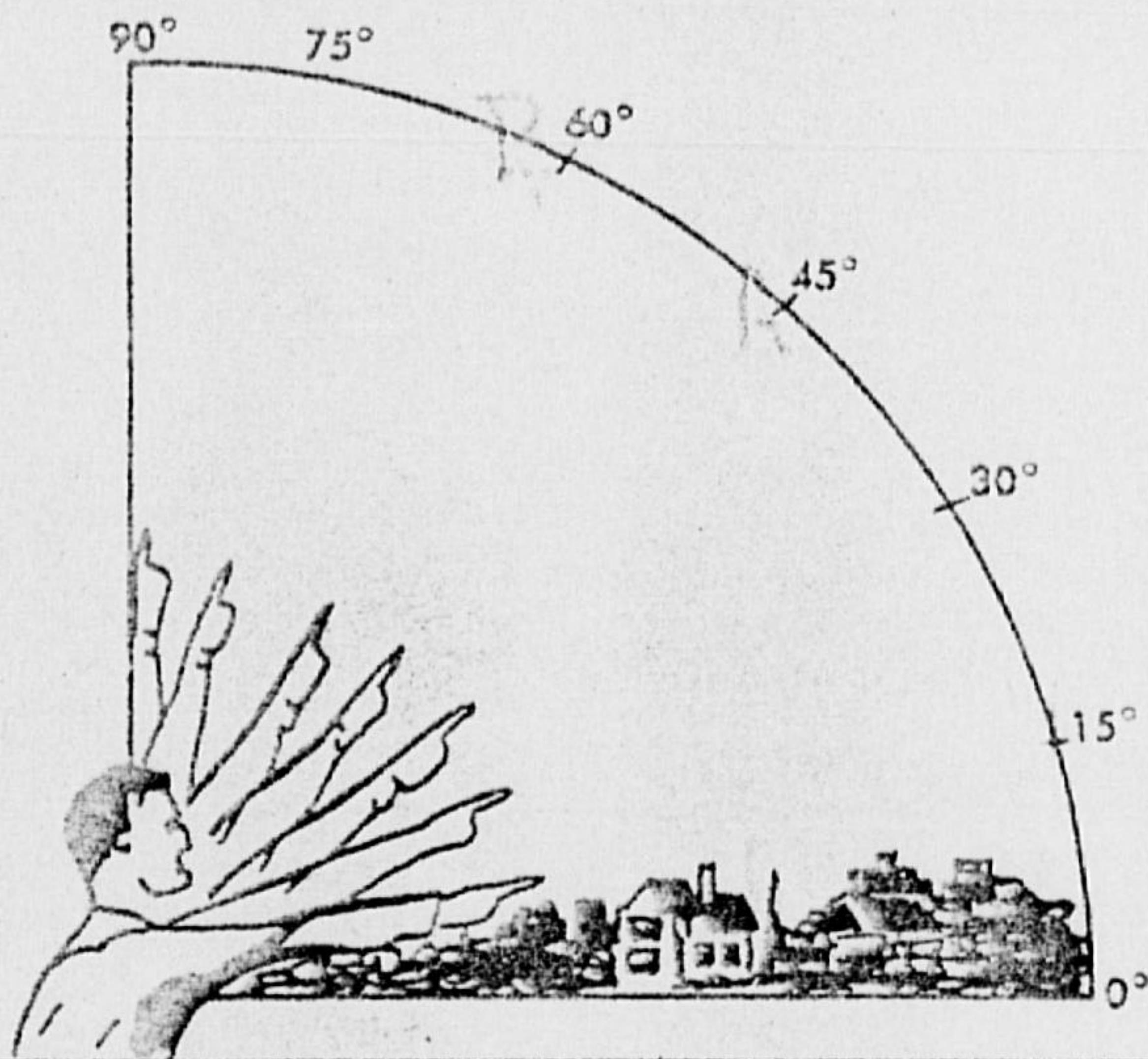
Month

Year

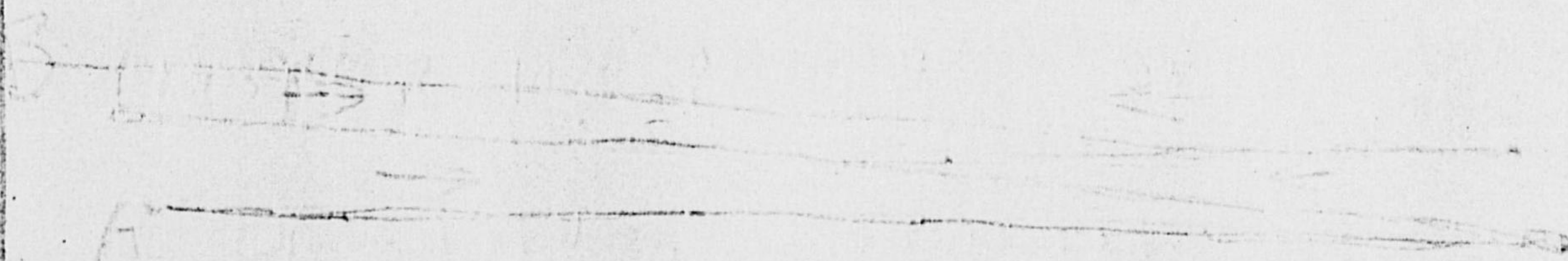
Official U.S. Air Force UFO form

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27. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when you first saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you last saw it. Place an "A" on the compass when you first saw it. Place a "B" on the compass when you last saw the object.



28. Draw a picture that will show the motion that the object or objects made. Place an "A" at the beginning of the path, a "B" at the end of the path, and show any changes in direction during the course.



29. IF there was MORE THAN ONE object, then how many were there? _____
Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

30. Have you ever seen

SAME

31. Was anyone else v

31.1 IF you answer

31.2 Please list the

32. Please give the follo

NAME

ADDRESS

TELEPHONE NUM

Indicate any addit

33. When and to whom

Day

Official U.S. Air Force UFO form

Page 7

34. Date you completed this questionnaire:

25 August 1968
Day Month Year

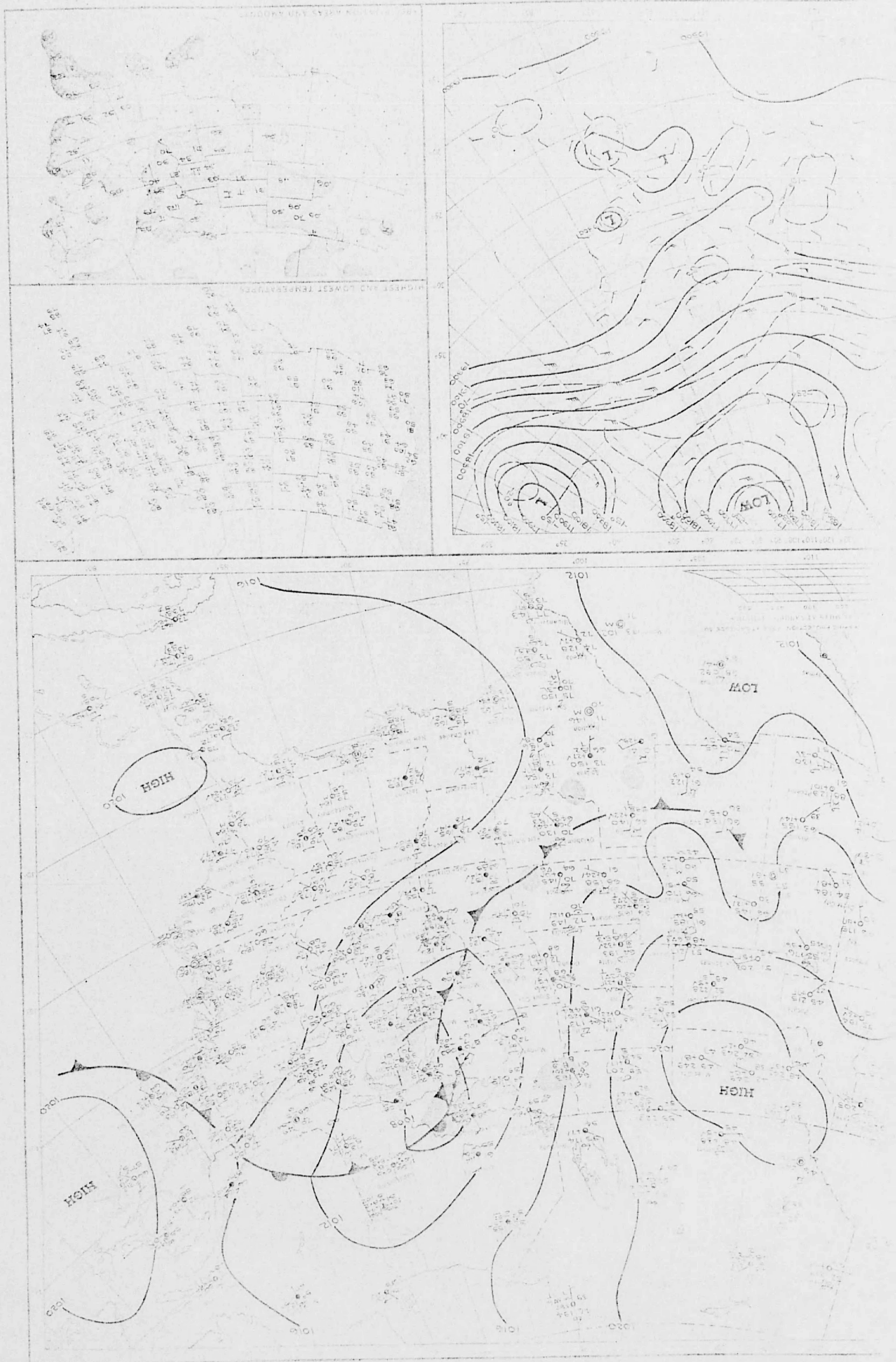
35. Information which you feel pertinent and which is not adequately covered in the specific points of the questionnaire or a narrative explanation of your sighting.

As The SAUCER CROSSED THE
SKY IT STOPPED HALFWAY
AND IN A FEW SECONDS IT
DOUBLED ITS SIZE AND BRIGHTNESS

Please
Answer
This

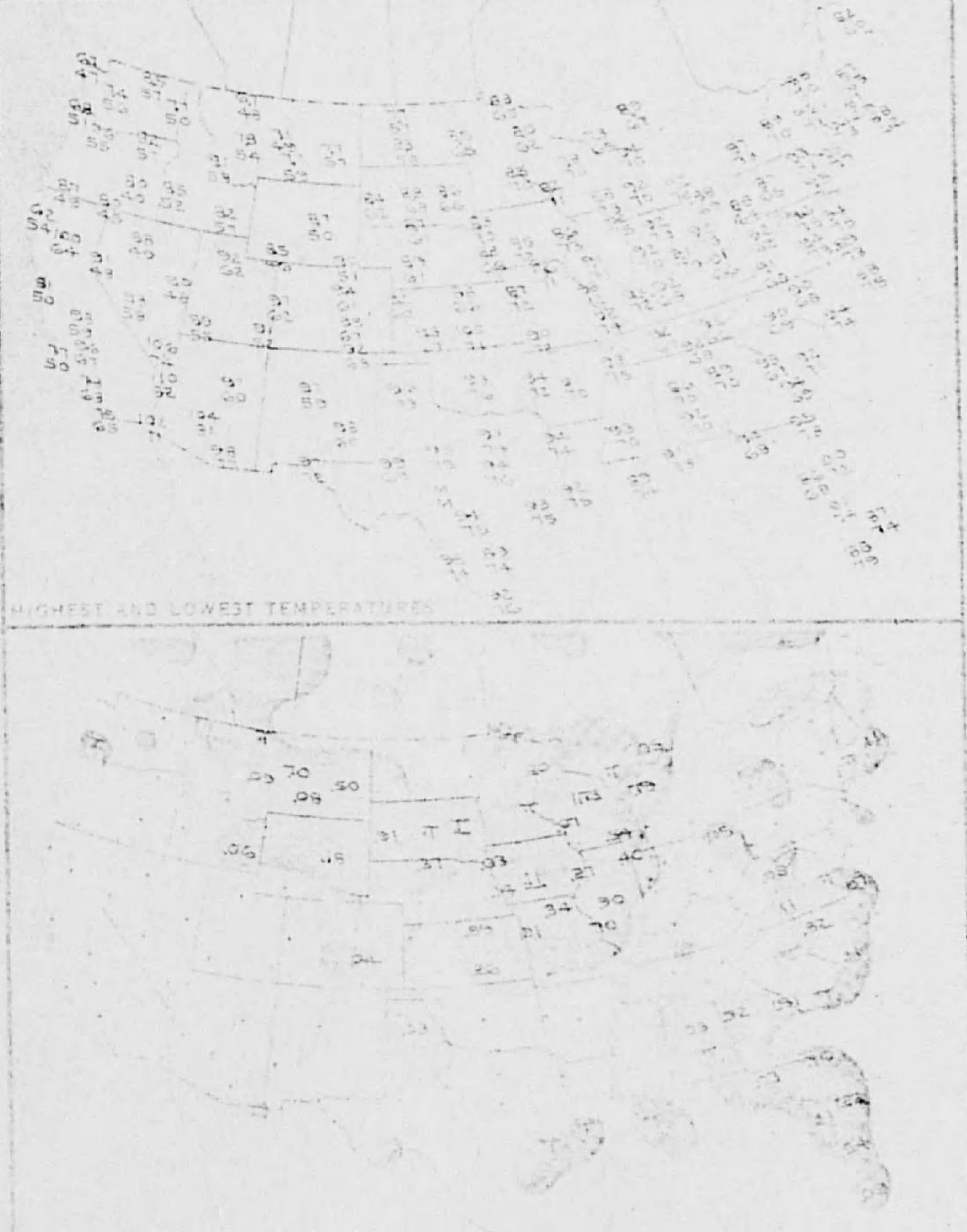
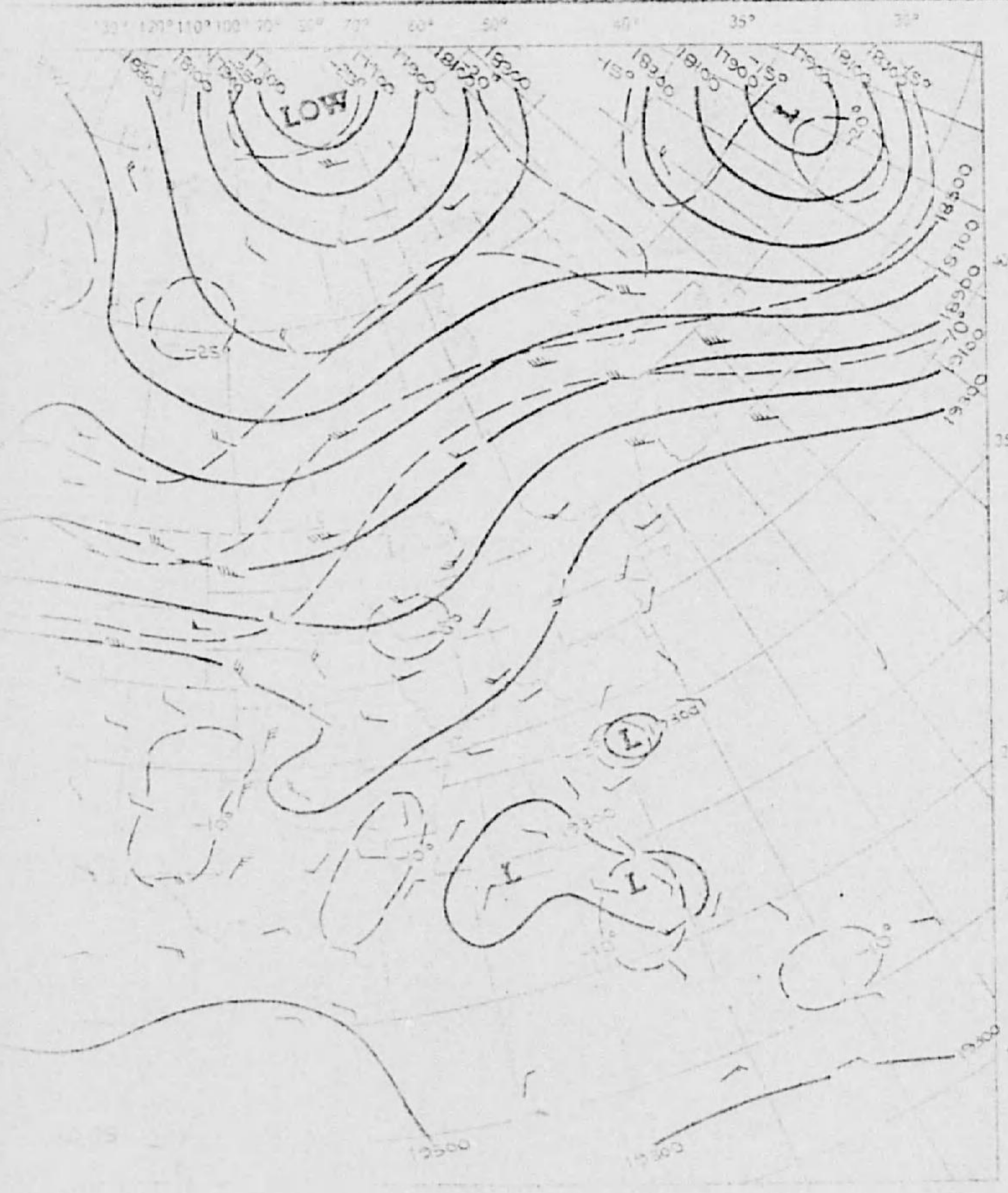
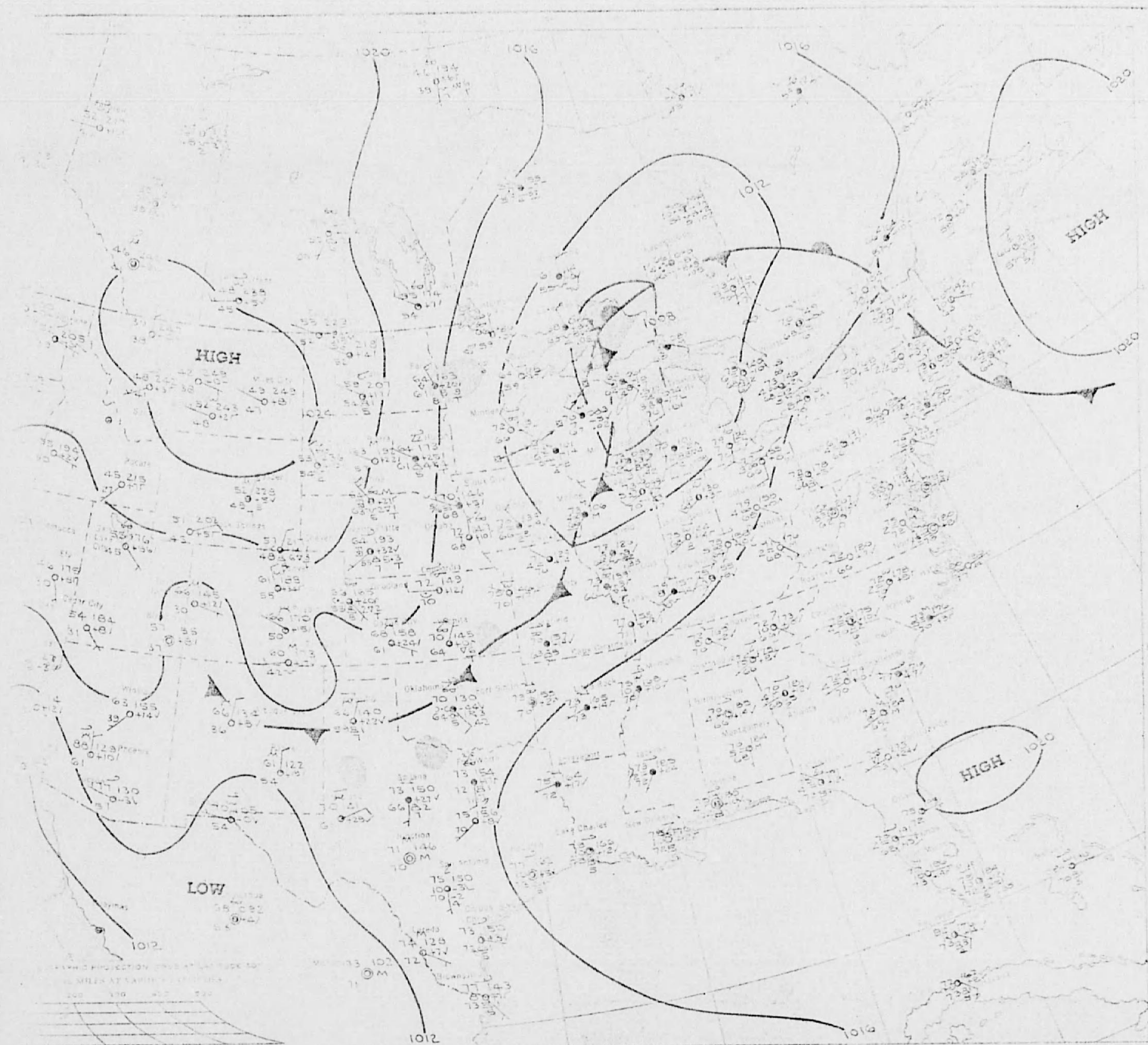
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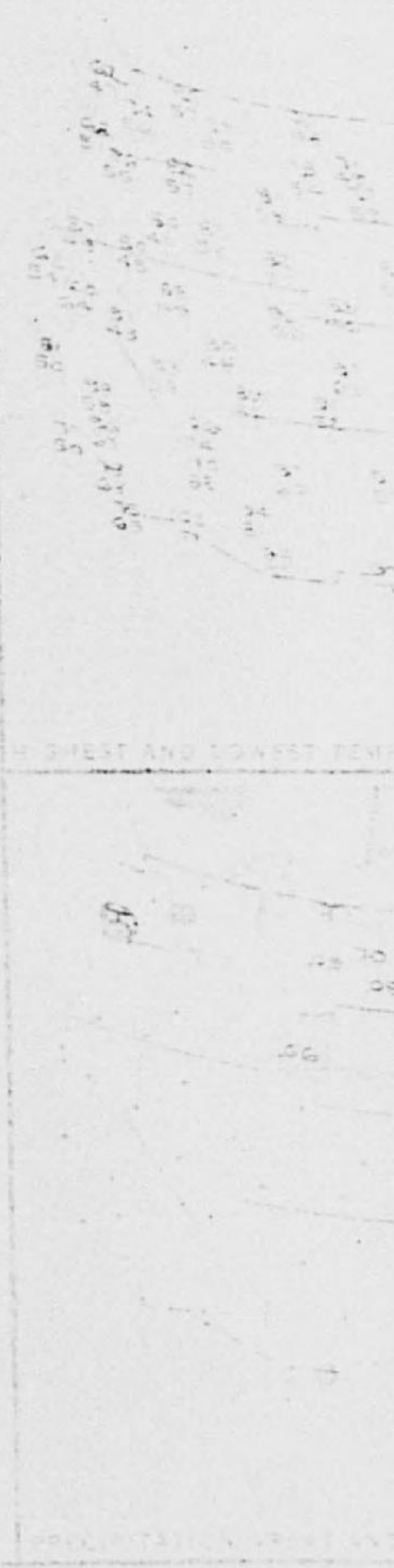
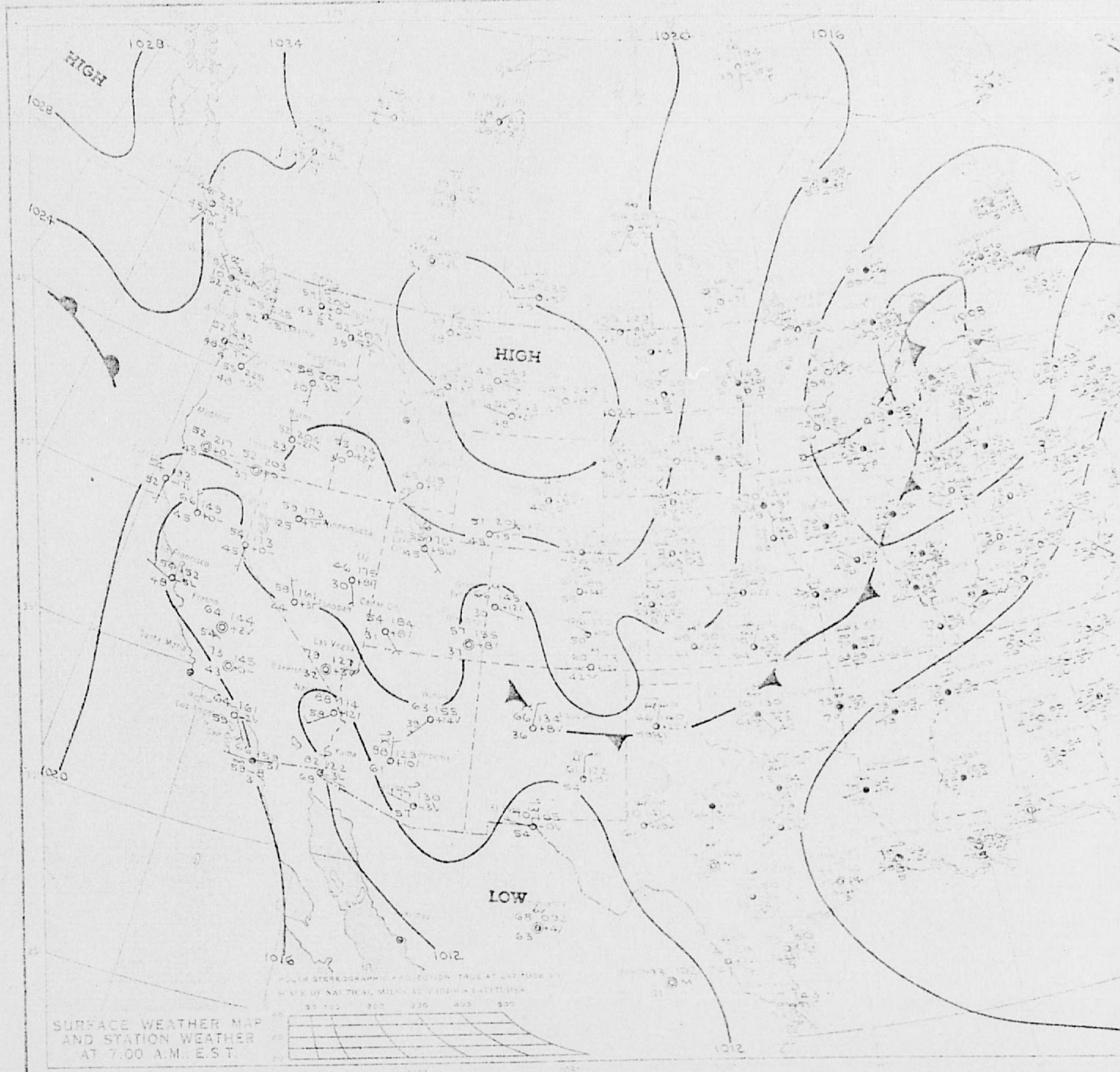
Concerning
The
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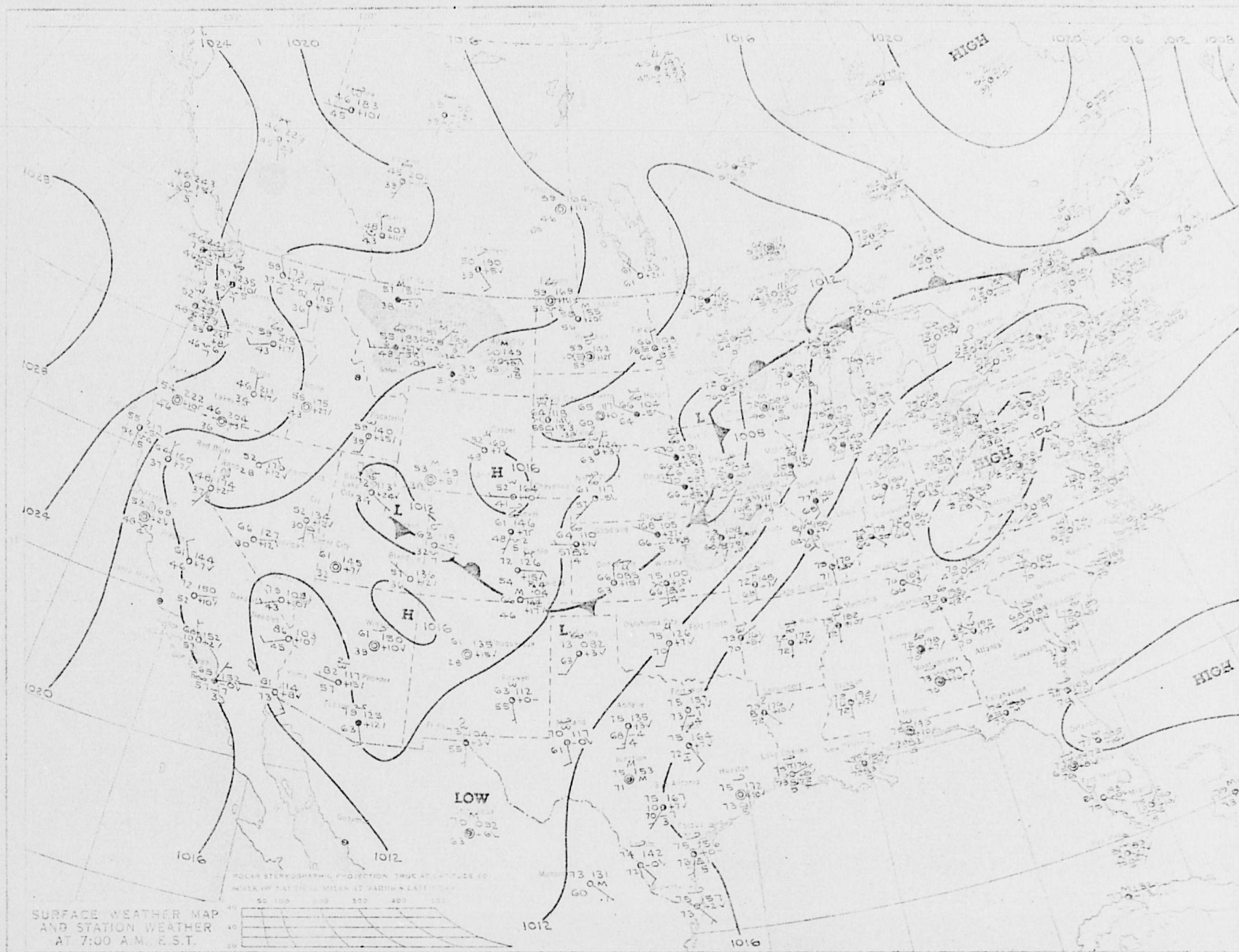
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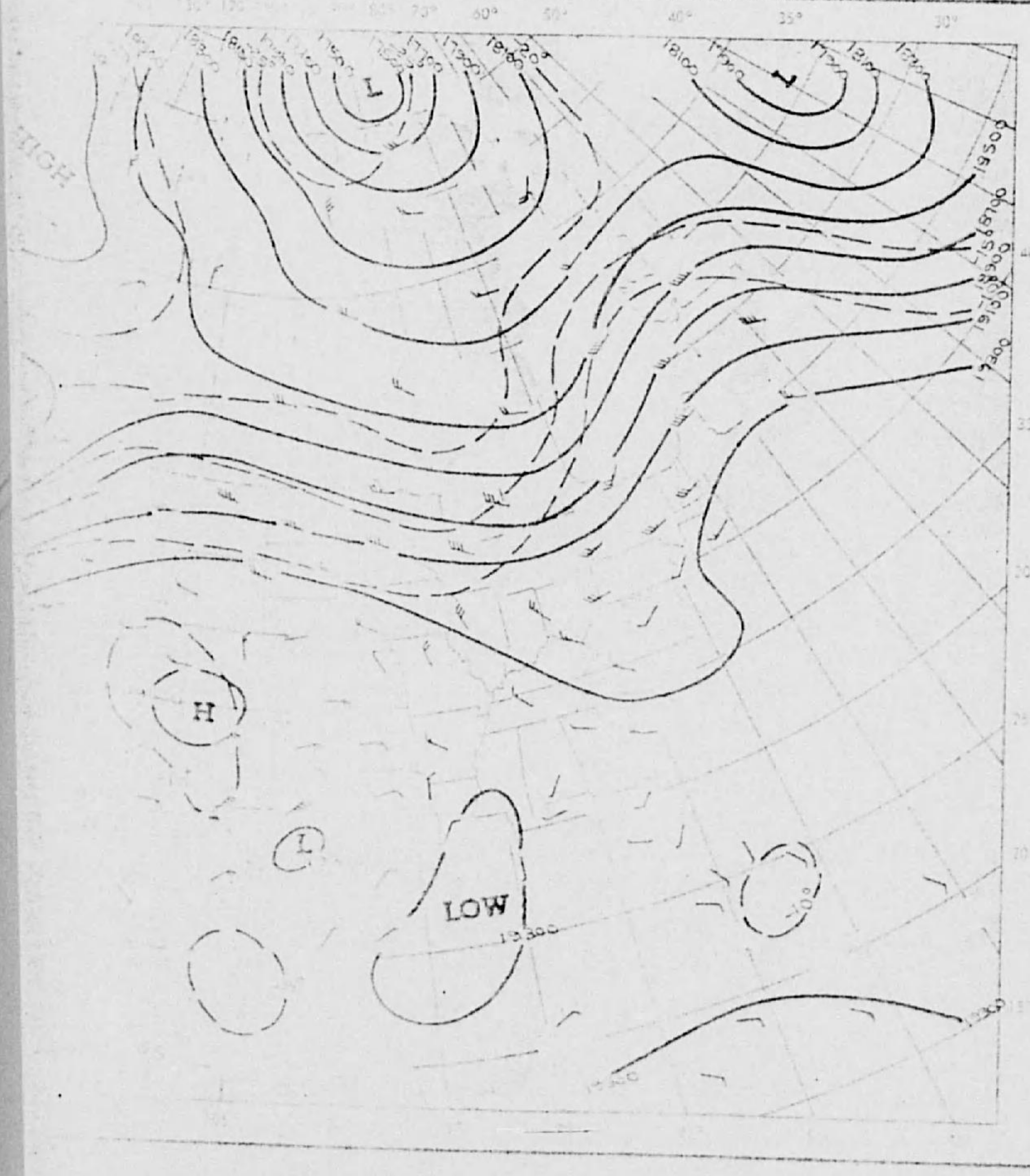
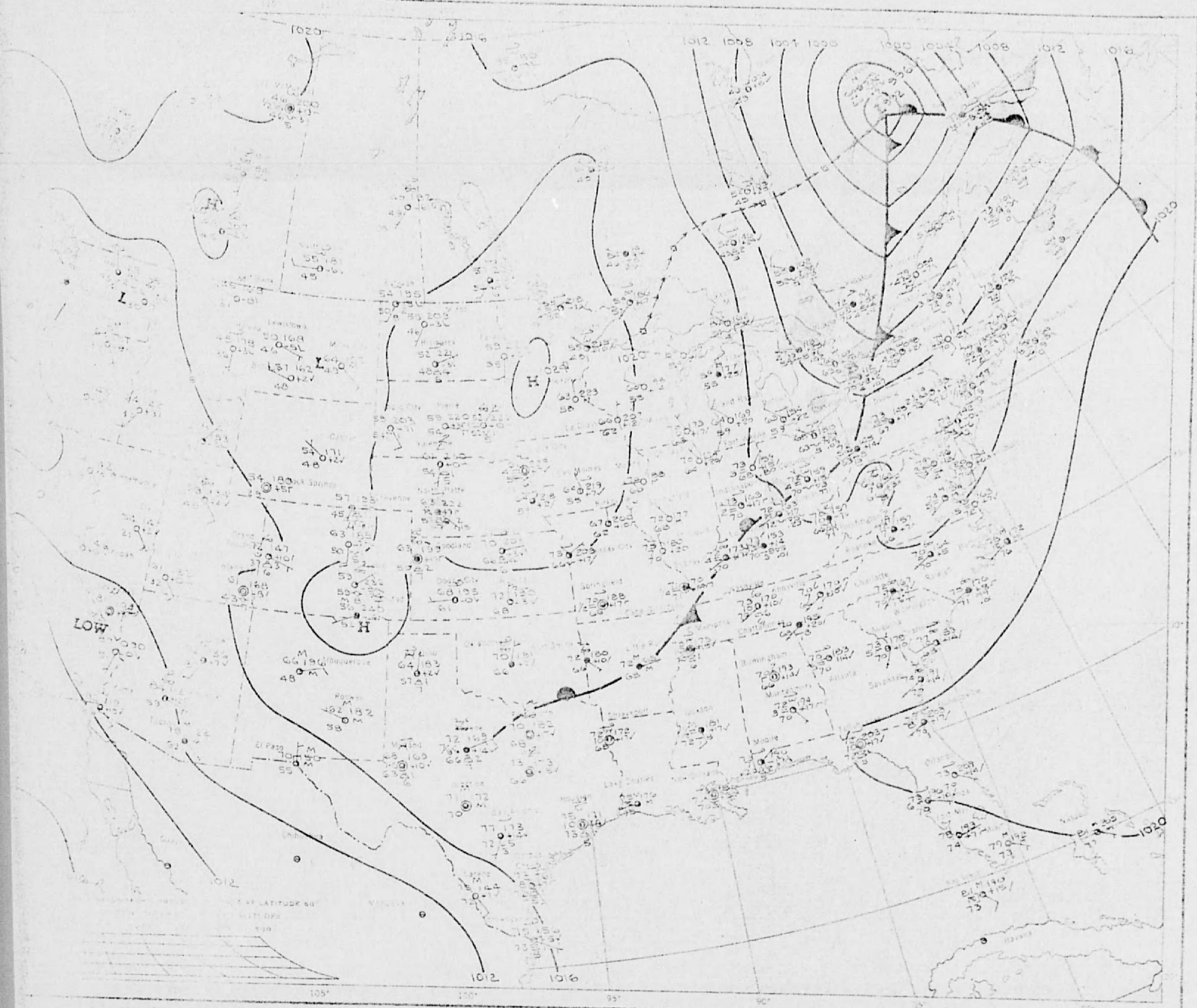
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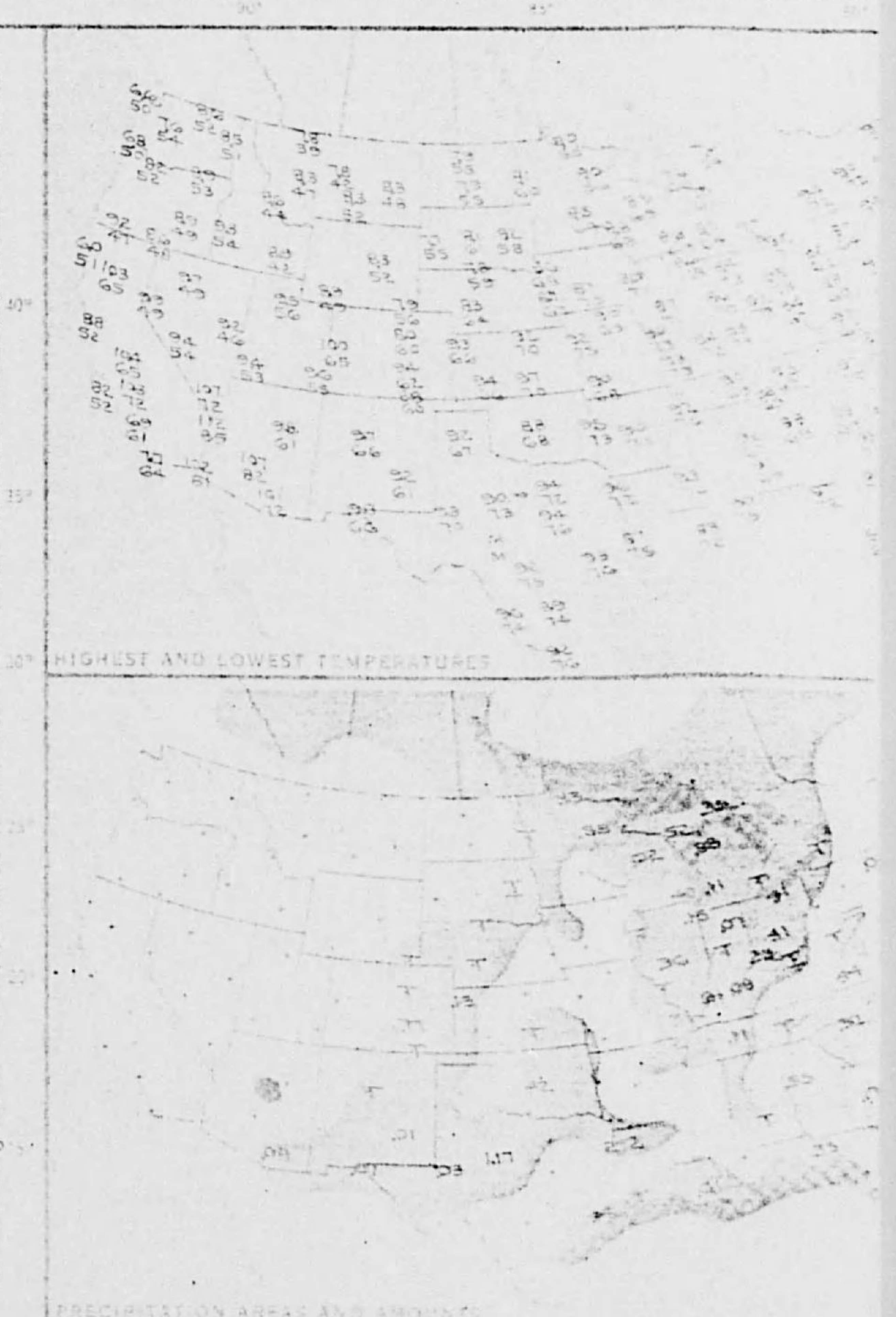
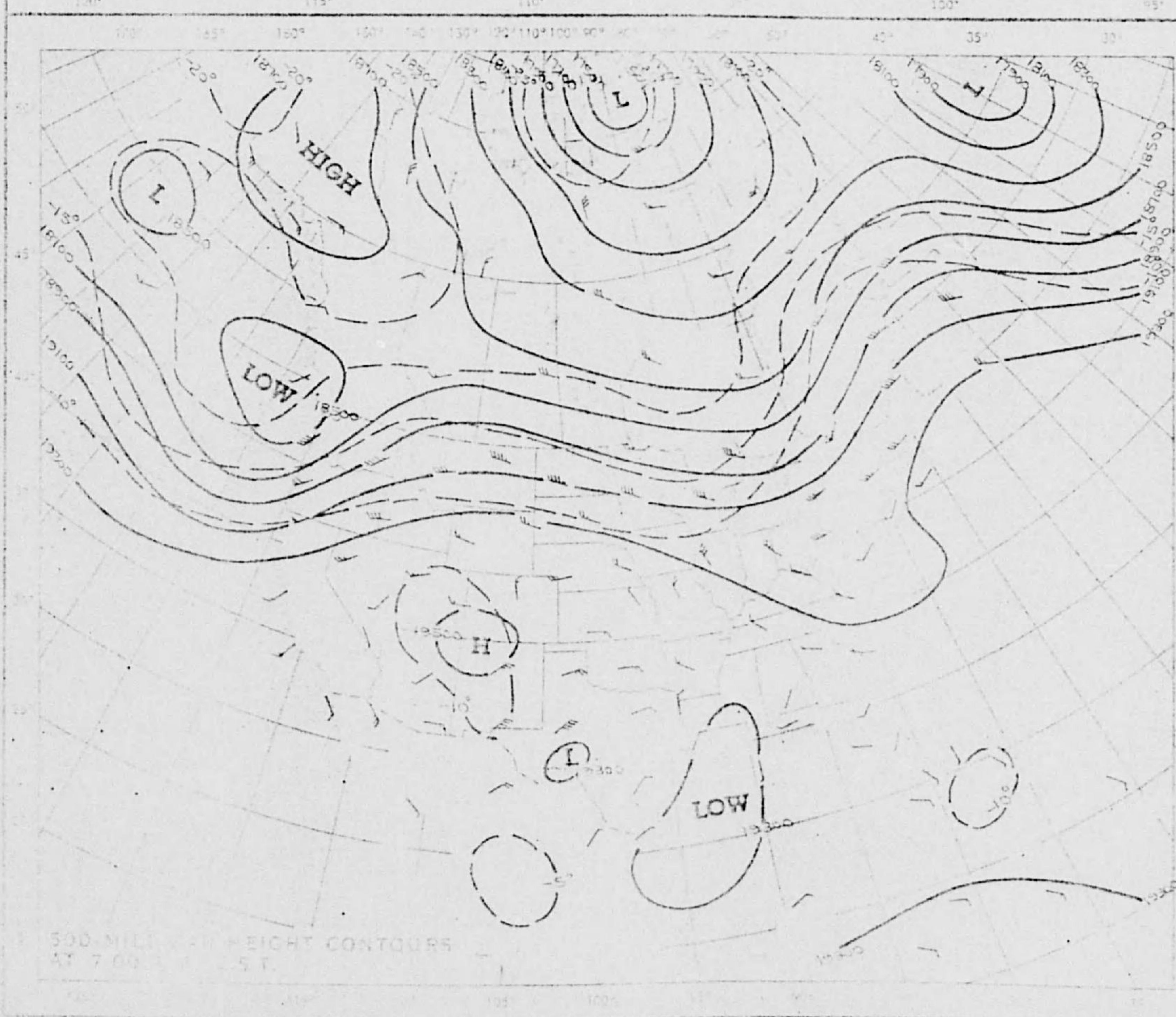
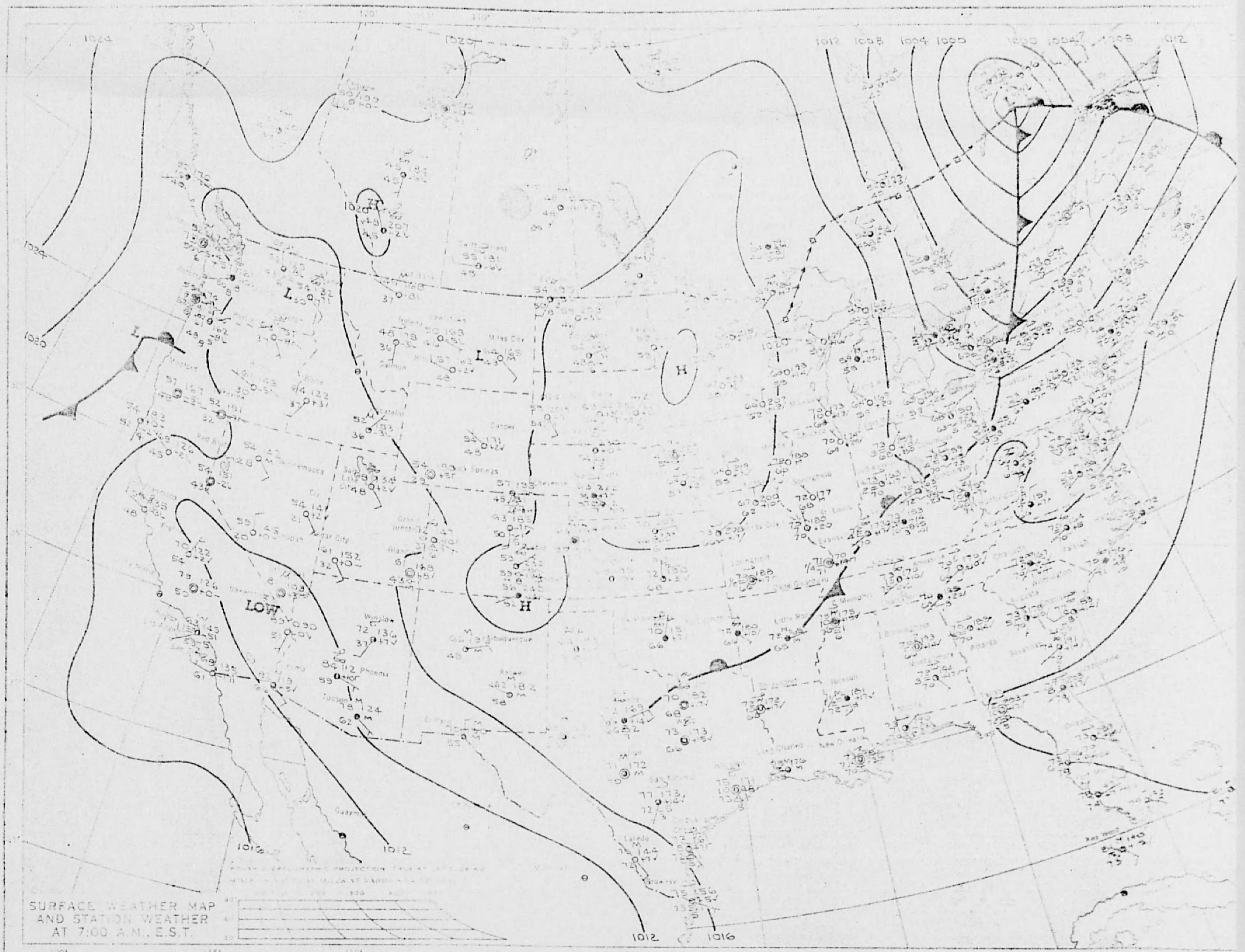


WEDNESDAY, JULY 17, 1968

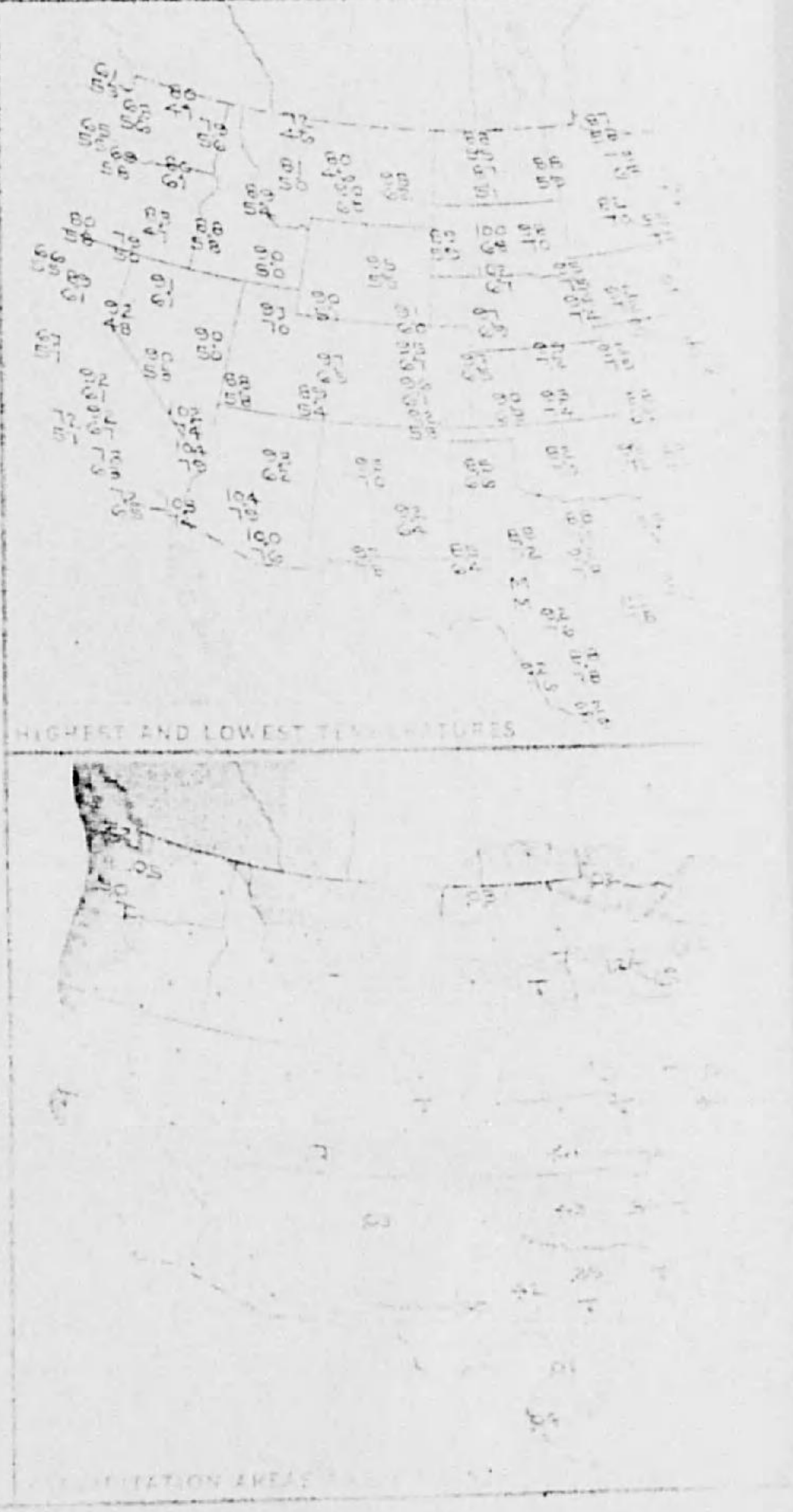
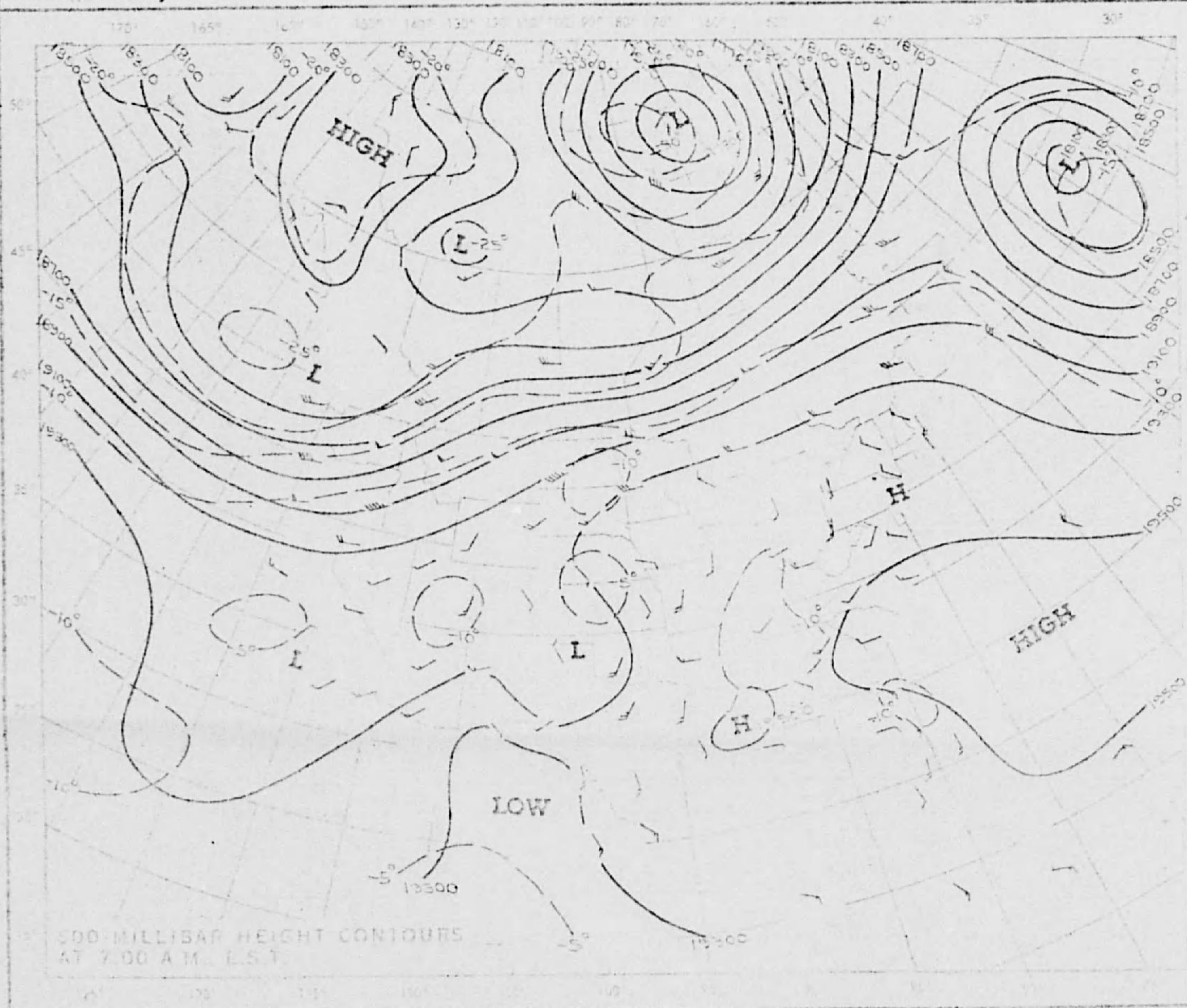
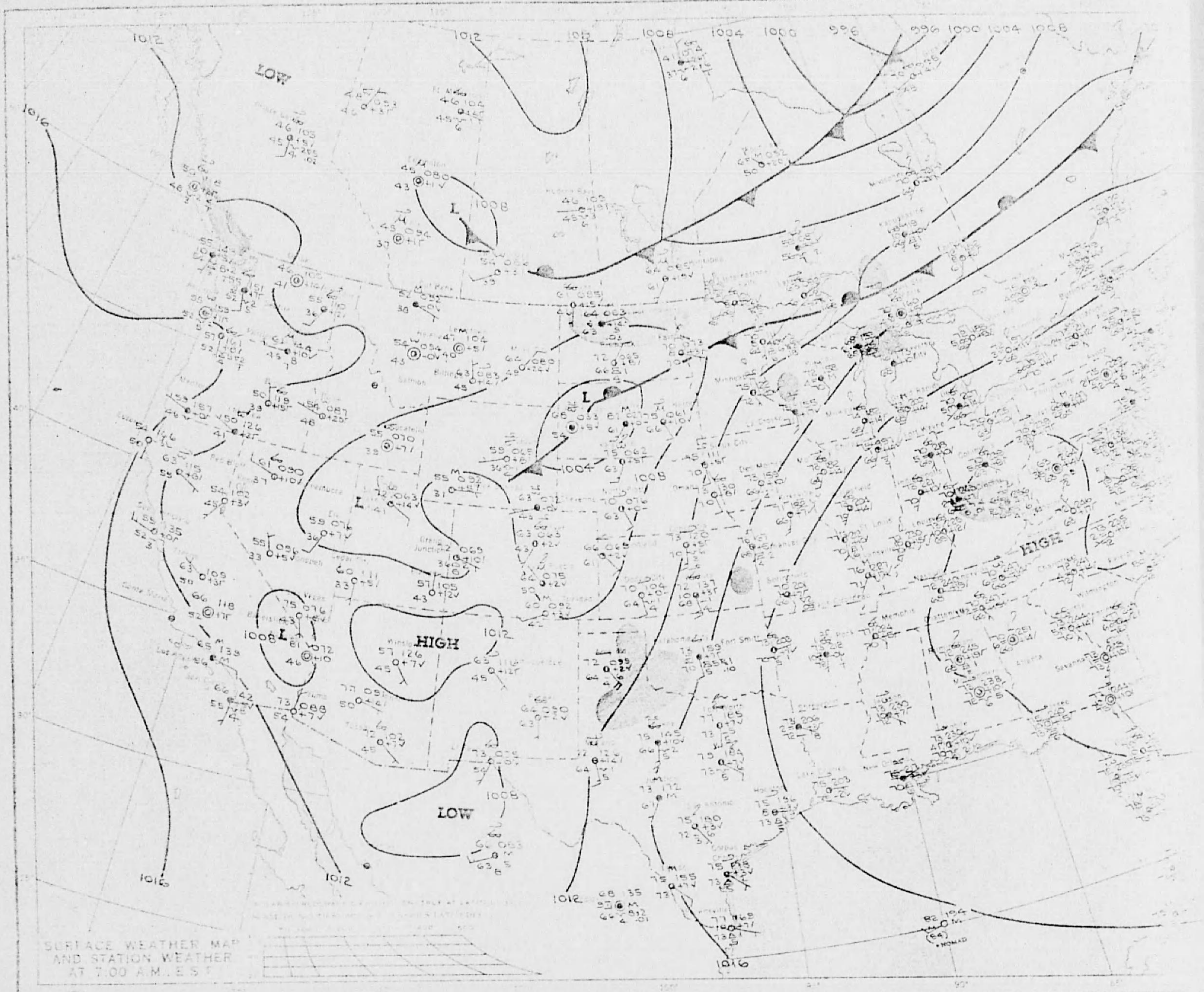




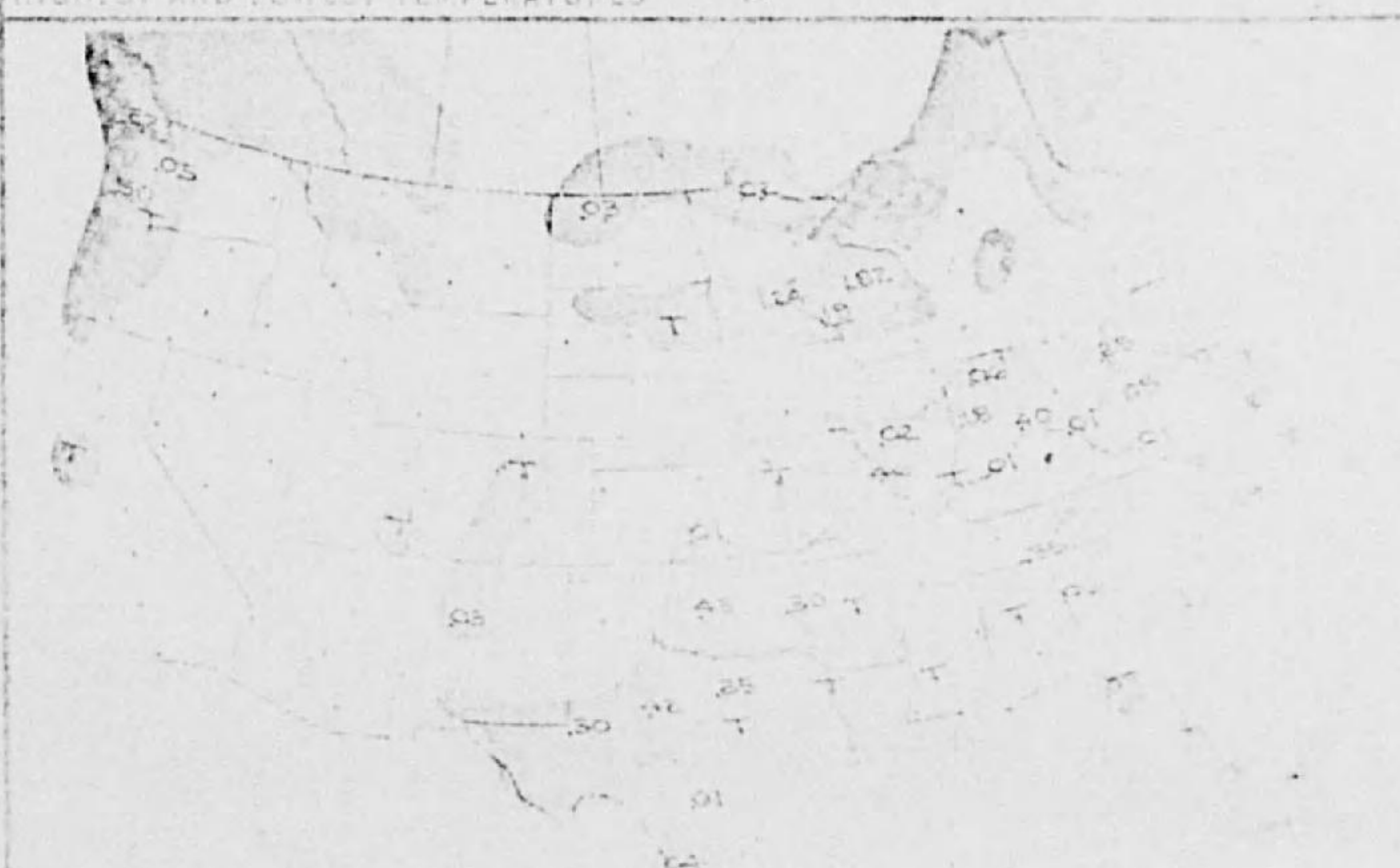
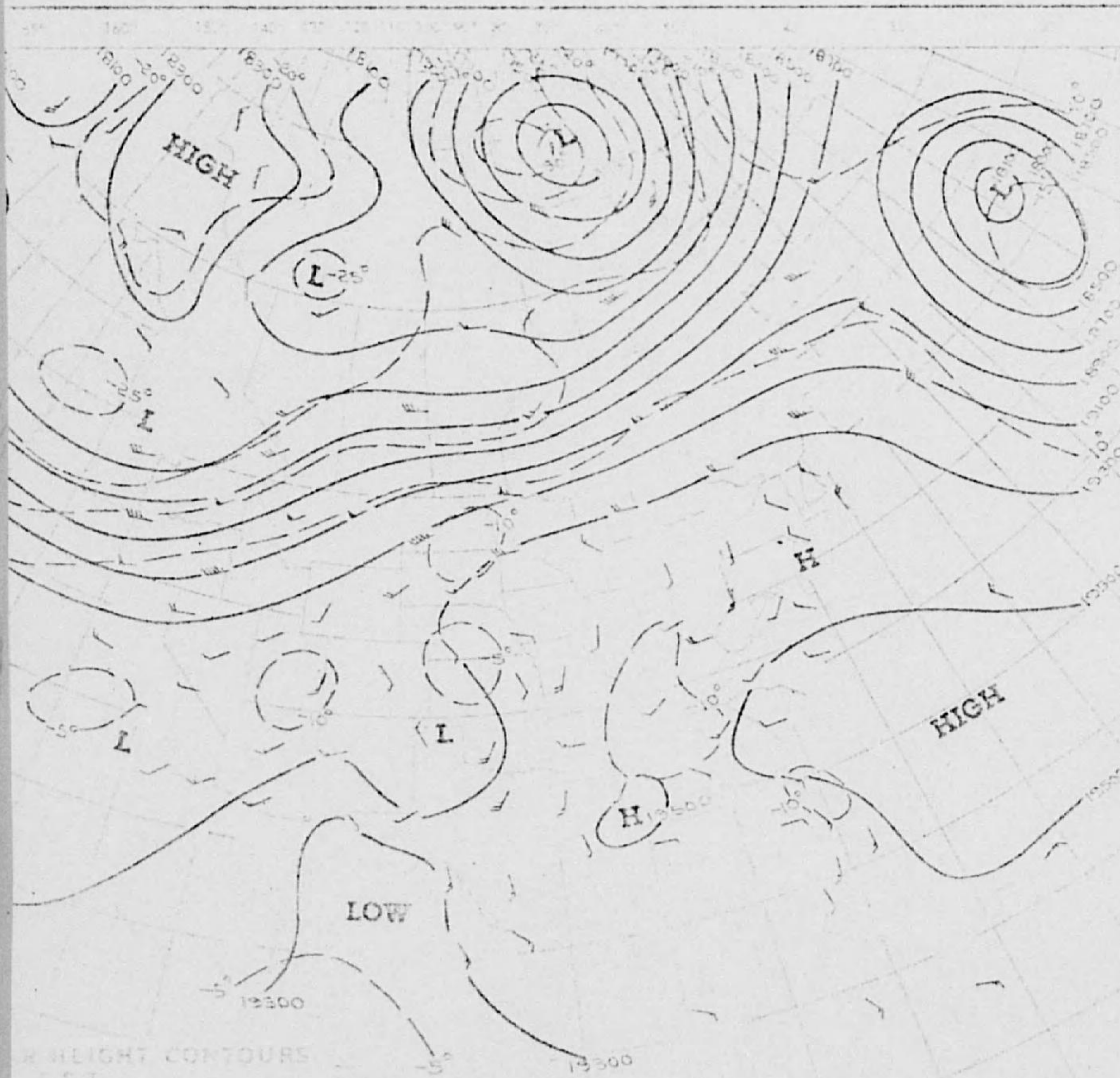
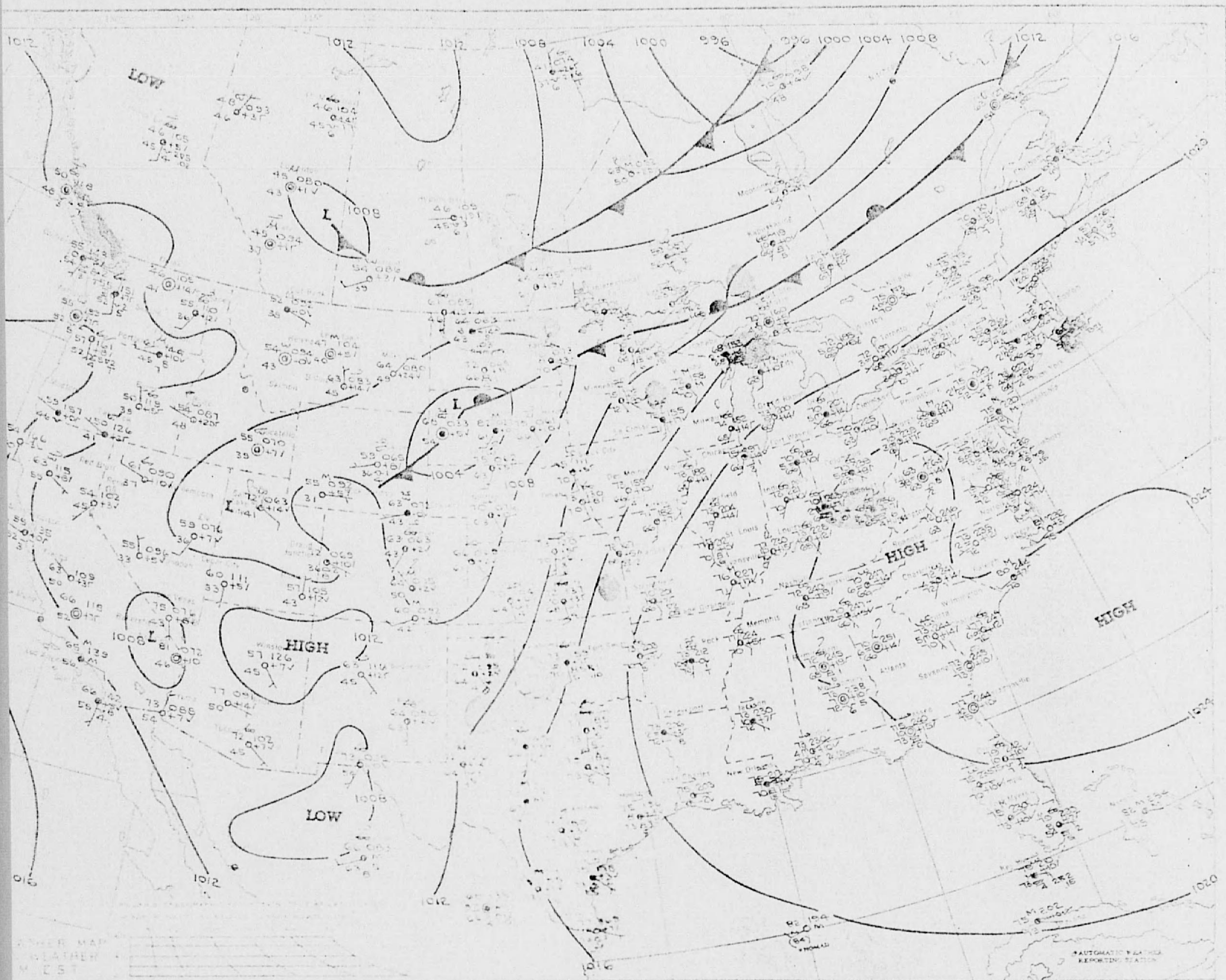
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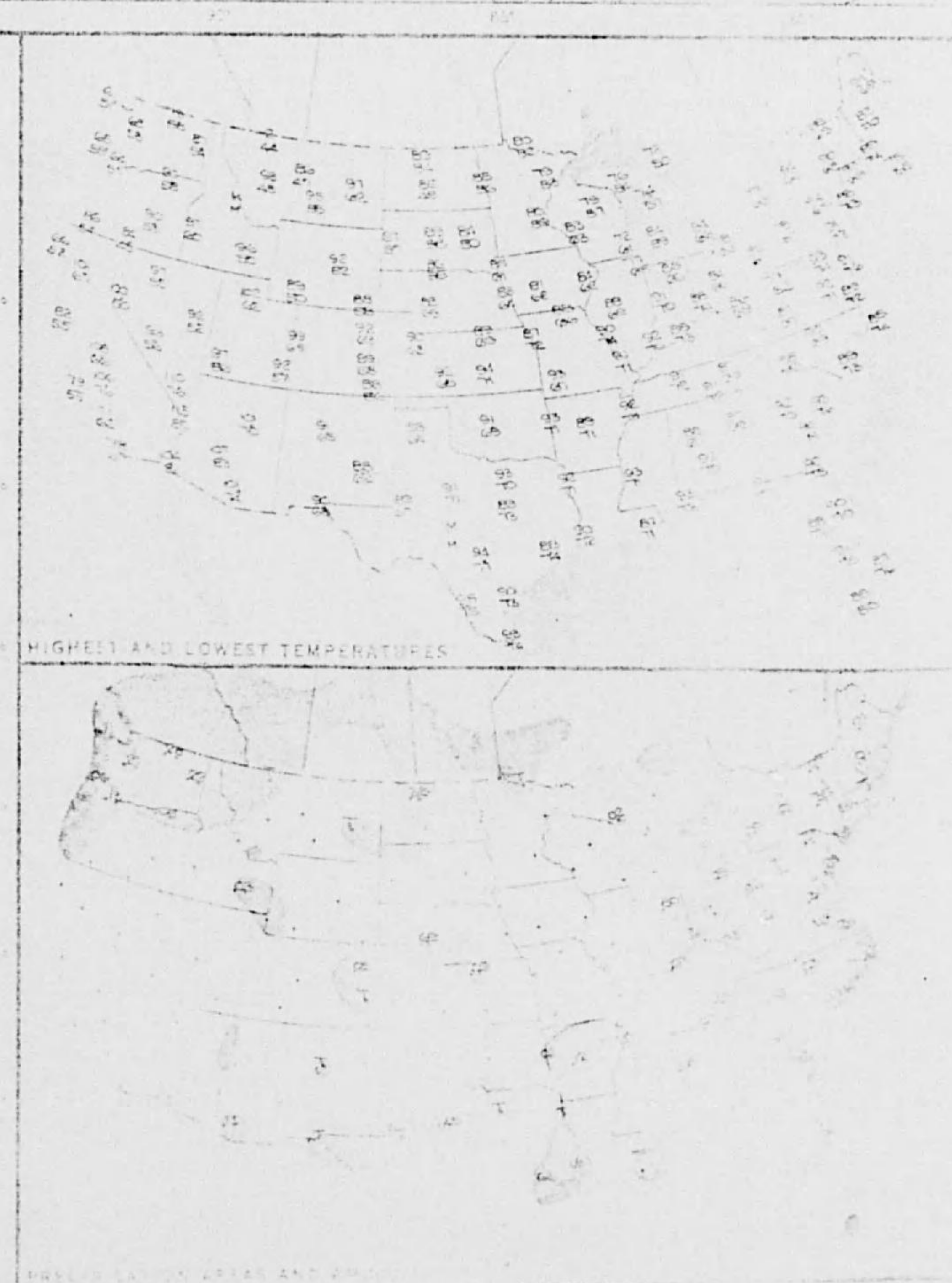
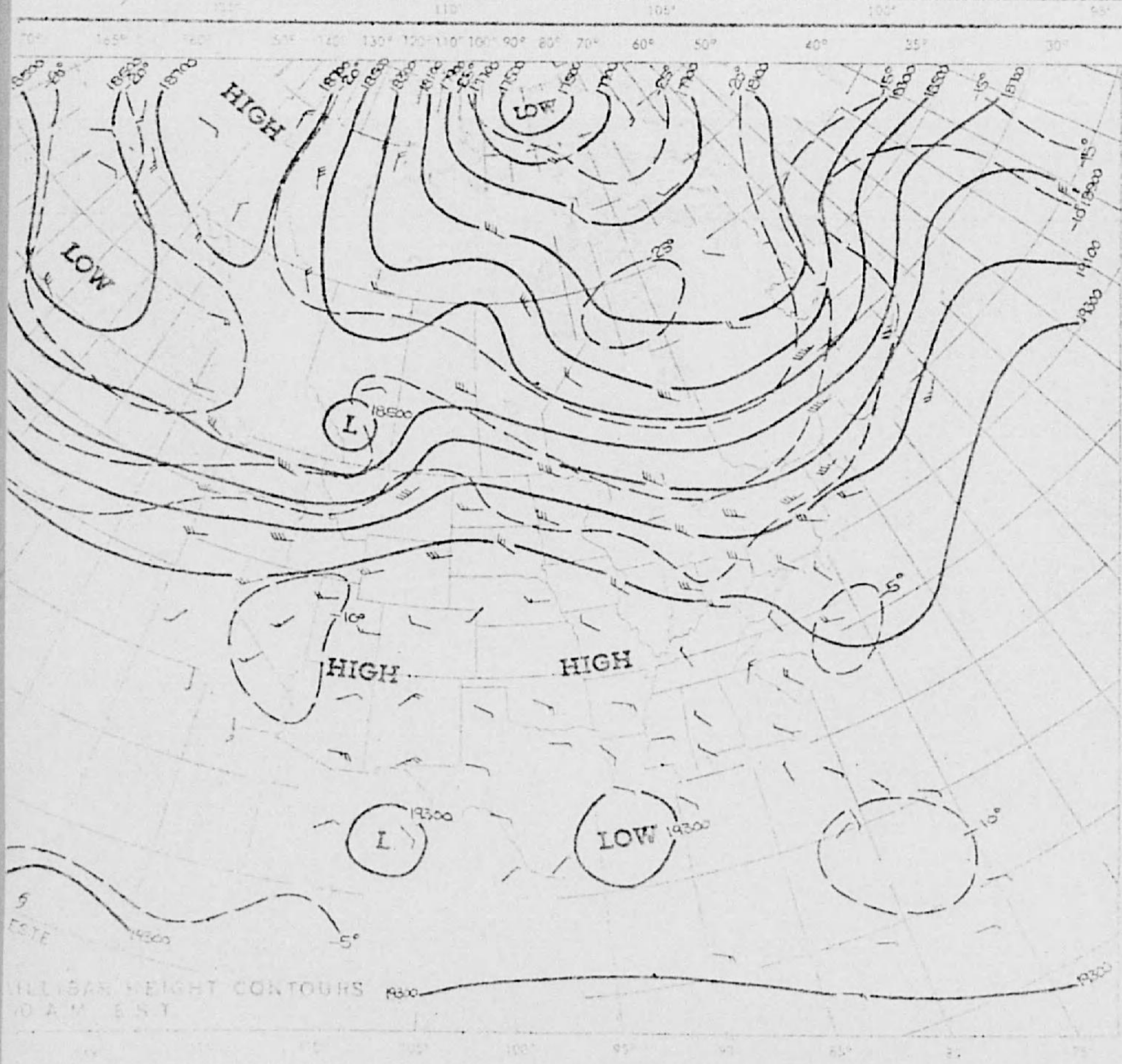
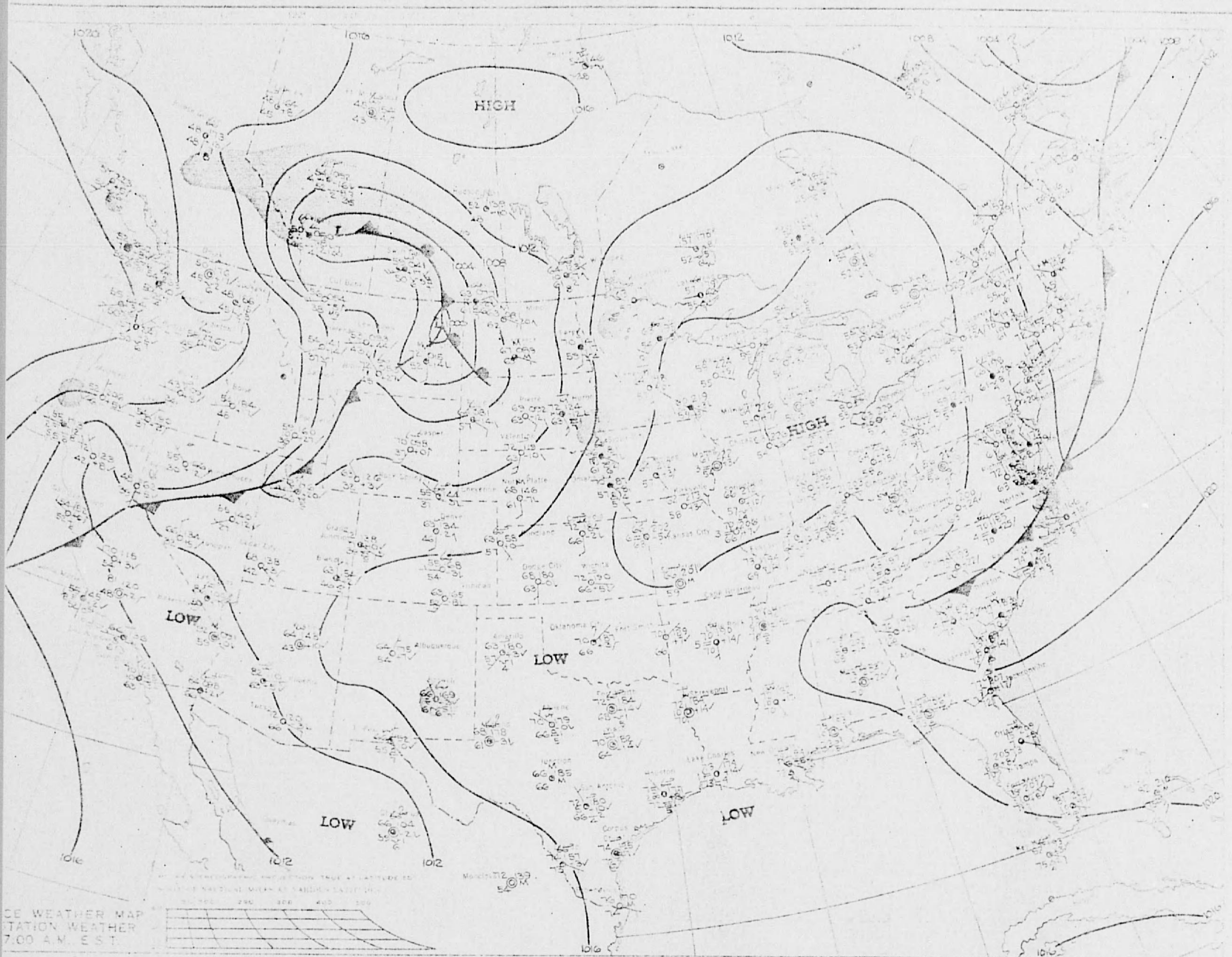


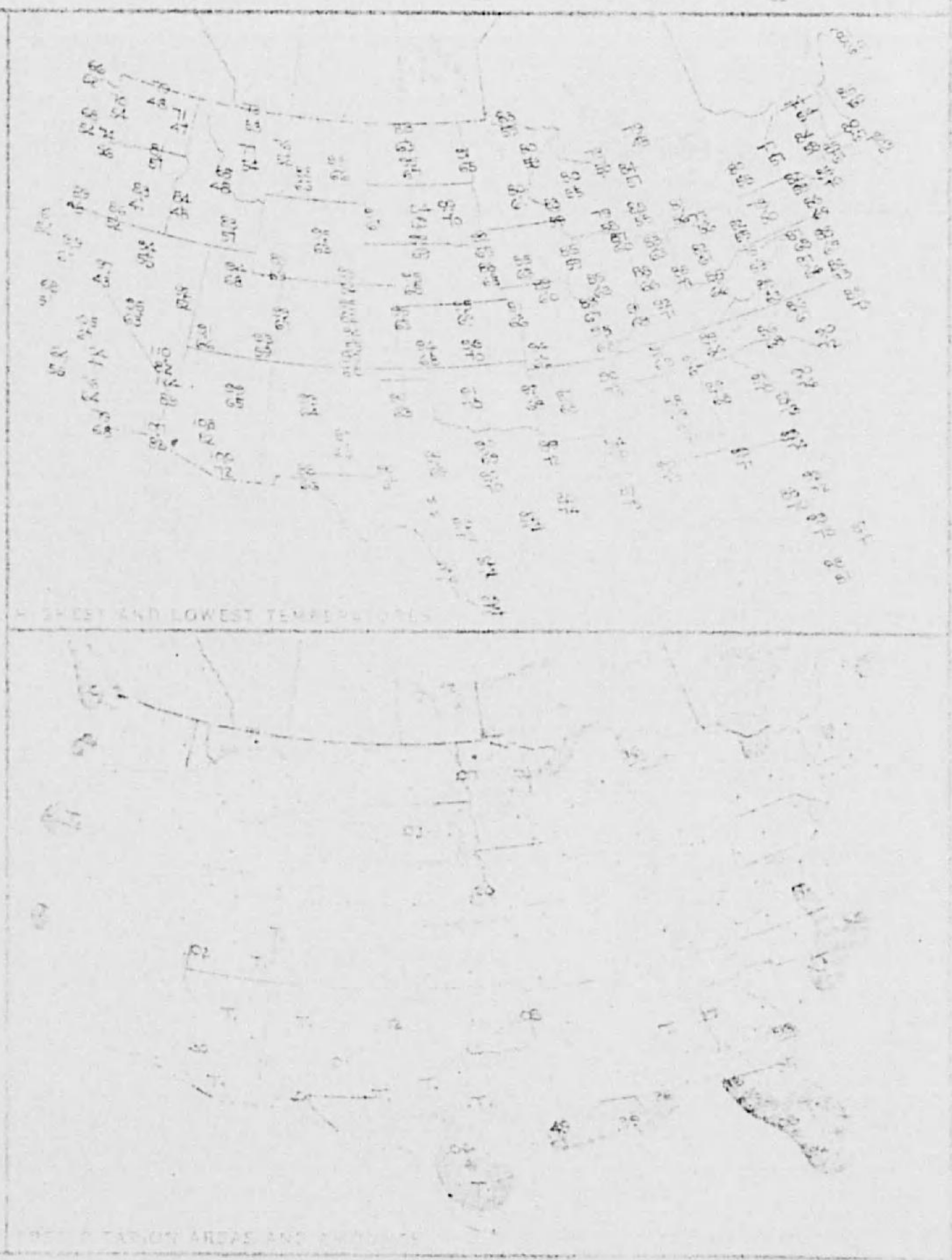
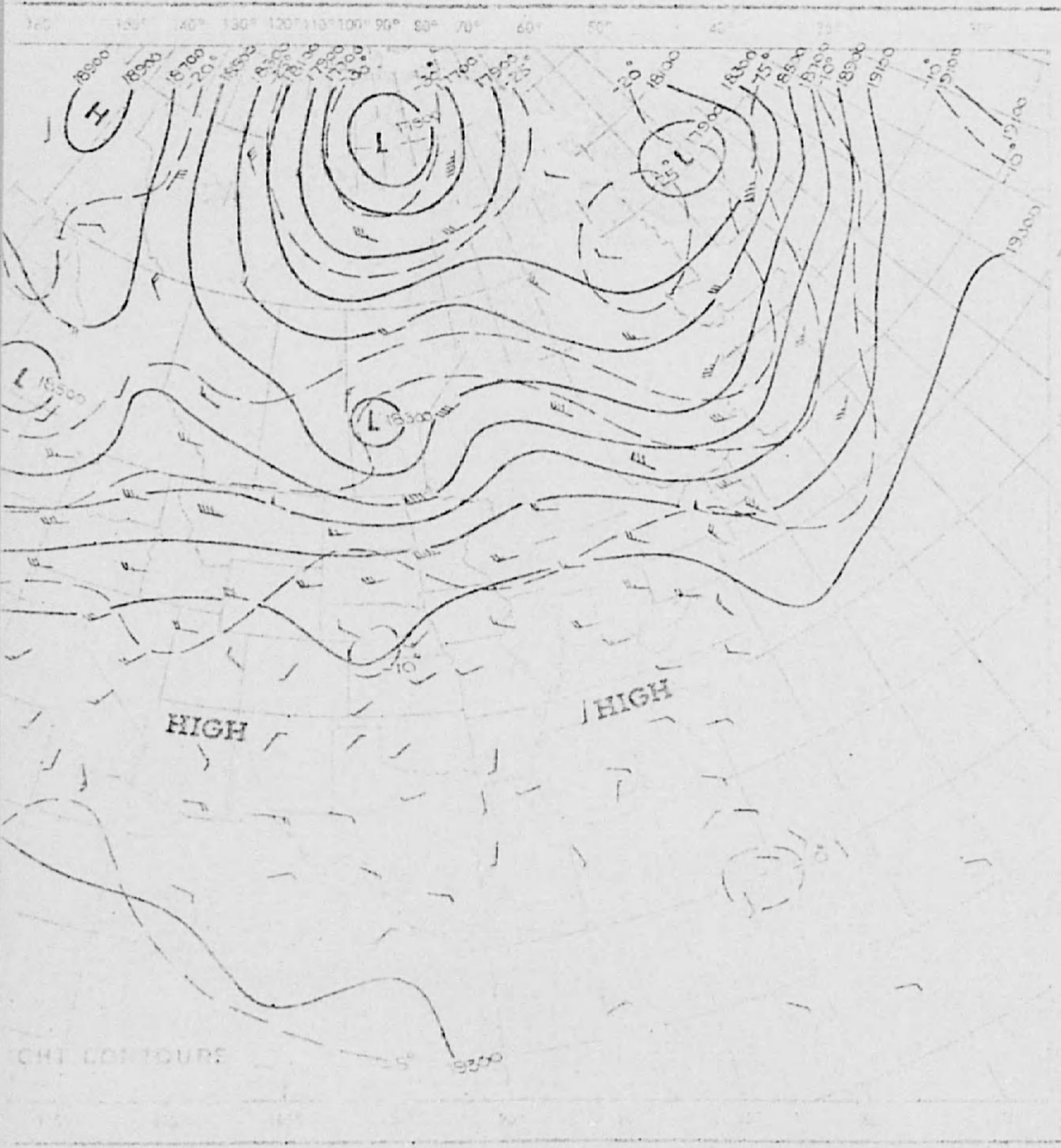
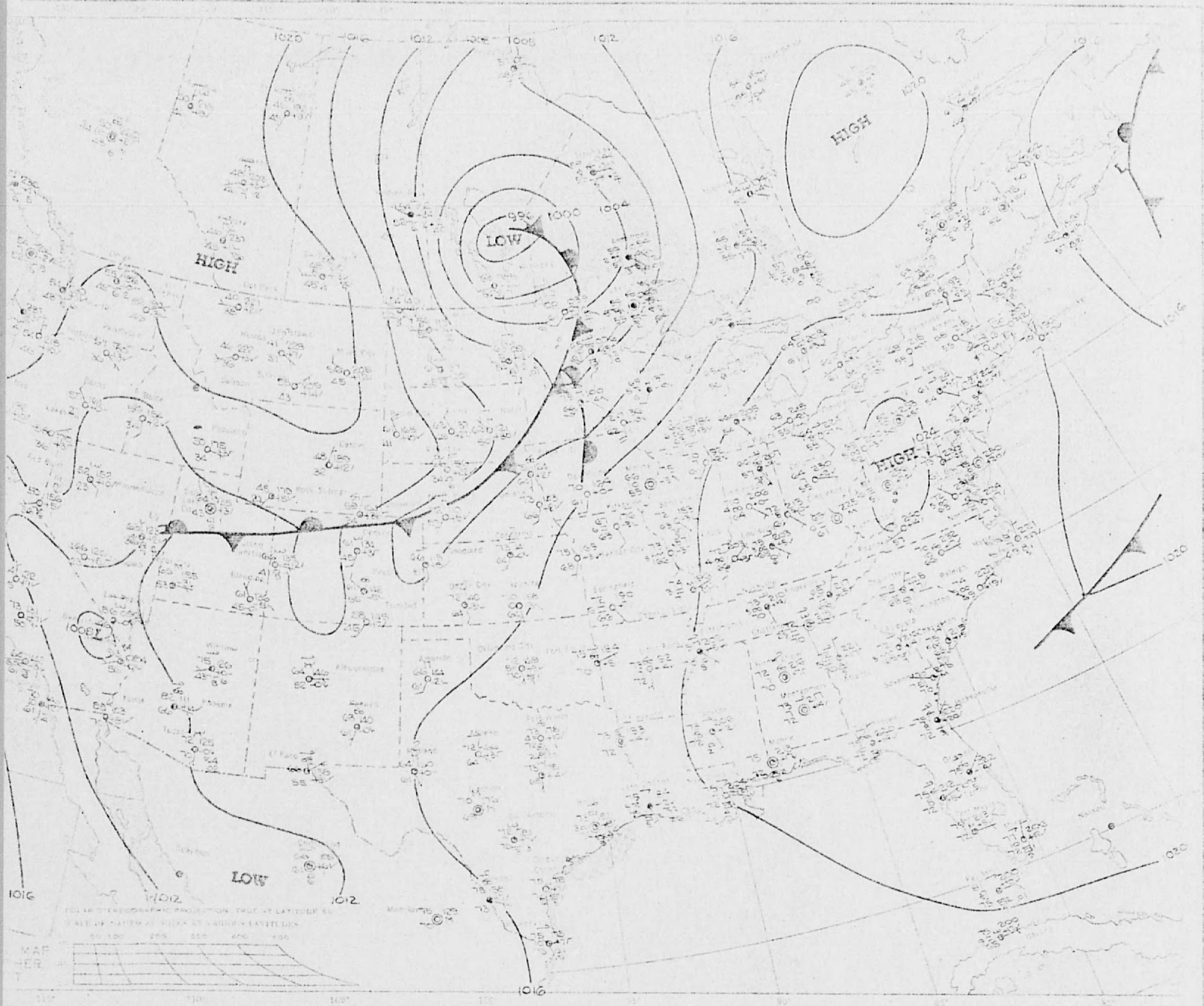
MONDAY, JULY 15, 1968



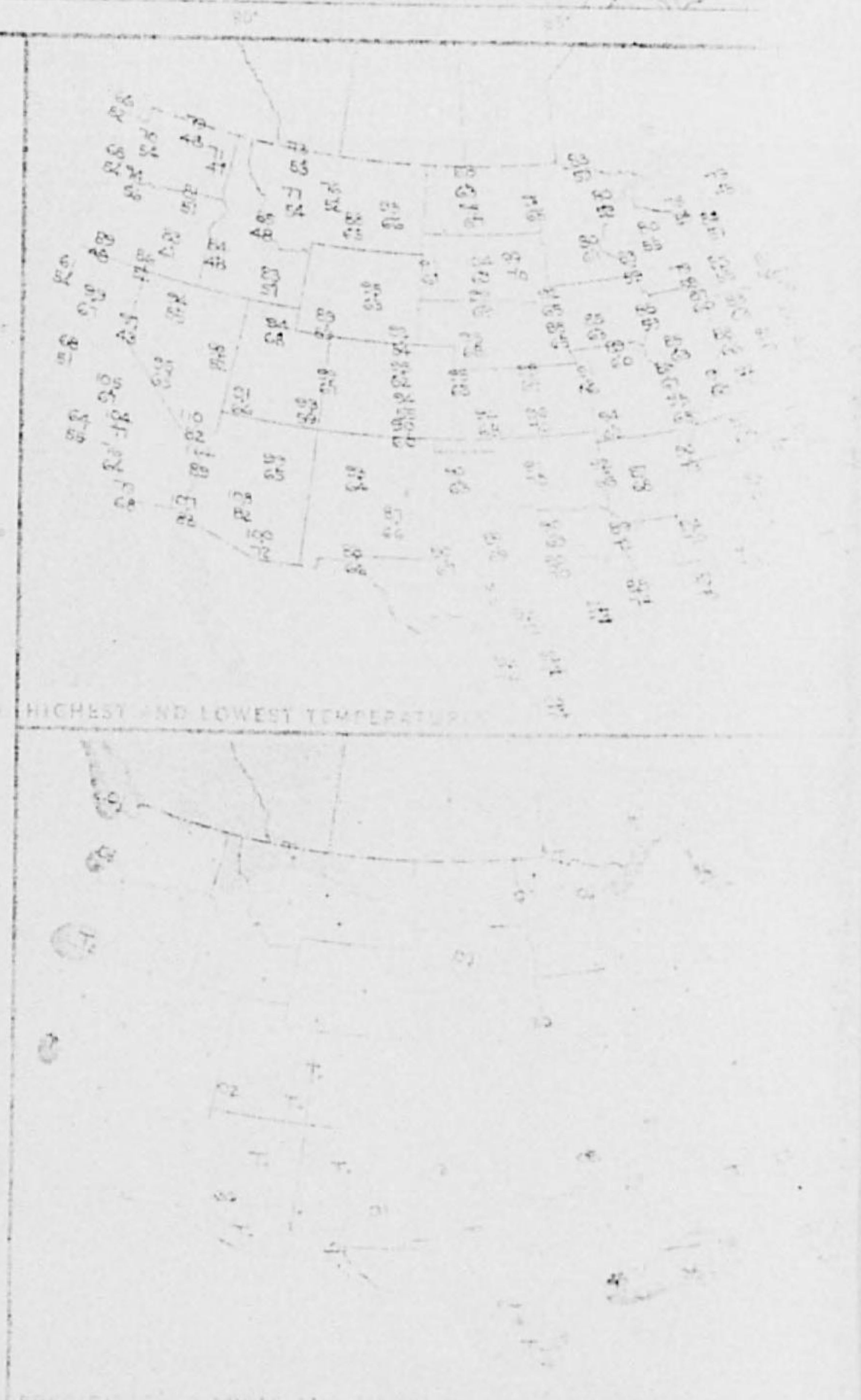
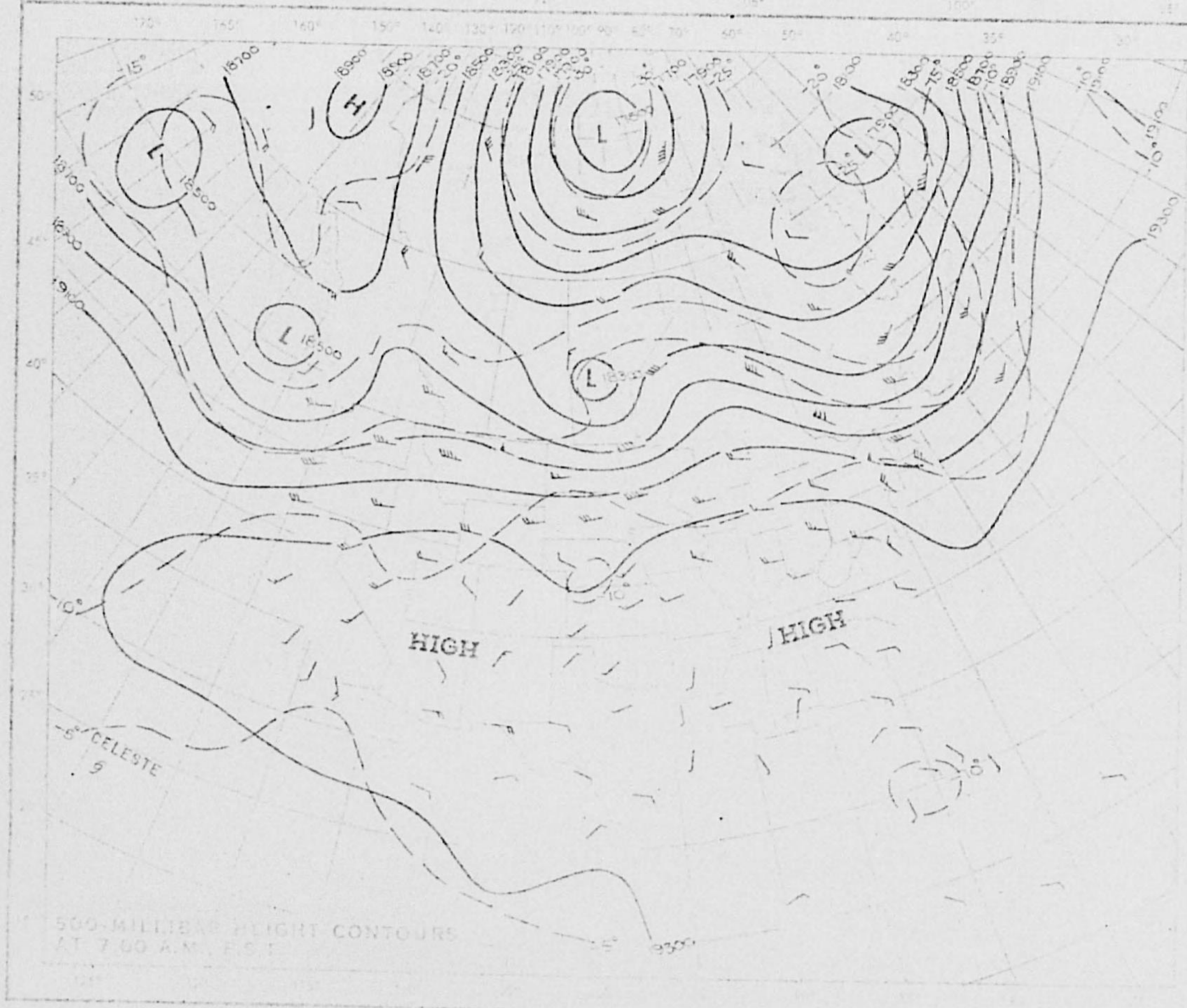
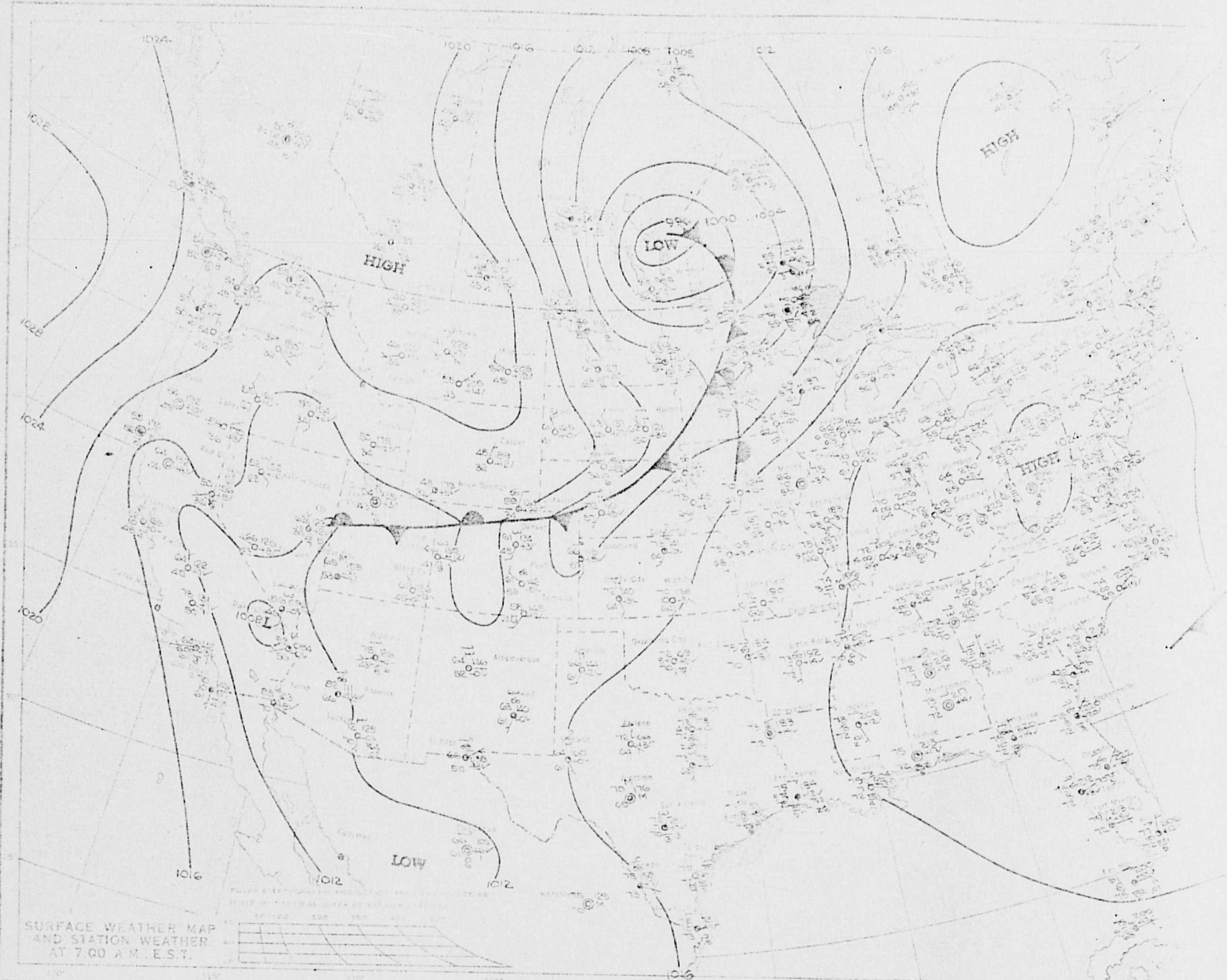
Y 15, 1968







SUNDAY, JULY 21, 1968



WEATHER MAPS

JULY 22-28, 1968



publication are a
the principal charts
reau publication,
They include the
the 500-Millibar
and Lowest Temper-
Daily Precipitation
ts for one day are
page of this pub-
pplied from oper-
prepared by the
Center, Weather
ols used on the
ap and the 500-
be same as those
ily Weather Map.
is available, and
obtained without
Environmental
nistration, Publi-
143, Rockville,
copies may also
of \$2.30 per 50
be made payable
nt of Documents.

The Surface Weather Map presents station data and the analysis for 7:00 a.m./e.s.t. The tracks of well-defined low pressure areas are indicated by chains of arrows; the locations of these centers at times 6, 12, and 18 hours preceding map time are indicated by small black squares enclosing white crosses. Areas of precipitation are indicated by shading. The weather reports that are printed here are only a fraction of those that are included in the operational weather maps, and on which the analyses are based. Occasional apparent discrepancies between the printed station data and the analyses result from those station reports that cannot be included in the published maps because of lack of space.

The 500-Millibar Chart presents the height contours and isotherms of the 500-millibar surface at 7:00 a.m./e.s.t. The height contours are shown as continuous lines, and are labeled in feet above sea level. The isotherms are

shown as dashed lines, and are labeled in degrees Celsius. The arrows show the wind direction and speed at the 500-millibar level.

The Highest and Lowest Temperatures Chart presents the maximum and minimum values for the 24-hour period ending at 1:00 a.m./e.s.t. The names of the reporting points can be obtained from the Surface Weather Map. The maximum temperature is plotted above the station location, and the minimum temperature is plotted below this point.

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Cloud type, time
of observation
Station name
at sea level, 1000 ft
or 100 ft
100 ft
Amount of precipitation
in inches
Amount of snow
in inches
Amount of rain
in inches
Amount of sleet
in inches
Amount of hail
in inches
Amount of ice
in inches
Amount of snow
on the ground
in inches
Amount of rain
on the ground
in inches
Amount of sleet
on the ground
in inches
Amount of hail
on the ground
in inches
Amount of ice
on the ground
in inches

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
Environmental Data Service
SILVER SPRING, MD. 20910

IMMEDIATE - U.S. Weather Report
FIRST CLASS MAIL

TDPTRE/UFO

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS FOREIGN TECHNOLOGY DIV
AFSC
WRIGHT-PATTERSON AIR FORCE BASE
OHIO 45433 M

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DAILY WEATHER MAPS

JULY 22-28, 1968

WEEKLY SERIES



The charts in this publication are a continuation of the principal charts of the Weather Bureau publication, Daily Weather Map. They include the Surface Weather Map, the 500-Millibar Chart, the Highest and Lowest Temperatures Chart, and the Daily Precipitation Chart. All of the charts for one day are arranged on a single page of this publication. They are copied from operational weather maps prepared by the National Meteorological Center, Weather Bureau. The symbols used on the Surface Weather Map and the 500-Millibar Chart are the same as those used previously in Daily Weather Map. An explanatory sheet is available, and single copies may be obtained without charge by writing to: Environmental Science Services Administration, Publications Section, AD 143, Rockville, Maryland 20852. Bulk copies may also be ordered, at a cost of \$2.30 per 50 copies. Checks should be made payable to the Superintendent of Documents.

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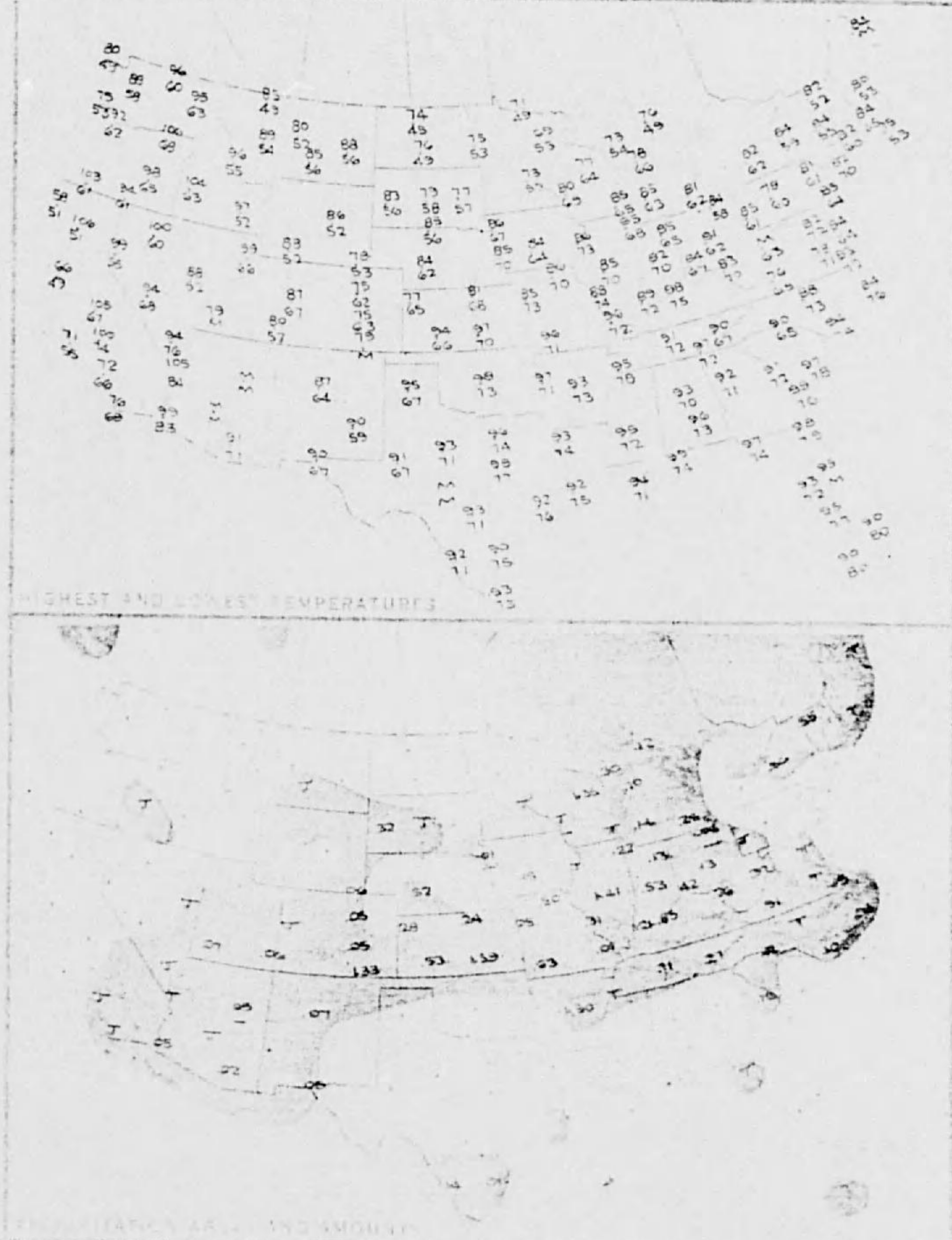
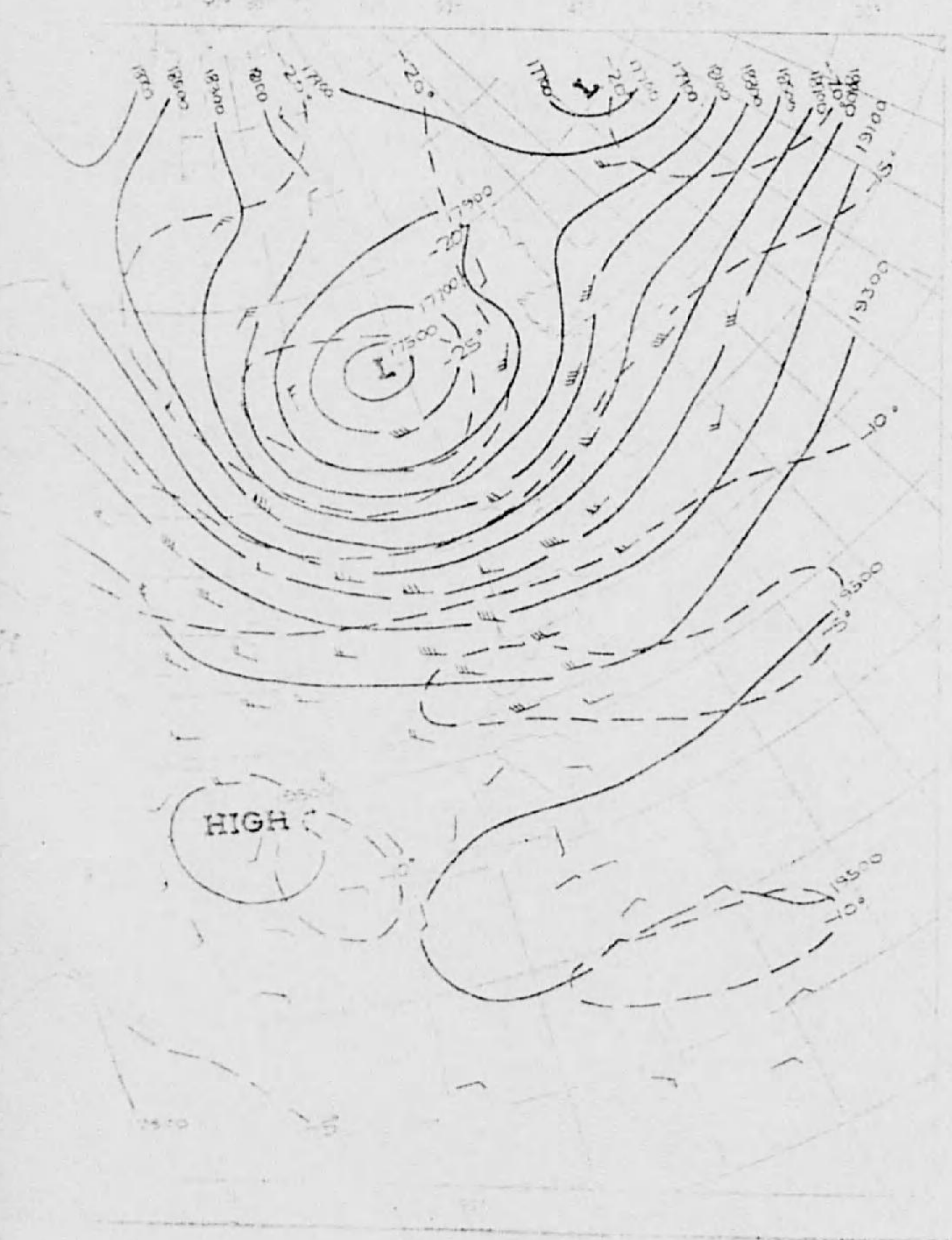
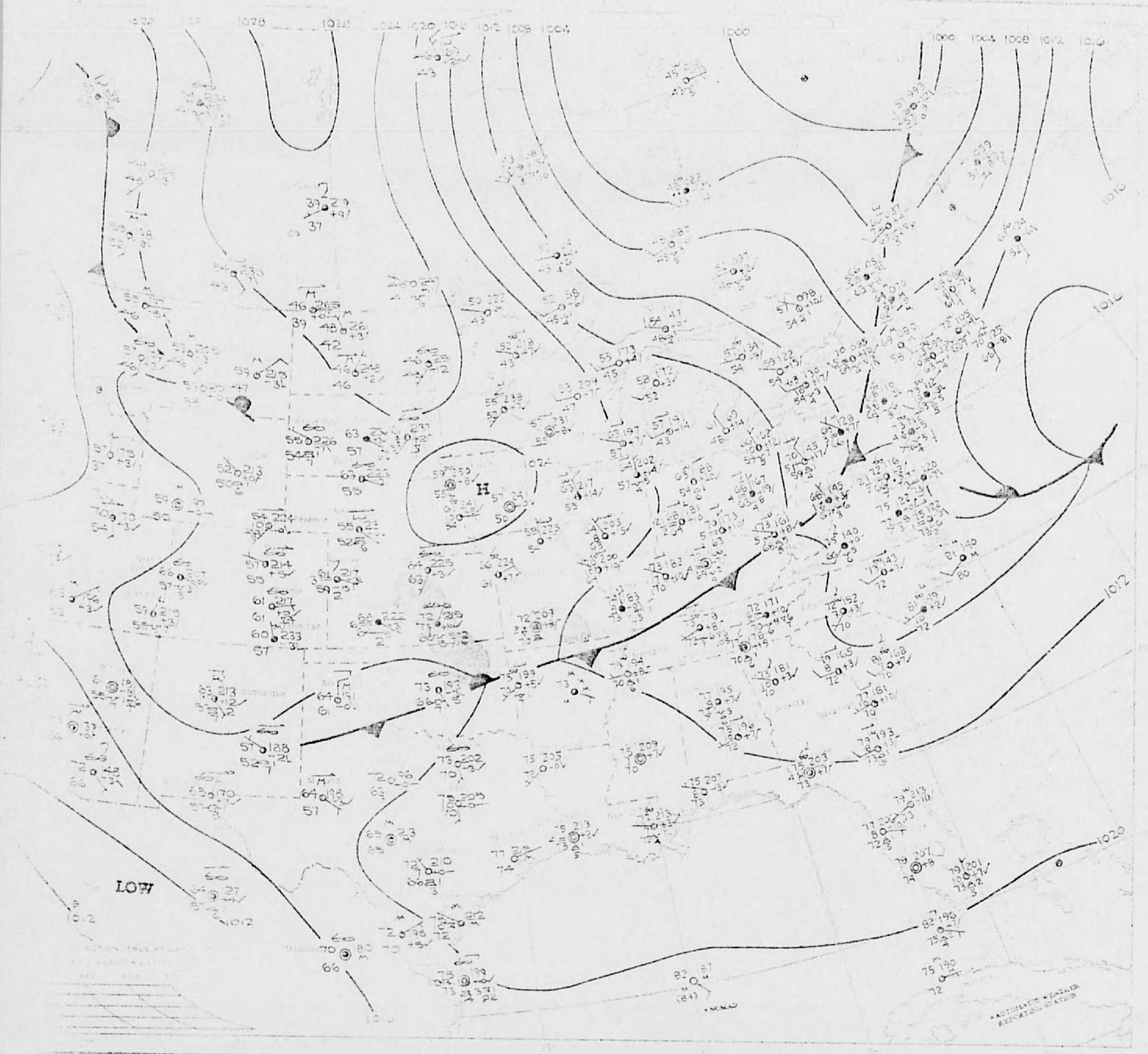
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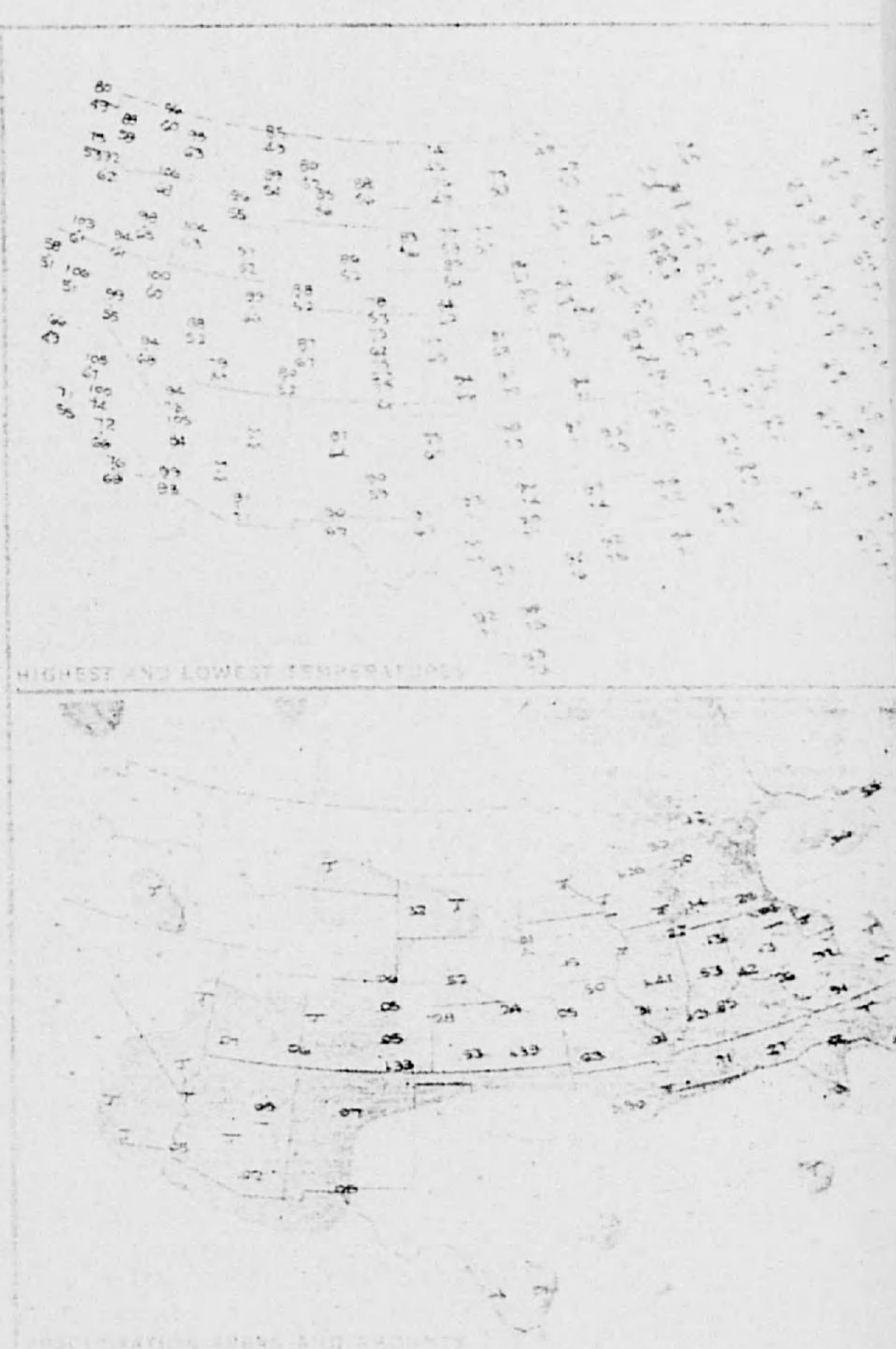
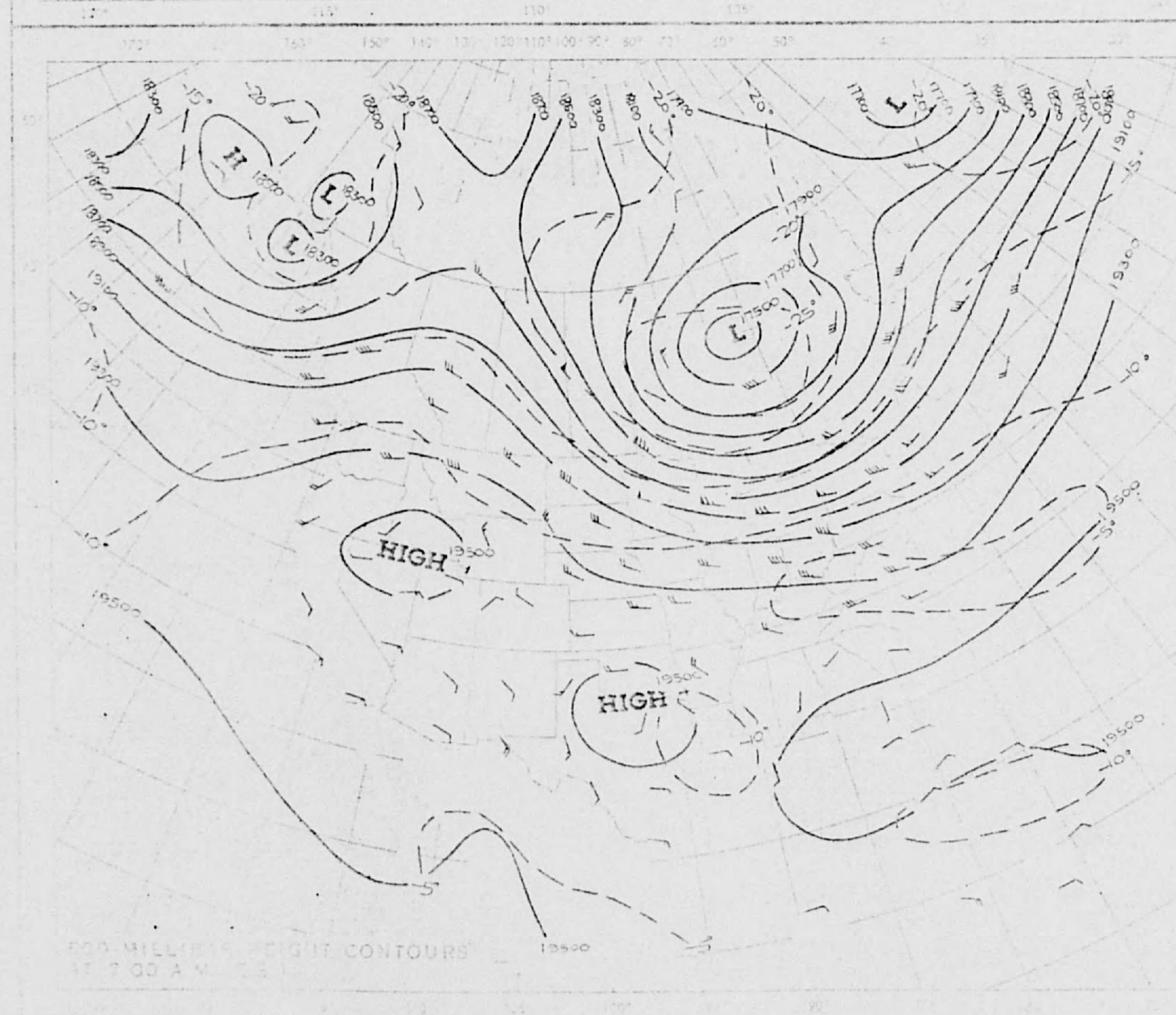
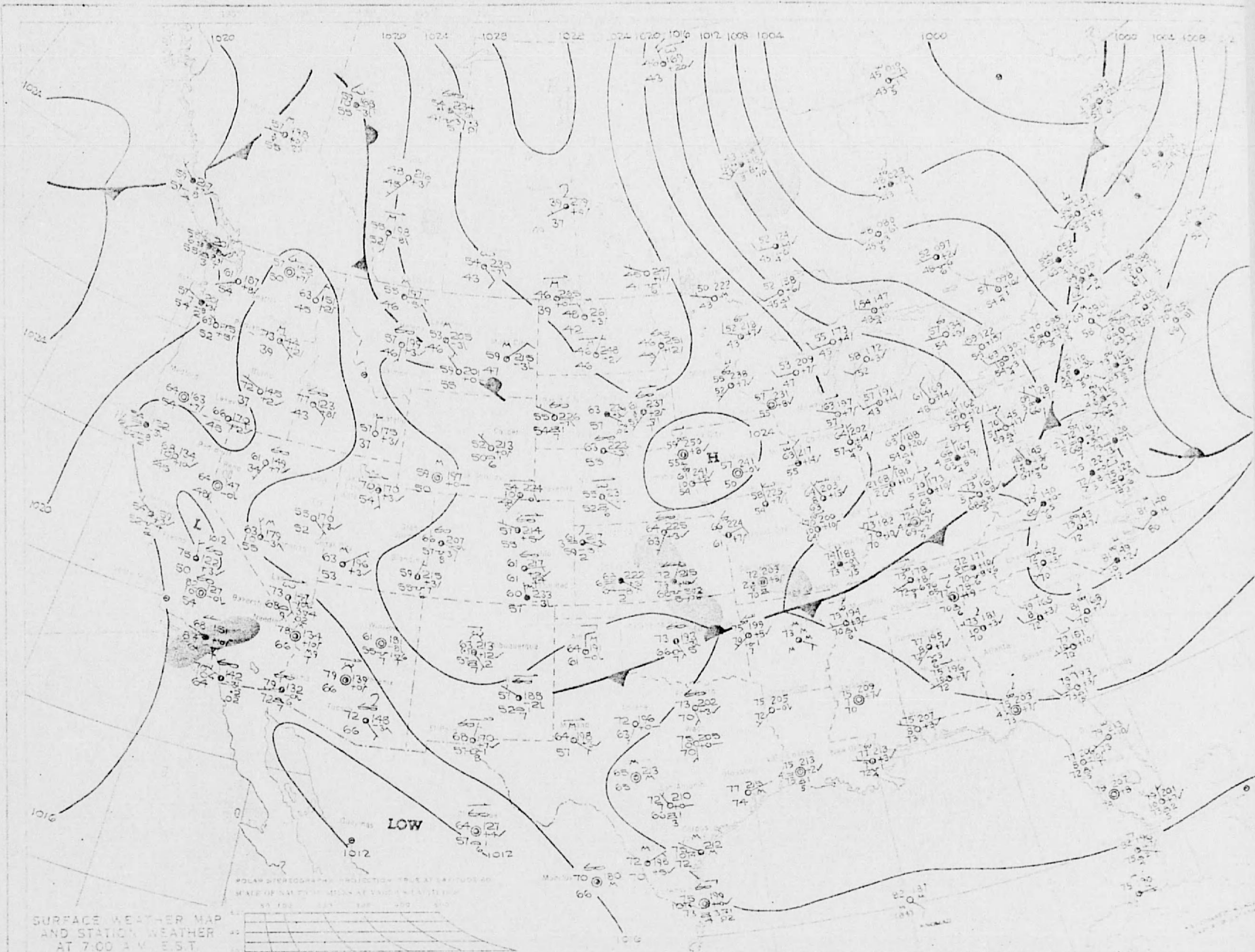
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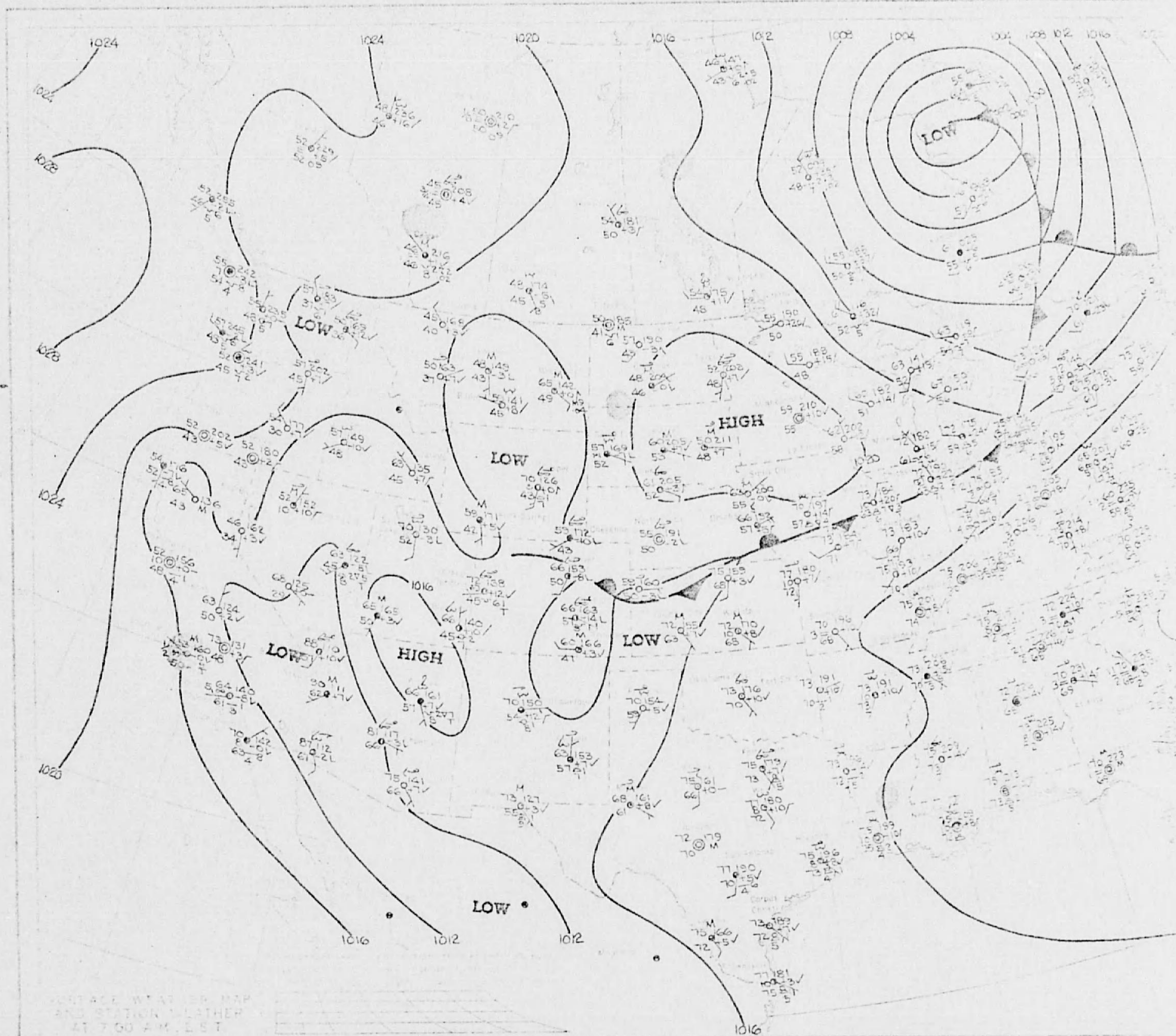
SPECIMEN STATION MODEL		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION Environmental Data Service SILVER SPRING, MD. 20910		Postage and U.S. DEPARTMENT OF COMMERCE
Wind speed, (21 to 25 miles per hour)	Cloud type (High cirrus)	Cloud type (High cirrus)	Barometric pressure at sea level (rounded to 0.1 millibars)	IMMEDIATE - U.S. Weather Report FIRST CLASS MAIL <i>TDPTC/4F0</i> DEPARTMENT OF THE AIR FORCE HEADQUARTERS FOREIGN TECHNOLOGY D AFSC WRIGHT-PATTERSON AIR FORCE BASE OHIO 45433 M
Direction of wind from the northwest	Amount of barometric change in past 3 hours (Rising)	Amount of barometric change in past 3 hours (Rising)	Barometric tendency in past 3 hours (Rising)	
Temperature in degrees Fahrenheit	Sign showing whether pressure is higher or lower than 3 hours ago	Sign showing whether pressure is higher or lower than 3 hours ago	Time precipitation began or ended (Begin 3 to 4 hours ago)	
Total amount of clouds (Sky completely covered)	Weather in past 6 hours (Rain)	Weather in past 6 hours (Rain)	Amount of precipitation in last 6 hours	
Visibility (Miles)	Part of sky covered by lowest cloud (Seven or eight tenths)	Part of sky covered by lowest cloud (Seven or eight tenths)		
Present weather (Continuous storm with heavy rain)				
Barometric pressure at sea level (rounded to 0.1 millibars)				
Clouds (Total of all clouds)				
Amount of snow on the ground (21 to 25 inches)				



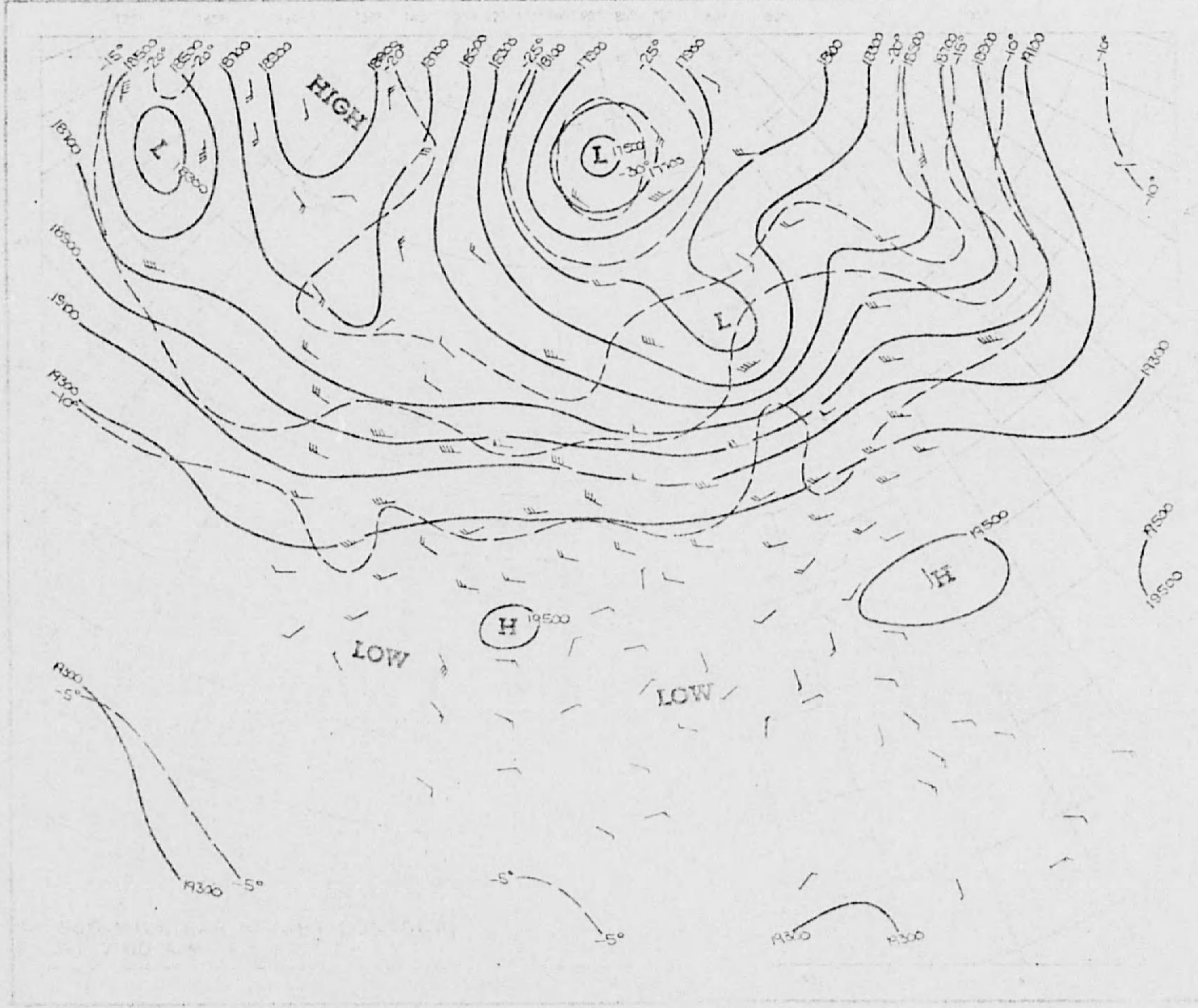
SUNDAY, JULY 28, 1968



MONDAY, JULY 22, 1968

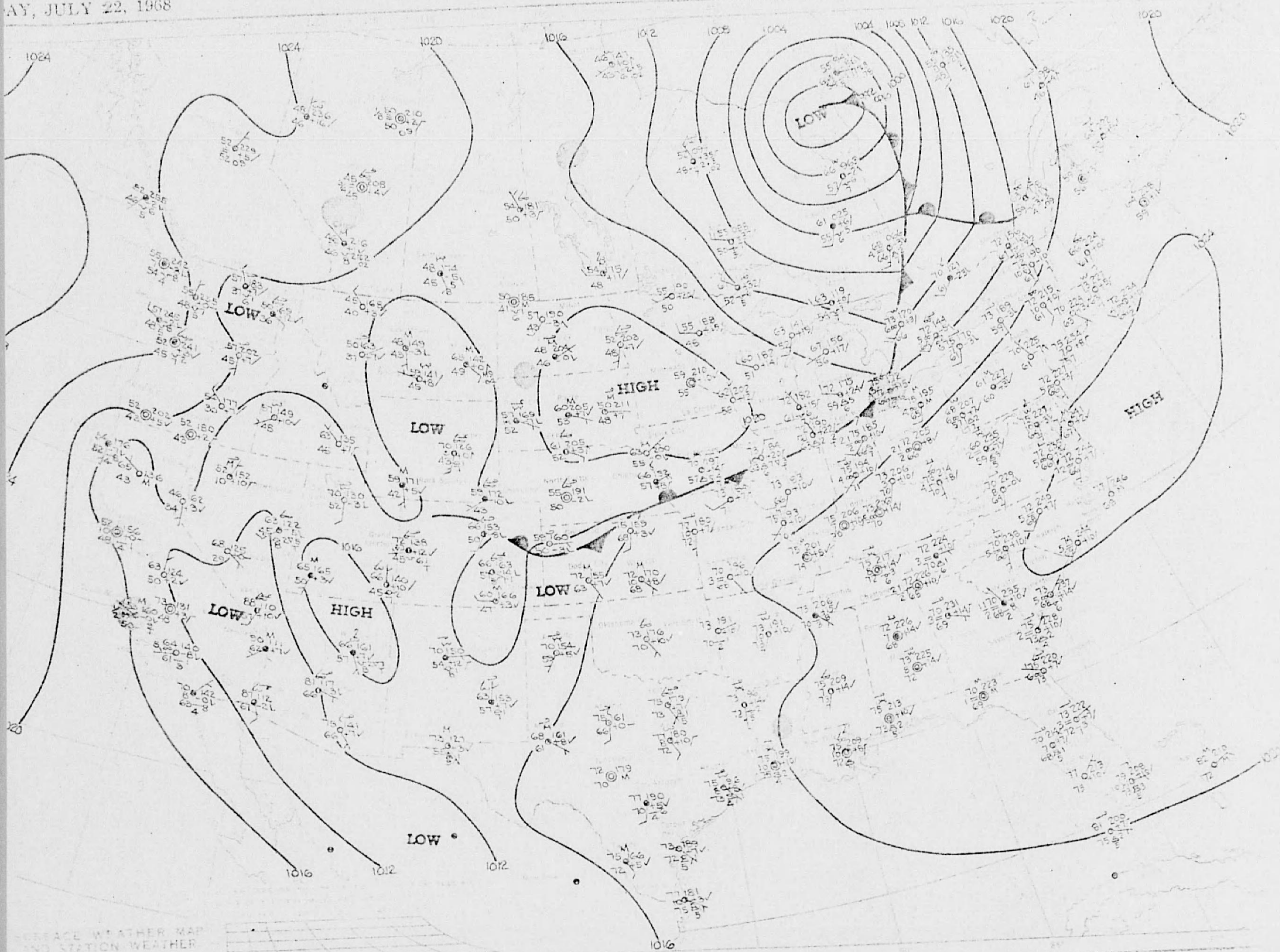


SURFACE WEATHER MAP
AND STATION DATA
AT 7:00 AM, LST

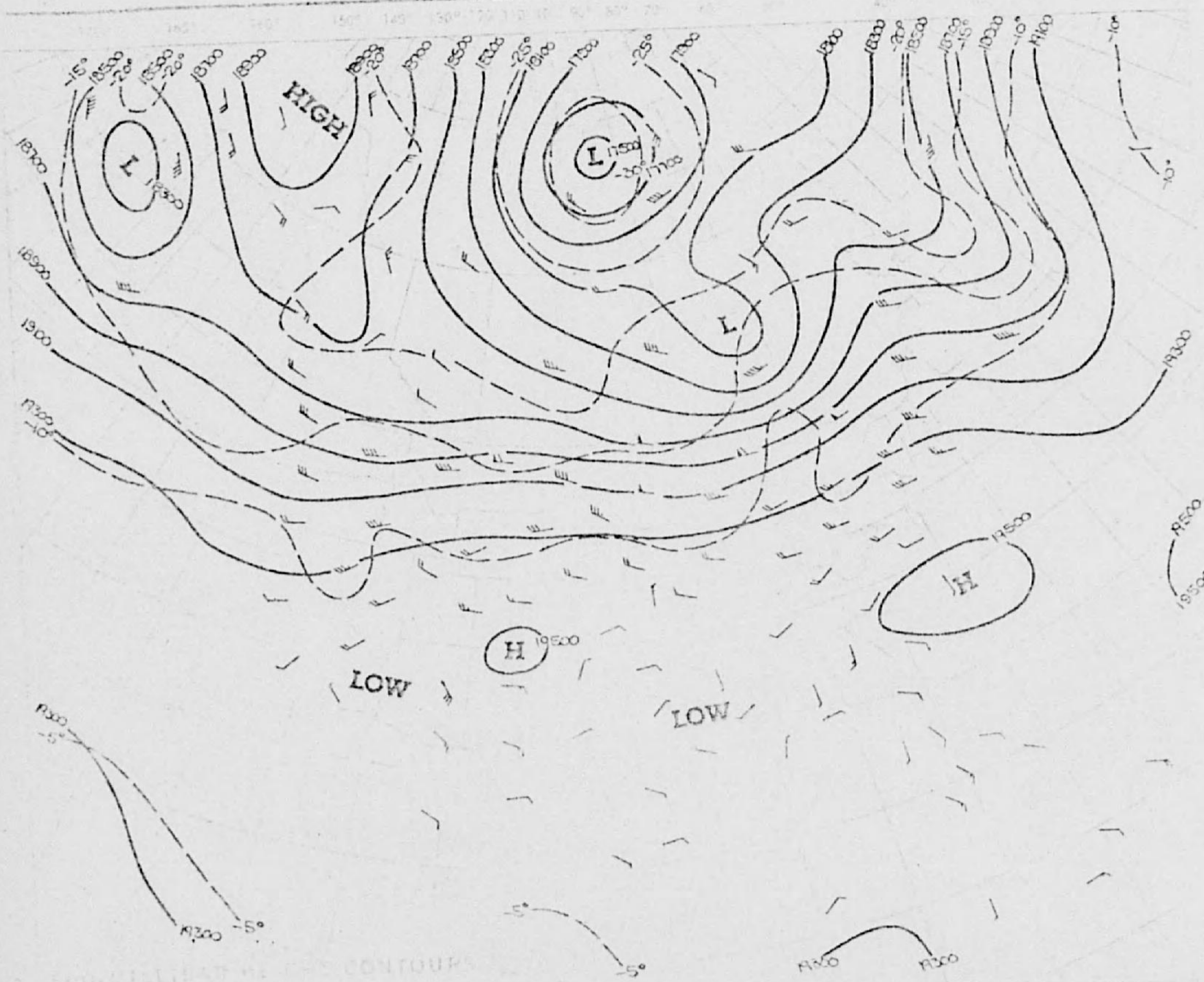


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1150	1155	1160	1165	1170
1175	1180	1185	1190	1195
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1275	1280	1285	1290	1295
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1350	1355	1360	1365	1370
1375	1380	1385	1390	1395
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1425	1430	1435	1440	1445
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1475	1480	1485	1490	1495
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1675	1680	1685	1690	1695
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1850	1855	1860	1865	1870
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1950	1955	1960	1965	1970
1975	1980	1985	1990	1995
2000	2005	2010	2015	2020
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2050	2055	2060	2065	2070
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6050	6055	6060	6065	6070
6075	6080	6085	6090	6095
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AY, JULY 22, 1968



SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. EST



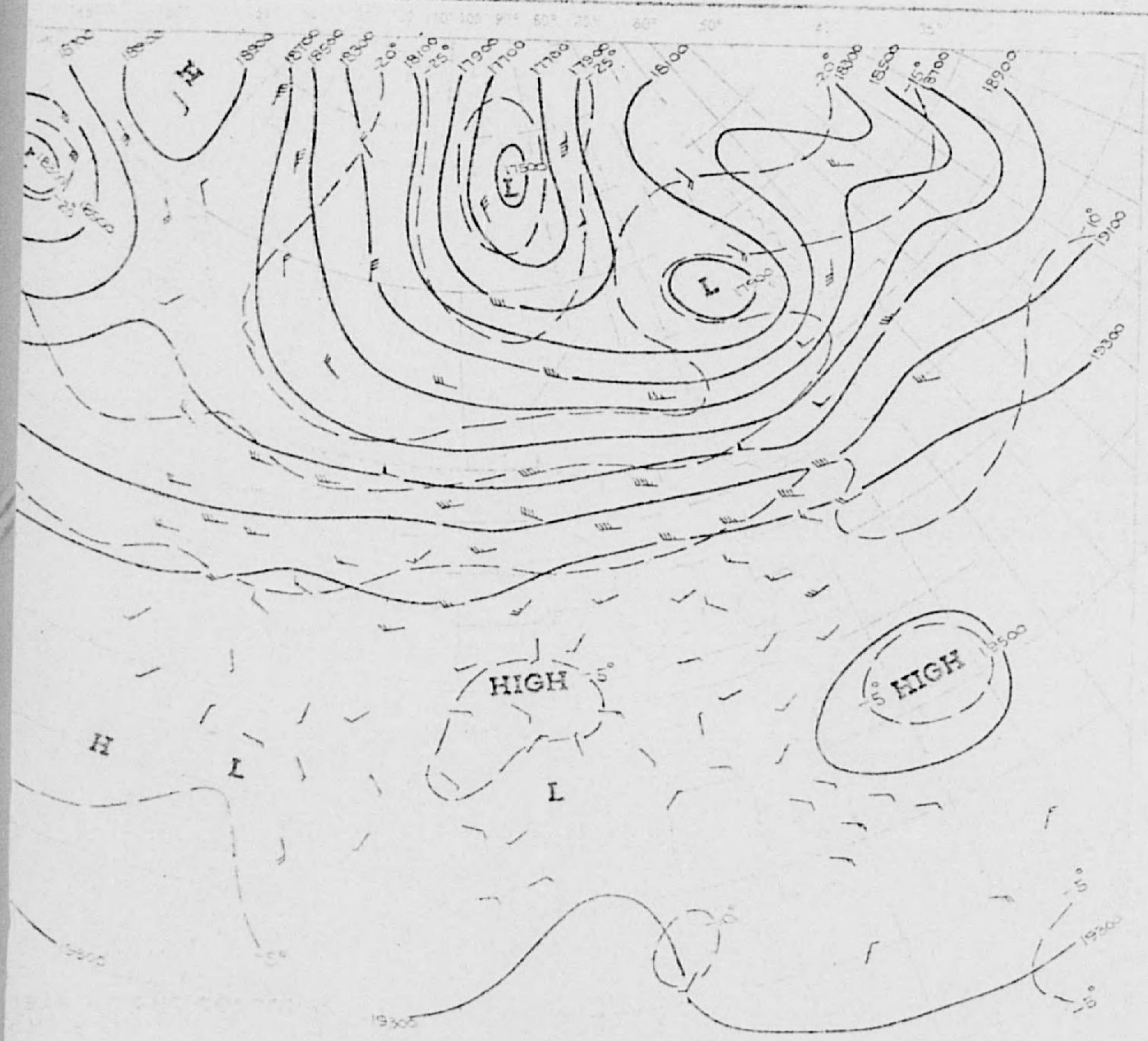
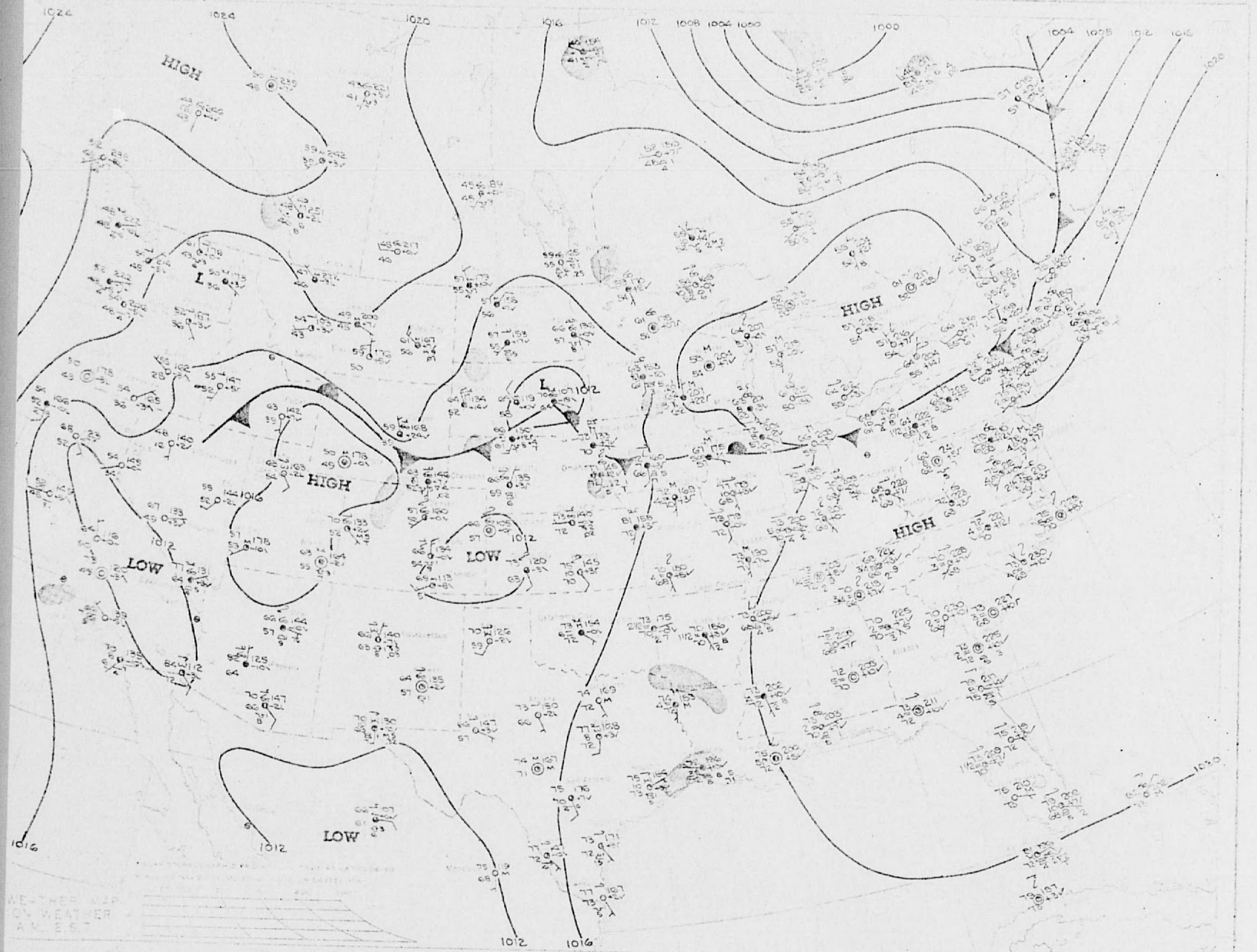
HIGHEST AND LOWEST TEMPERATURES

STATION	HIGHEST	LOWEST
1	84	64
2	82	62
3	80	60
4	78	58
5	76	56
6	74	54
7	72	52
8	70	50
9	68	48
10	66	46
11	64	44
12	62	42
13	60	40
14	58	38
15	56	36
16	54	34
17	52	32
18	50	30
19	48	28
20	46	26
21	44	24
22	42	22
23	40	20
24	38	18
25	36	16
26	34	14
27	32	12
28	30	10
29	28	8
30	26	6
31	24	4
32	22	2
33	20	0
34	18	-2
35	16	-4
36	14	-6
37	12	-8
38	10	-10
39	8	-12
40	6	-14
41	4	-16
42	2	-18
43	0	-20
44	-2	-22
45	-4	-24
46	-6	-26
47	-8	-28
48	-10	-30
49	-12	-32
50	-14	-34
51	-16	-36
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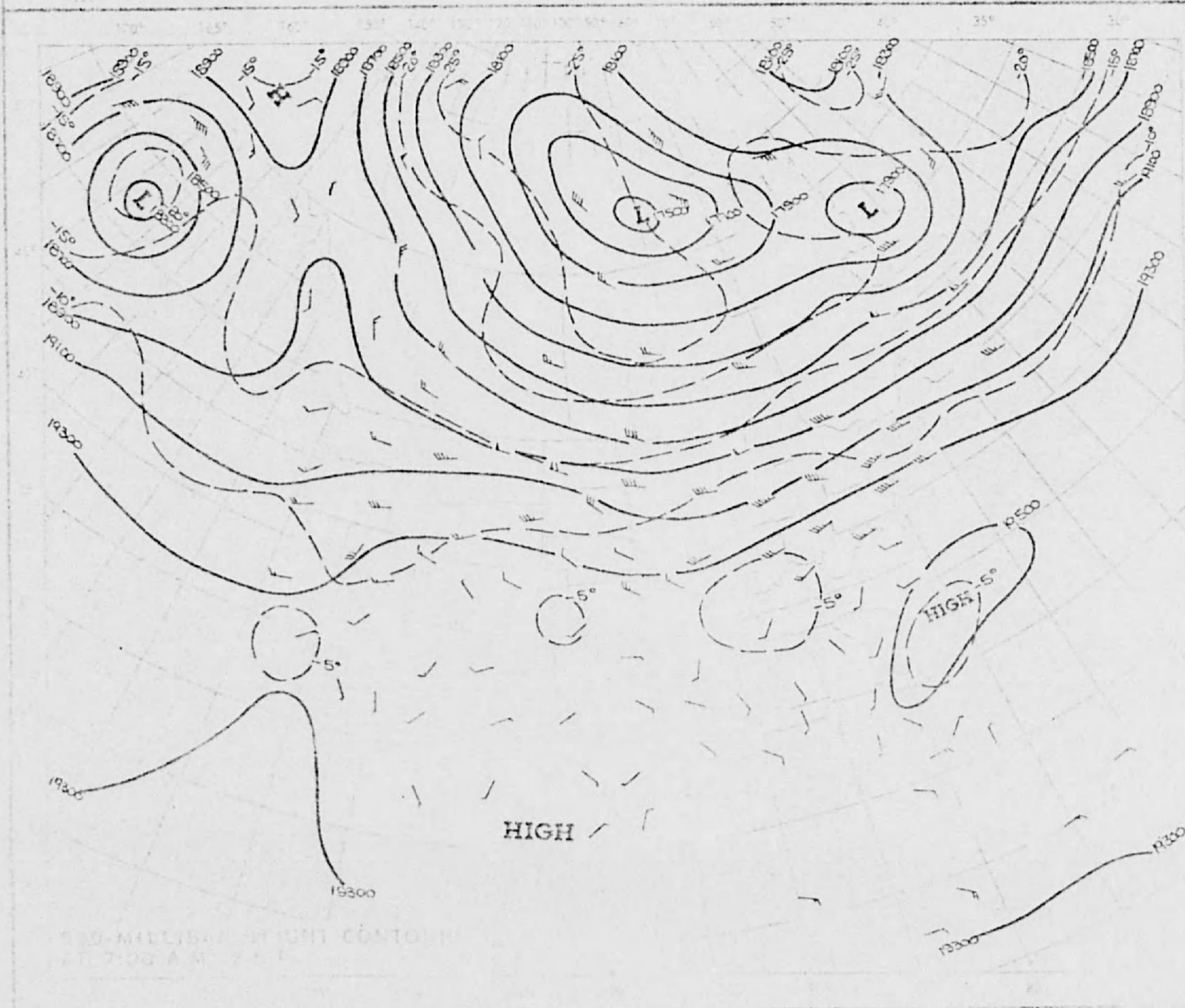
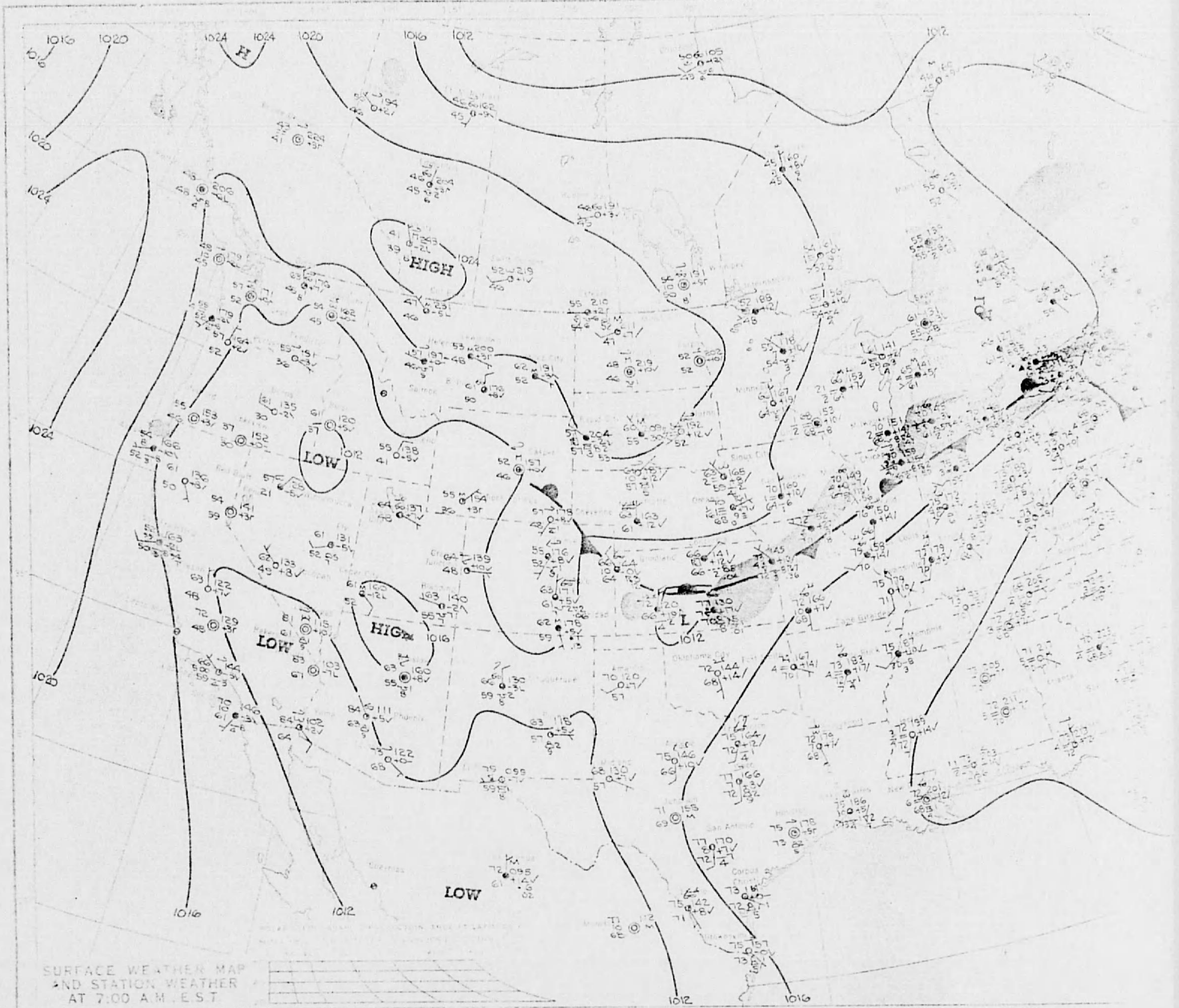
HIGHEST AND LOWEST TEMPERATURES



TUESDAY, JULY 23, 1968

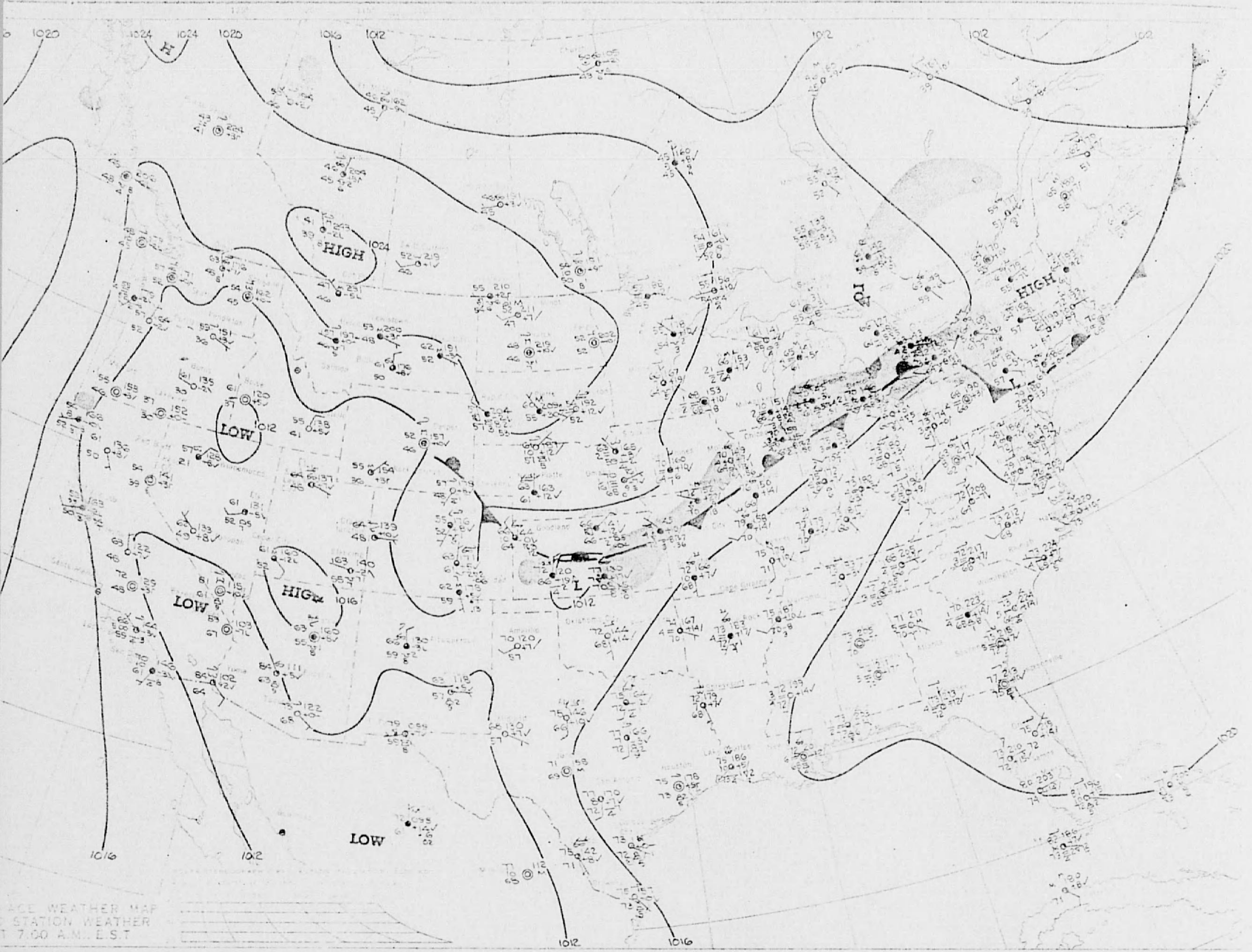


WEDNESDAY, JULY 24, 1968



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WEDNESDAY, JULY 24, 1968



SURFACE WEATHER MAP
STATION WEATHER
1700 A.M. EST



HEIGHT CONTOURS
1700 A.M. EST

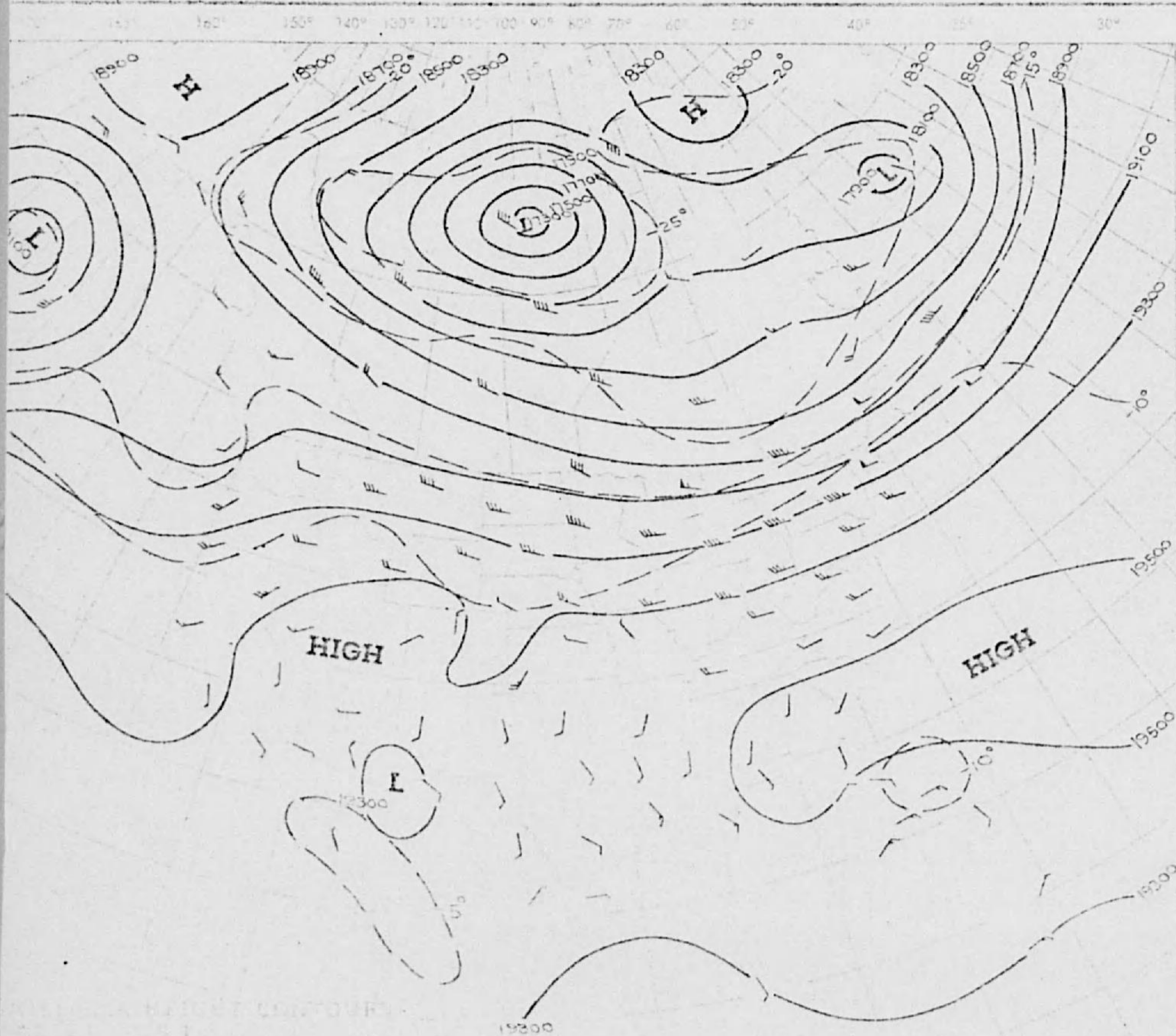
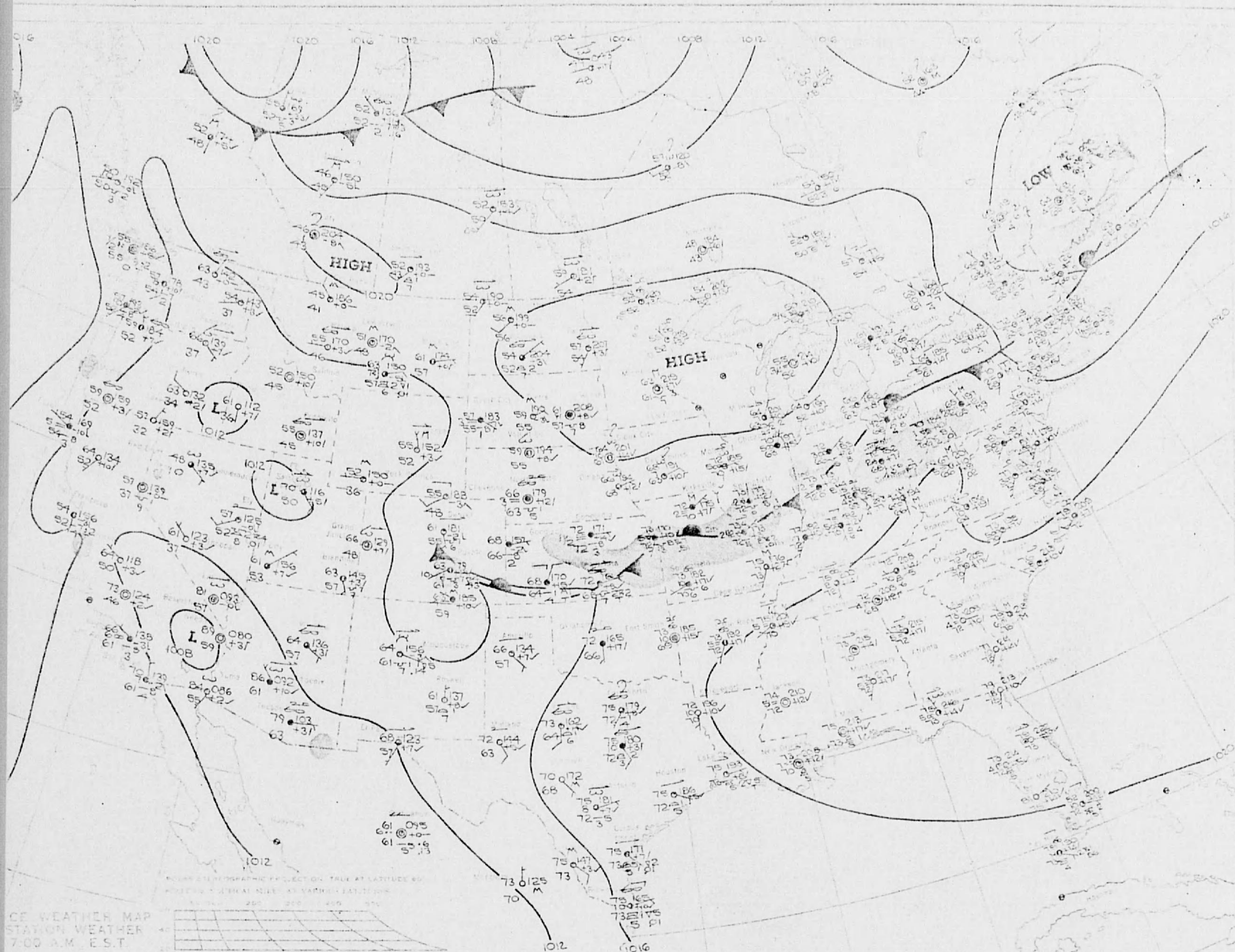
Table with 10 columns and 10 rows of numerical data, likely representing temperature, humidity, or other meteorological variables at specific stations.

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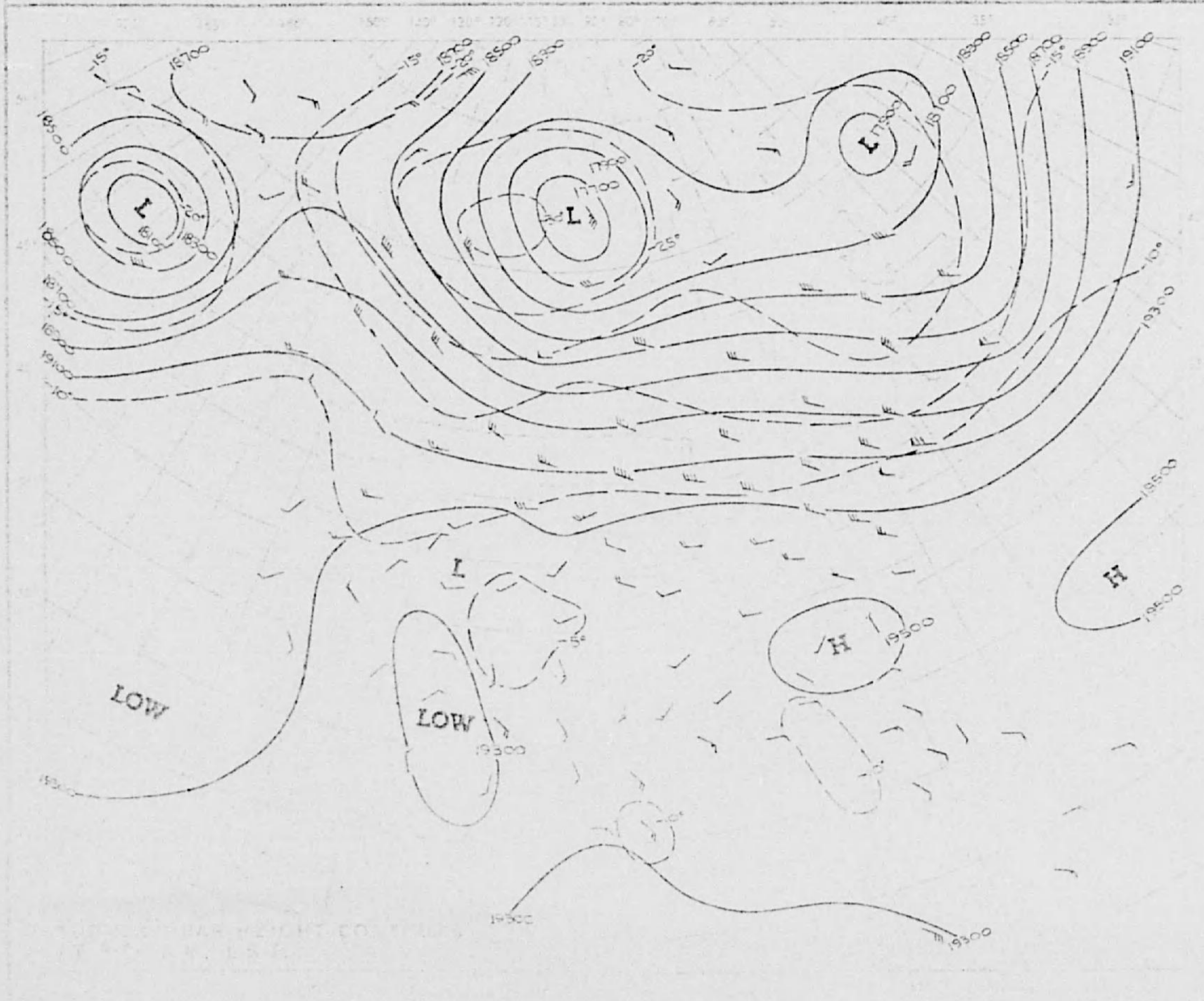
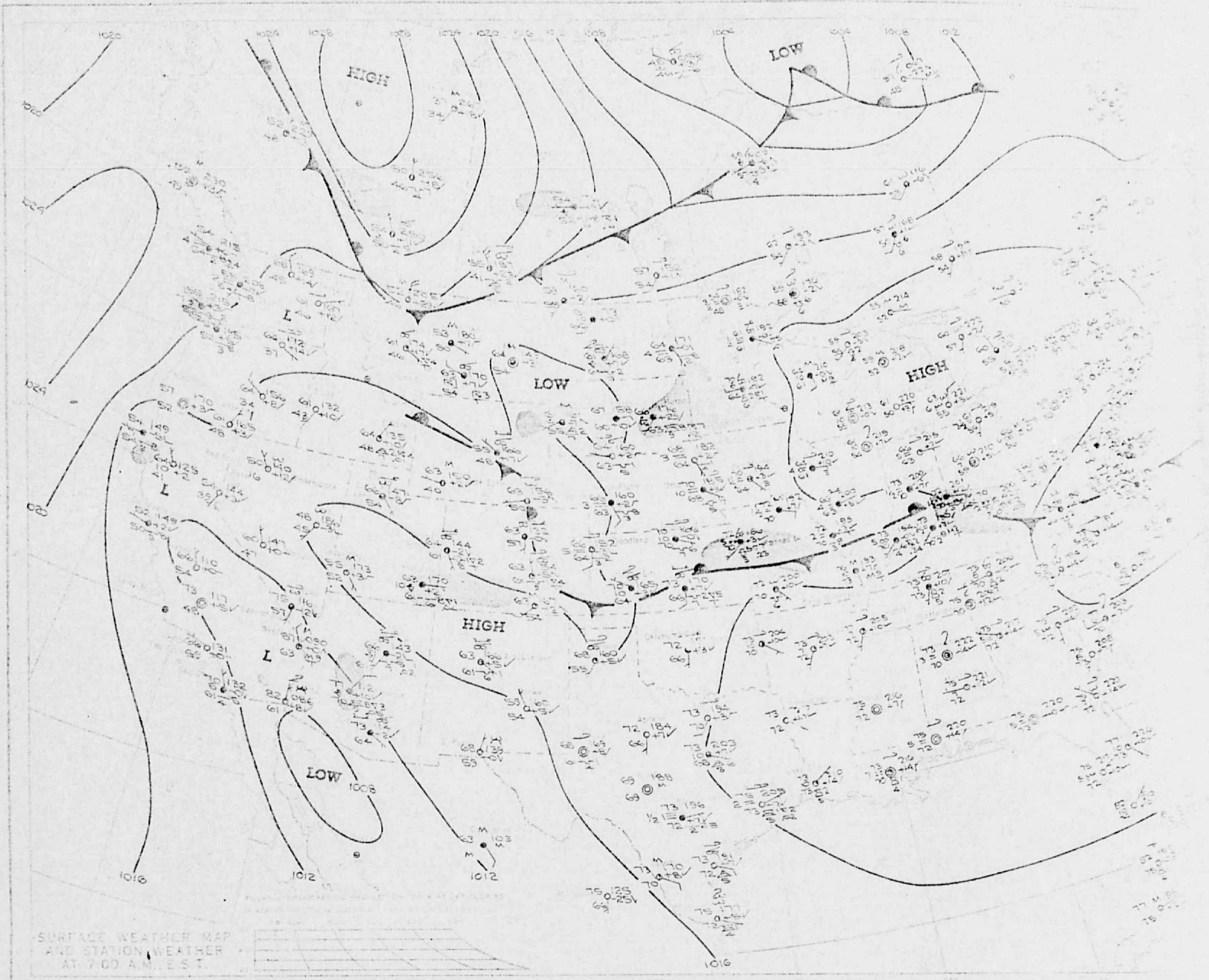


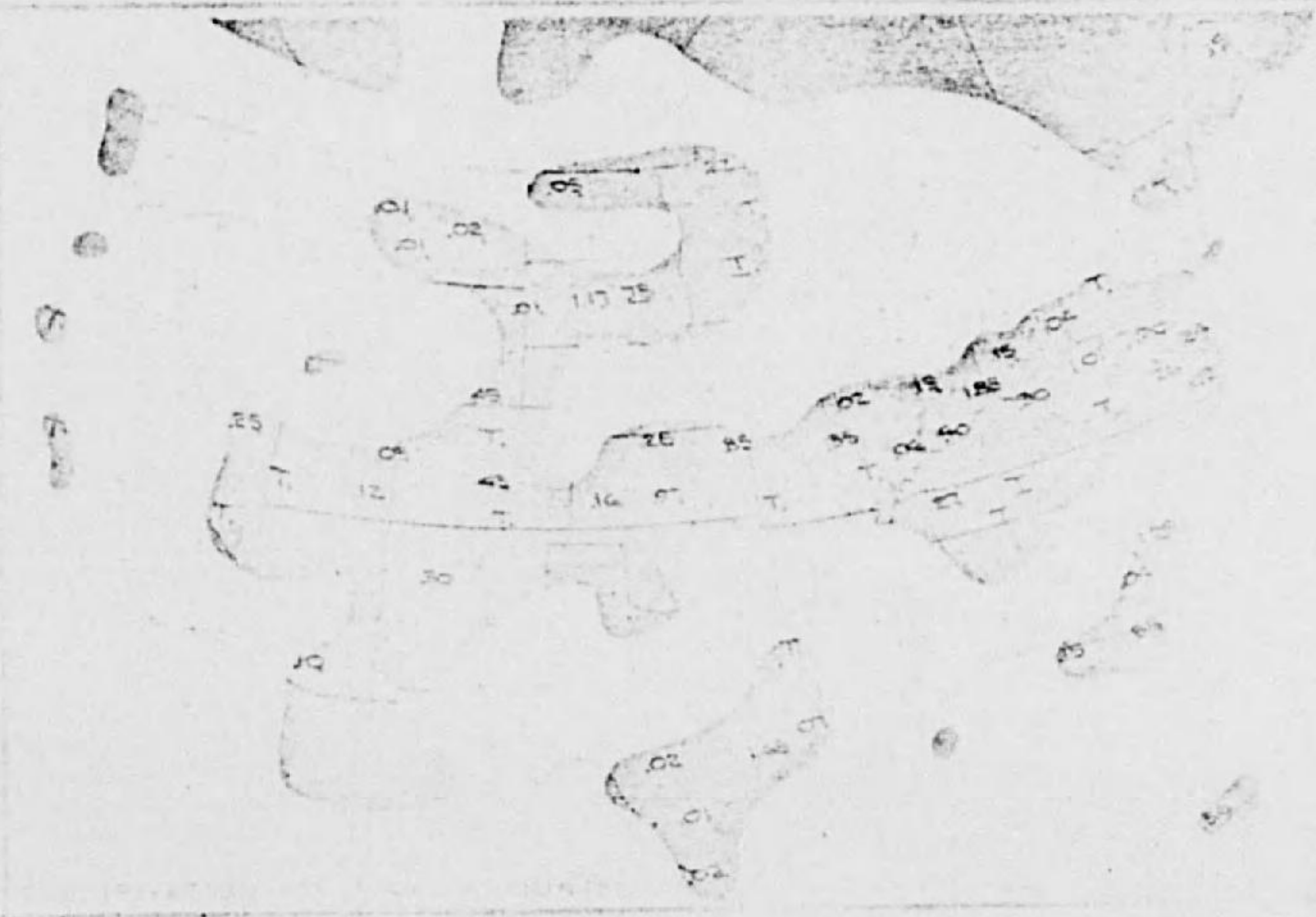
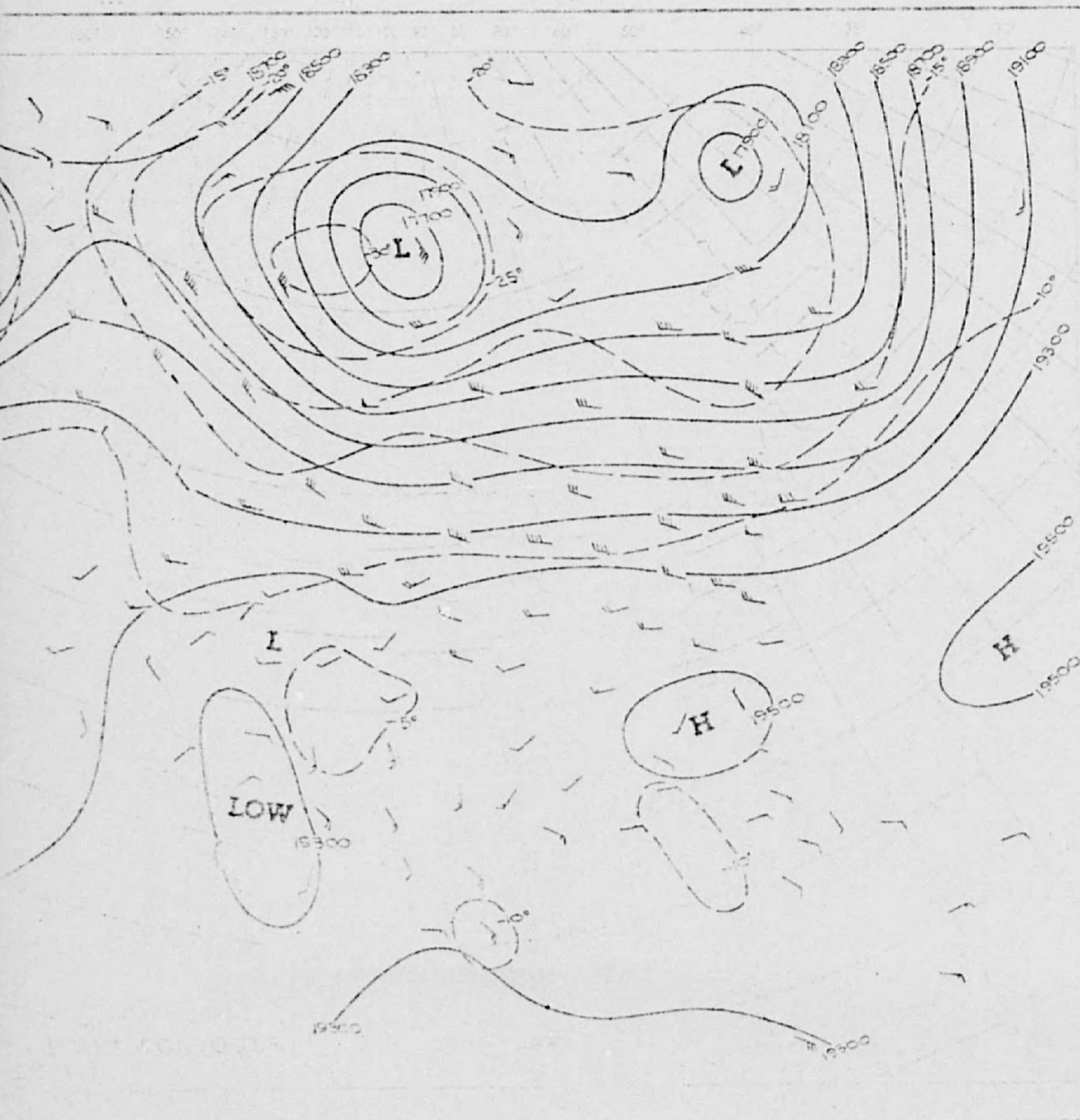
CLOUD COVER
1700 A.M. EST

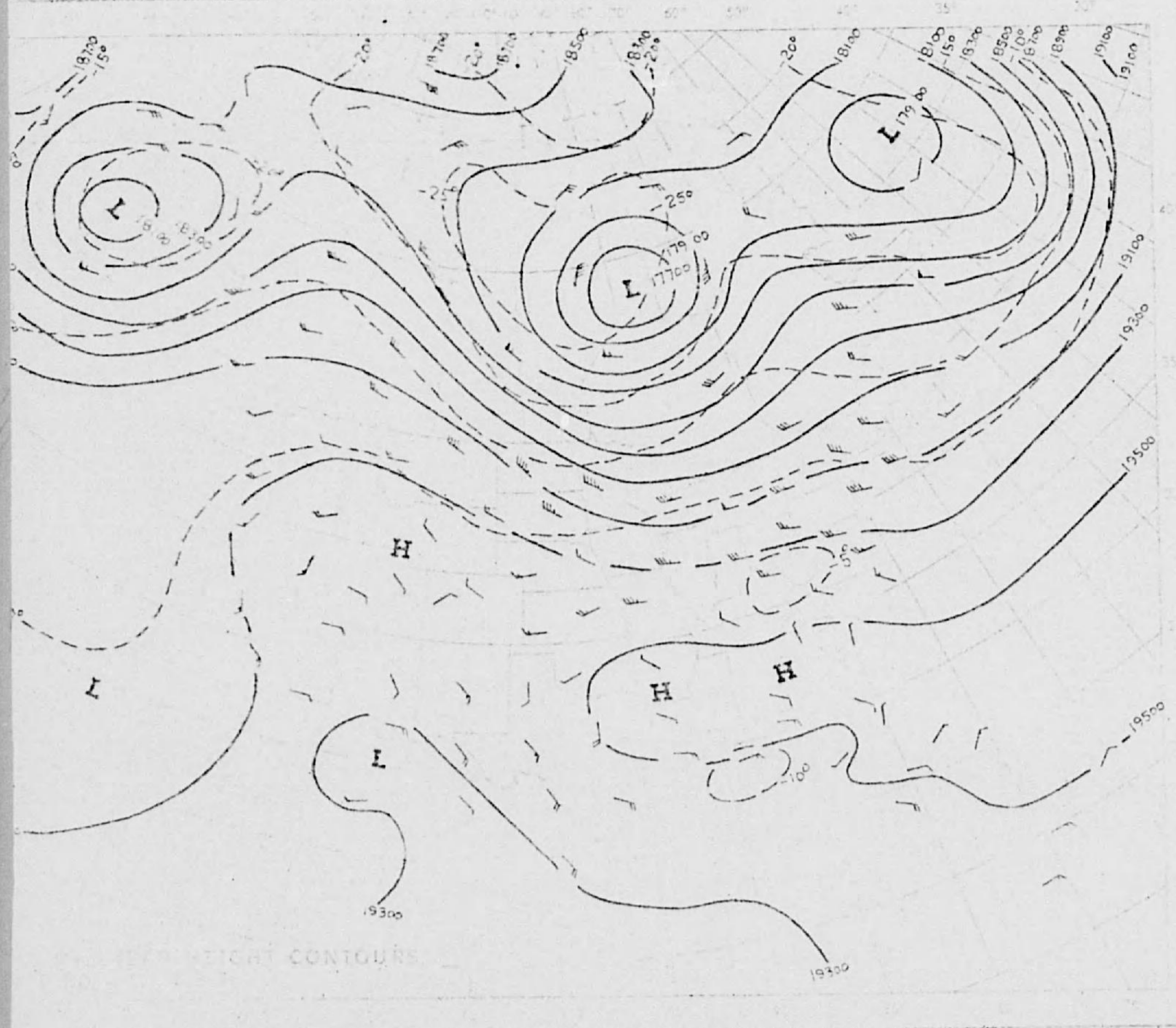
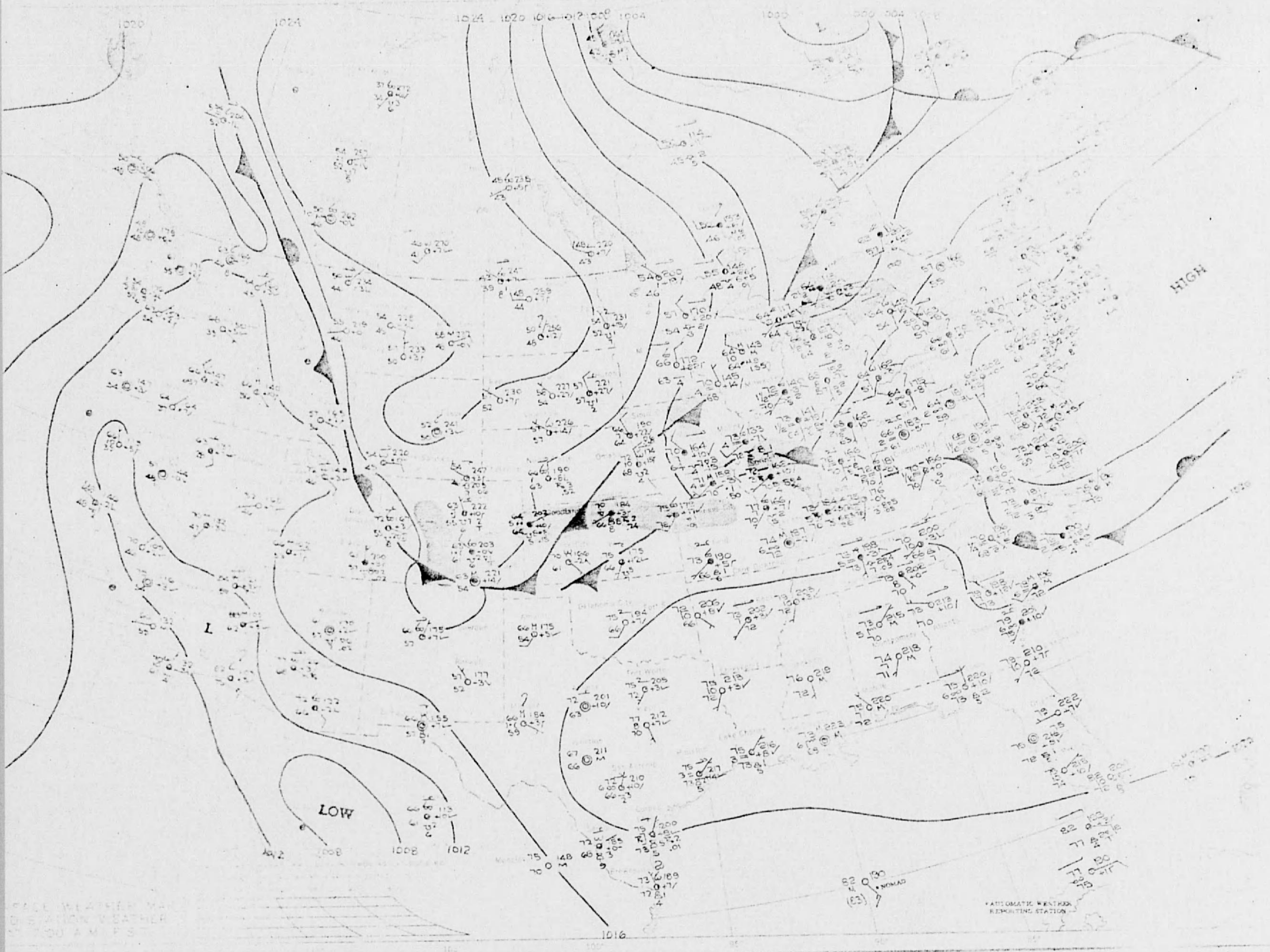
THURSDAY, JULY 25, 1967



FRIDAY, JULY 26, 1968







26 - 31 JULY 1968 SIGHTINGS

<u>DATE</u>	<u>LOCATION</u>	<u>OBSERVER</u>	<u>EVALUATION</u>
26	Bridge City, Texas	[REDACTED]	Insufficient Data
28	Cuming County, Nebraska	[REDACTED]	Other (PLASMA)
28	Attanista, Virginia	[REDACTED]	Astro (MOON)
28	Iowa City, Iowa	[REDACTED]	Aircraft
28	Pottstown, Pennsylvania	[REDACTED]	Balloon
28	Sierra Vista, Arizona	[REDACTED]	Insufficient Data
28	Chicago, Illinois	[REDACTED]	Satellites
29	Northridge, Ohio	[REDACTED]	Insufficient Data
29	Kettering, Ohio	[REDACTED]	Insufficient Data
29	Medway, Ohio	[REDACTED]	Insufficient Data
30	Binghamton, New York	[REDACTED]	Insufficient Data
31	Bridge City, Texas	[REDACTED]	Satellite
31	Boise, Idaho	[REDACTED]	Balloon
31	Antigo, Wisconsin	[REDACTED]	Satellite (ECHO II)

ADDITIONAL REPORTED SIGHTINGS (NOT CASES)

<u>DATE</u>	<u>LOCATION</u>	<u>SOURCE</u>	<u>EVALUATION</u>
26	Indianapolis, Indiana	[REDACTED]	
27	Spain	[REDACTED]	
28	Ohio River	[REDACTED]	
29	Skokie, Illinois	[REDACTED]	

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