

PROJECT 10073 RECORD CARD

1. DATE 21 Jan 61		2. LOCATION Akron, Ohio		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon  <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft  <input type="checkbox"/> Was Astronomical <i>MOON</i> <input checked="" type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical  <input type="checkbox"/> Other _____ <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local <u>2305</u> GMT <u>220405Z</u>		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Civilian			
7. LENGTH OF OBSERVATION 15-20 Min		8. NUMBER OF OBJECTS 1	9. COURSE		
10. BRIEF SUMMARY OF SIGHTING Like a circle or plate with the top cut off and approx 5 times the size of moon. Color reddish-orange. Appeared 12° N of due W. Disappeared same position.  See: Slides 7-3745-458  (SLIDES IN PHYSICAL SPECIMEN FILE)			11. COMMENTS It is concluded by FTD that the object viewed by witnesses was the setting moon distorted by atmospheric refraction. Weather conditions probably contributed to misidentification. Conclusion substantiated by fact that moon was just N of W; and all sightings occurred at approx time of moonset.		

9. It is requested that you pass this information to SAFLL for forwarding to Mr. [redacted] House Armed Services Sub-Committee.

FOR THE COMMANDER:

*H. J. [redacted]*  
PHILIP G. EVANS  
Colonel, USAF *13 April 61*  
Deputy for Science and Components

COORDINATION: AFCIN-4E *Robert J. Friend* DATE *12 April 61*  
Maj Robert J. Friend

PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

Item 9 (Cont)

Electric Company, Akron. Inquired if any power line trouble had occurred in the area of Nesmith Lake on 21-22 Jan 61. None was recorded; and if any trouble had occurred, Mr. [REDACTED]'s office would have had a record of it. The above contact was made as [REDACTED] reported that there was an odor associated with the sighting as though electric wires were burning. Also from the reported behavior and location of the [REDACTED] UFO it could/should have come through near an electric high tension line located West of [REDACTED] home.

ACCOMPLISHMENTS:

Conducted personal interview with Mr. [REDACTED] and recorded the interview on tape.

Conducted a complete photo-recon of the area in which the [REDACTED] incident of 21 January occurred.

Established a friendly working relationship with Mr. [REDACTED] Director of the UFO Research Committee, Akron.

Established working support of Akron Civilian Defense Office, Mrs. [REDACTED].

Became area orientated in case future incidents dictate repeated trips.

PERSONAL OBSERVATIONS:

All people contacted were very eager to cooperate and gave freely of their time.

Believe that the people involved with the [REDACTED] incident and contacted gave no false information - all were very sincere and from many personal debriefing experiences,

PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

Item 9 (Cont)

I believe that they were stating, as best they could and honestly, an experience of personal involvement which they actually witnessed but did not, perhaps, could not, understand.

[REDACTED], whatever his motivations, is very eager and capable of honestly and unbiasedly assisting in UFO investigations.

Local area Civilian Defense Offices can and should be utilized while conducting UFO investigations.

RECOMMENDATIONS:

Utilize local area Civilian Defense Organizations during UFO investigations.

Utilize various Civilian UFO Organizations in any/all of the following ways: (However make it understood that the organizations do not represent the USAF during organizational activities !!)

Conduct on the spot taped interviews plus photo reconnaissance.

Perform finished studies of each factually backed up incident.

Perform a study of previous unexplained UFO reports.

Remuneration to the various UFO organizations could be accomplished by replacing material such as blank tapes to replace equipment which is taken from the organization as evidence.

PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

Item 9 (Cont)

members of the family went outside during the observation of the incident. It was also brought out during the interview that a similar incident occurred on 23 November 60 while Mr. [REDACTED] was away from Akron on a business trip; both incidents occurred approximately at the same time of the evening (11:05 p.m.) and behaved in a like manner; however, the November sighting was not reported to the officials and no public record was made of it. During the interview, Mr. [REDACTED] showed us the location of the incident both from their points of observation and the location of the objects appearance/behavior. (On-the-spot photographs were made of all points.)

At the termination of the [REDACTED] Interview, contact was made with Mr. [REDACTED] of the UFO Research Committee, Akron, and an interview was established.

Mr. [REDACTED] brought along to the interview his assistant, Mr. [REDACTED]. At first the two gentlemen were very unfriendly, due mainly to previous rude treatment (treated him as a seeker of publicity, out for his own gains, a crack pot, a liar, and in general, the old idiot treatment) by both city officials and a representative of the Dept of Defense.

During some 7 hours of interview Mr. [REDACTED] and [REDACTED] showed us every consideration, took us to interview a Mrs. [REDACTED] whose home is located in the general area of Lake Nesmith, at [REDACTED] and had also reported to [REDACTED] the sighting of a UFO during the night of 22 Feb 61. Later during the evening Mr. [REDACTED] took us to his residence to review a great deal of UFO work he and his committee has compiled throughout the previous years.

PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

Item 9 (Cont)

While at [REDACTED] home we listened and recorded taped interviews of 4 other individual sightings of the [REDACTED] incident of 21 Jan 61. The other sightings were made by Mr. [REDACTED] at 10:30 p.m., Mrs. [REDACTED] and 11 year old daughter, [REDACTED] at 10:40 p.m., Mr. and Mrs. [REDACTED] at 10:40 p.m., and Mr. and Mr. [REDACTED] at 10:40 p.m., all on the night of 21 Jan 61 and none of the people are related or were known to one another.

The other people did not report their sightings of a UFO officially except to Mr. [REDACTED] who has his interviews with them recorded on tape.

During our interview with [REDACTED] he brought out the very irritating fact of the great amount of trouble he and other conscientious citizens have had dealing with various governmental officials, especially with Lt Colonel Lawrence Tacker, Chief SAFOI-3d, Washington D. C. [REDACTED] pointed out Tacker's new book has some very stupid and elementary errors in it; and indicated that this official has treated him with childish disrespect. [REDACTED] possesses taped telephone conversations with Tacker which pretty well bare out [REDACTED] position.)

We also had an interview with Mrs. [REDACTED] [REDACTED] of the City of Akron's Civilian Defense Office, [REDACTED]. She was very cooperative and has offered to us (USAF representatives) the use of any/all of the city's services at any time - even the use of her offices as our headquarters in the area should the need arise.

Contacted Mr. [REDACTED] Line Service Dept., Edison

Won't A On Protest

31 JAN 61

# 'Flying Object' Quiz Rejected By Council

City Council decided today not to launch its own investigation into the mysterious area of Unidentified Flying Objects, better known as UFOs.

Council, 9 to 3, voted to file a letter from two members of the UFO Akron Area Research Committee protesting the attitude of the Police Department last week when a "UFO sighting" was reported over a Nesmith Lake cove.

COUNCIL'S vote followed a like motion by Joseph Wheeler (D-4), who said he felt the matter had been "adequately discussed."

The vote came after Joseph Denholm (D-1), said that, "Since the letter referred to a flying object, perhaps it should be referred to the Airport and Aviation Committee."

Voting against filing were Edward Davis (D-3), J. P. Riddle (R-at-large) and Denholm.

DAVIS declared that "UFOs are no laughing matter. Ninety-eight per cent of the reports prove false, but it's the other 2 per cent that bother officials..."

The UFO reportedly was cited by the James Pulliam family, 652 W. Waterloo rd. The UFO Committee had asked Council to "guide policemen to a more alert receptivity to such reports."

AKRON BEACON JOURNAL

## Seen Over Nesmith Lake

26 JAN 61

# Slap Police Attitude On 'Flying Object'

A "nerve-shattering experience" an Akron family had with an unidentified flying object (UFO) was described today by Akron Councilmen by the UFO Akron Area Research Committee.

In a letter to Council, two committee officials told of the object sighted by the James Pulliam family, 652 W. Waterloo rd., last Saturday over a Nesmith Lake cove.

AN UNIDENTIFIED flying object, 30 or more feet in diameter, hovered, tilted and illuminated a small cove in "lake" wrote Chairman George Popowich and Sighting Chairman Laurence Moyers.

The object generally paced the area at 40 feet altitude and frequently within 300 feet of "Pulliam home," the letter continued.

THE COMMITTEE sent the letter to formally protest the attitude of the Police Department when the Pulliams called to report what they had

"The Pulliams were greeted with light talk and a laughing response." Popowich and Moyers charged. "This family was exposed to a soul-searching phenomenon which should have been handled (by police) with interest and investigation."

The UFO leaders asked Councilmen to "guide policemen to a more alert receptivity" to such reports.

The letter will be read at Tuesday's City Council meeting.

31 JAN 61

## Saucer Laws Needed

The UFO Akron Area Research Committee has written to City Council to complain about the treatment an Akron family received from the police department when it telephoned to report the sighting of an unidentified flying object hovering over Nesmith Lake.

The flying saucer group says somebody at the police station received the news "with light talk and a laughing response." The letter asks Council to "guide policemen to a more alert receptivity" to reports of this kind.

Our first reaction was to wonder why the saucer spotters didn't complain to the Mayor, who is ex officio safety director and boss of the police department, instead of taking the matter to Council. But then it dawned on us that admonishing the police to take UFO reports seriously is only part of what is involved here.

In the absence of any laws governing the conduct of visitors from outer space, what could the police have done about it if they HAD taken the Nesmith Lake report seriously and gone out and lassoed the saucer?

The police need guidance, all right, but not just in being polite to the public—the earth public, that is. They need ordinances which at least would give them authority to take saucer crews into custody for questioning. Otherwise we're liable to have an interplanetary incident around here.

PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

Item 9 (Cont)

We believe that by utilizing the Civilian UFO organizations two things can be readily realized:

1. Gain any/all available information that may contribute to the solutions of UFO reports via the most economical means available to responsible USAF/ATIC departments.
2. Realize a very amicable and responsible relationship between offices of the DOD and the American Public which during the past years has become increasingly more antagonistic in many areas to include congressional intervention.

ROBERT T. SMITH  
Captain, USAF  
AFCIN-4E

EARL J. WOLF JR.  
Captain, USAF  
AFCIN-4E

-----  
PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

Item 9 (Cont)

DATA PROCESSING DIVISION  
CLIMATIC CENTER, USAF  
Air Weather Service (MATS)  
Asheville, North Carolina

REPLY TO  
ATTN OF: CCDDP/HHOE

SUBJECT: Data for Akron, Ohio

27 Mar 1961

TO: Aerospace Technical Intelligence Center  
ATTN: AFCIN 4E 2X  
Wright-Patterson AFB, Ohio

1. Reference: Your telephone requests on 17 March 1961 and 24 March 1961, and our letter 20 March 1961, subject: Data for Akron, Ohio and Vicinity.
2. We are inclosing photographic copies of hourly surface observations for Akron-Canton Airport, Ohio for the period 16 through 26 January 1961 which is the balance of data requested by your first telephone conversation. Included also is the period for Akron requested in your second call.
3. Copies of additional data requested in your second call are being prepared as listed below:
  - a. Surface hourly observations for 21 through 25 Nov 1960 from Cleveland, Pittsburgh, and Toledo.
  - b. Winds aloft observations for 21 through 25 Nov 1960 from Toledo, Ohio.
  - c. Radiosonde adiabatic charts for 21 through 25 Nov 60 from Pittsburgh.
4. Copies of these data will be forwarded by 31 Mar 1961.

FOR THE DIRECTOR

*Pallas L. Tye Jr*  
PALLAS L. TYE, JR.  
Captain, USAF  
Administrative Officer

Atch  
Data f/Akron, Ohio

10-13  
RECEIVED

DATA PROCESSING DIVISION  
CLIMATIC CENTER, USAF  
Air Weather Service (MATS)  
Asheville, North Carolina

REPLY TO  
ATTN OF: CCDDP/HHOO

SUBJECT: Copy of Surface and Upper Air Data

29 Mar 1961

TO: Aerospace Technical Intelligence Center  
Attn: AFCIN 4E2X  
Wright-Patterson AFB, Ohio

1. Reference: Your telephone request 24 March 1961 and our letter 27 March 1961, subject: Data for Akron, Ohio.
2. We are forwarding photographic copies of the following data:
  - a. Surface hourly observations for 21 through 25 Nov 1960 from Cleveland, Pittsburgh, and Toledo U. S. Weather Bureau stations.
  - b. Winds aloft observations for 22 through 25 Nov 1960 from Toledo, Ohio. No observations were taken on the 21 Nov 1960.
  - c. Radiosonde adiabatic charts for 21 through 25 Nov 1960 from Pittsburgh, Pennsylvania.
3. Surface data for Akron, Ohio were forwarded in the shipment on 24 Mar 1961.

FOR THE DIRECTOR

*Pallas L. Tye Jr.*  
PALLAS L. TYE, JR.  
Capt., USAF  
Administrative Officer

1 Atch  
Sfc & U/A data

ALIC

MAR 10 1961

SEARCHED



DATA PROCESSING DIVISION  
CLIMATIC CENTER, USAF  
Air Weather Service (MATS)  
Asheville, North Carolina

VIA AIRMAIL

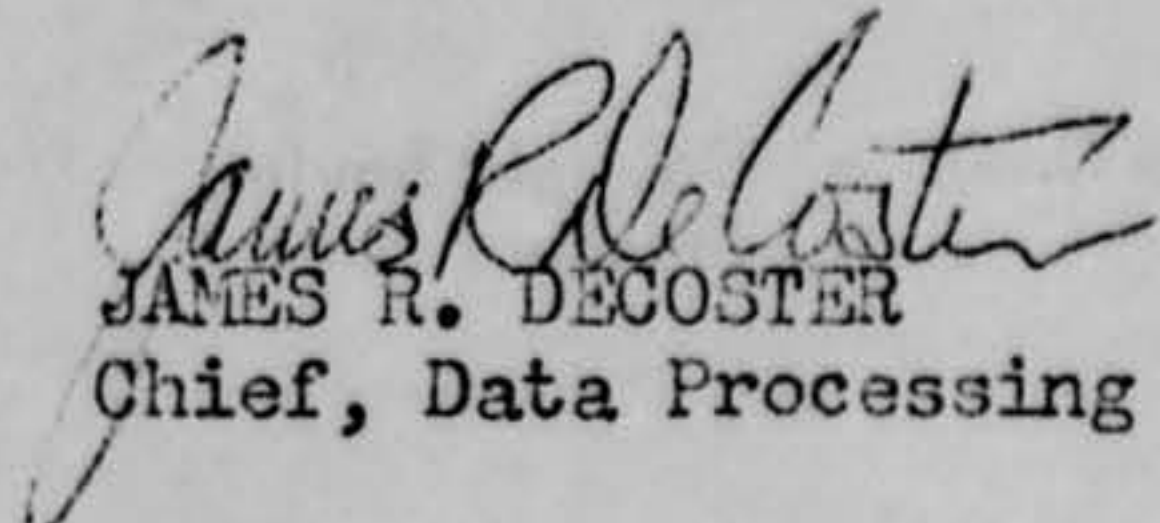
REPLY TO  
ATTN OF: CCDPD/HHOO

SUBJECT: WBAN-31 Adiabatic Charts for Pittsburgh 4 Apr 1961

TO: Aerospace Technical Intelligence Center  
ATTN: AFCIN 4E2X  
Wright-Patterson AFB, Ohio

1. Reference: Your telephone call 31 Mar 1961.
2. We are inclosing photocopies of adiabatic charts from Pittsburgh for 21 through 25 Nov 1960. We regret the oversight in our shipment 27 Mar 1961.

FOR THE DIRECTOR

  
JAMES R. DECOSTER  
Chief, Data Processing Div.

1 Atch  
WBAN-31 f/Pittsburgh

CLIMATIC  
APR 13 1961  
RECEIVED

## U.S. AIR FORCE TECHNICAL INFORMATION SHEET

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, and will be regarded as confidential material. 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?

21<sup>st</sup> Day      1 Month      61 Year

2. Time of day: 11 Hour      05 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?

[REDACTED] Nearest Postal Address      AKRON 14 City or Town      OHIO Summit Co. State or Country

Additional remarks: \_\_\_\_\_

5. How long was object in sight?

\_\_\_\_\_ Hours      20 Minutes      \_\_\_\_\_ Seconds

5.1 How was time in sight determined?

a. Certain      c. Not very sure  
 b. Fairly certain      d. Just a guess

6. What was the condition of the sky?

DAY      NIGHT  
 a. Bright      a. Bright  
 b. Cloudy      b. Cloudy PARTLY 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      d. To your left  
 b. In back of you      e. Overhead  
 c. To your right      f. Don't remember

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. The object appeared:

(Circle One):  a. As a light    b. Shiny    c. Dark    d. Don't remember

10. If it appeared as a light, was it brighter than the brightest stars? *YES BUT Different color (Reddish Orange)*

11. Did the object:

(Circle One for each question)

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

12. 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: \_\_\_\_\_

13. 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: \_\_\_\_\_

14. Did the object appear: (Circle One):    a. Solid    b. Transparent    c. Vapor    d. Don't Know

15. 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 | <input checked="" type="radio"/> Yes | No | h. Other      | <i>Direct Side Eye view</i> |    |

Akron Ohio

21 January 1961

On 21 Jan 61, several witnesses in the Akron, Ohio area reported seeing an unidentified ~~object~~ flying object. The information from the witnesses was generally consistent; the object being sighted between 2230 and 2300; appearing as a red-orange object just north of west and on the horizon. The object was further described by the witnesses as appearing as a circle or plate with the top cut off and appeared to be larger than the moon. The sighting was reported to have lasted 10 to 15 minutes.

On 21 Jan 61 official moonset at Akron was 2304. This time, of course, will deviate due to topographical conditions, manmade structures and the vantage point of the observer. However these deviations will be small. The moon was approaching the first quarter and only 23% of the surface visible from the earth was illuminated.

When the moon is just rising or setting, it often assumes an elliptical shape with the longer diameter parallel to the horizon. This is caused by atmospheric refraction raising the lower edge more than the upper and therefor apparently shortening the diameter perpendicular to the horizon. If there are several layers of discontinuity in the atmosphere, the distortion will be even more pronounced. In the Akron sighting the fact that the moon already was irregularly shaped, due to the approach of the first quarter, added to the effect created by the refraction. This is probably the reason the witnesses did not recognize the object for what it was and reported the top as flat or "cut off".

On 21 Jan 61 at 2258 the weather at Akron-Canton Airport was a 2,000 foot overcast composed of stratiform clouds, the visibility was 7 miles, and the temperature was 7 degrees Fahrenheit.

It is the Air Force conclusion that the ~~witnessed~~ object viewed by the witnesses in Akron, Ohio on 21 Jan 61 was the setting moon distorted by atmospheric refraction. This conclusion is substantiated by the facts that the moon was located just north of west at the time of the sighting on 21 Jan 61, the direction reported for the UFO by the witnesses. The sightings occurred at the approximate time of moonset with none occurring after 2303 which is only ONE minute after the official moonset time for Akron, Ohio on 21 January 1961.

16. Tell in a few words the following things about the object.

a. Sound \_\_\_\_\_

*Noise*

b. Color \_\_\_\_\_

*Reddish Orange (Bright White with  
faded objects)*

17. 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.

18. The edges of the object were:

(Circle One): a. Fuzzy or blurred

b. Like a bright star

c. Sharply outlined *more or less*

d. Don't remember

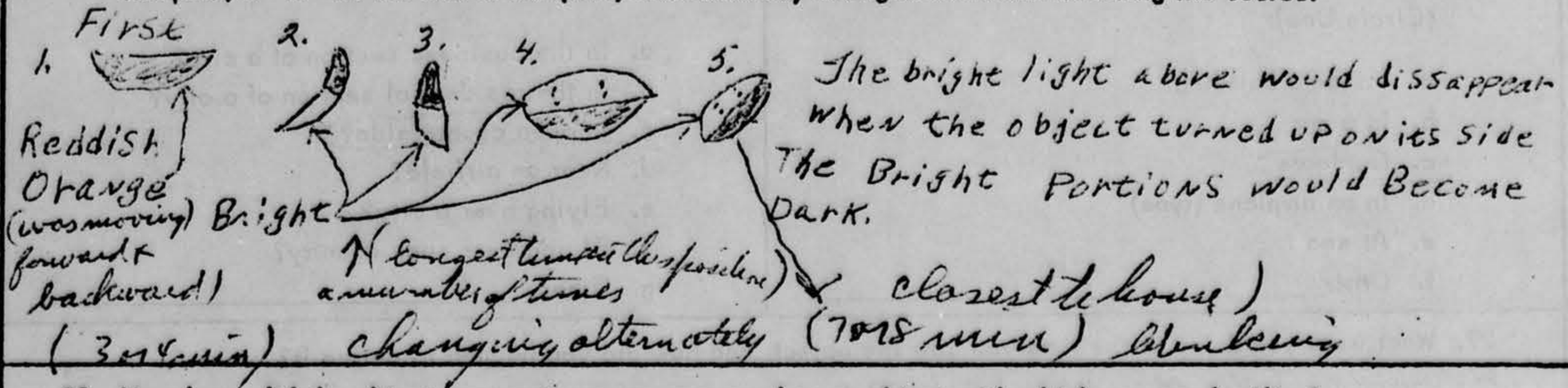
e. Other \_\_\_\_\_

19. 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.

*Only one.*

20. 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.



21. How large did the object appear to you as compared to an object with which you are familiar?

30 or 40 FT.

22. 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?

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

IT came Forward Then just Reversed, + Vanished. out of sight

24. 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.

25. 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 \_\_\_\_\_

26. 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 \_\_\_\_\_

27. What were you doing at the time you saw the object, and how did you happen to notice it?

*watching T.V. My wife told me.*

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

28.1 What direction were you moving? (Circle One)

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

28.2 How fast were you moving? \_\_\_\_\_ miles per hour.

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

(Circle One)      Yes      No

29. What direction were you looking when you first saw the object? (Circle One)

- |              |              |              |                     |
|--------------|--------------|--------------|---------------------|
| a. North     | c. East      | e. South     | g. West             |
| b. Northeast | d. Southeast | f. Southwest | <u>h. Northwest</u> |
|              |              |              | i. Overhead         |

30. What direction were you looking when you last saw the object? (Circle One)

- |              |              |              |                     |
|--------------|--------------|--------------|---------------------|
| a. North     | c. East      | e. South     | g. West             |
| b. Northeast | d. Southeast | f. Southwest | <u>h. Northwest</u> |
|              |              |              | i. Overhead         |

31. If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North (thru east) and also the number of degrees it was upward from the horizon (elevation).

31.1 When it first appeared:

- a. From true North \_\_\_\_\_ degrees.
- b. From horizon \_\_\_\_\_ degrees.

*12 degrees North of due West*

31.2 When it disappeared:

- a. From true North \_\_\_\_\_ degrees.
- b. From horizon \_\_\_\_\_ degrees.

*Saw*

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

CLOUDS (Circle One)

WEATHER (Circle One)

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

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

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

21 / 1 / 61  
 Day Month Year

*(Walter Nece)*  
 George POPWICH.  
 11:05 to 11:25

36. Was anyone else with you at the time you saw the object?

(Circle One) Yes No

36.1 IF you answered YES, did they see the object too?

(Circle One) Yes No

36.2 Please list their names and addresses

[REDACTED]

[REDACTED]

[REDACTED] AKRON 14 OHIO.

37. Was this the first time that you had seen an object or objects like this?

(Circle One) Yes No

37.1 IF you answered NO, then when, where, and under what circumstances did you see other ones?

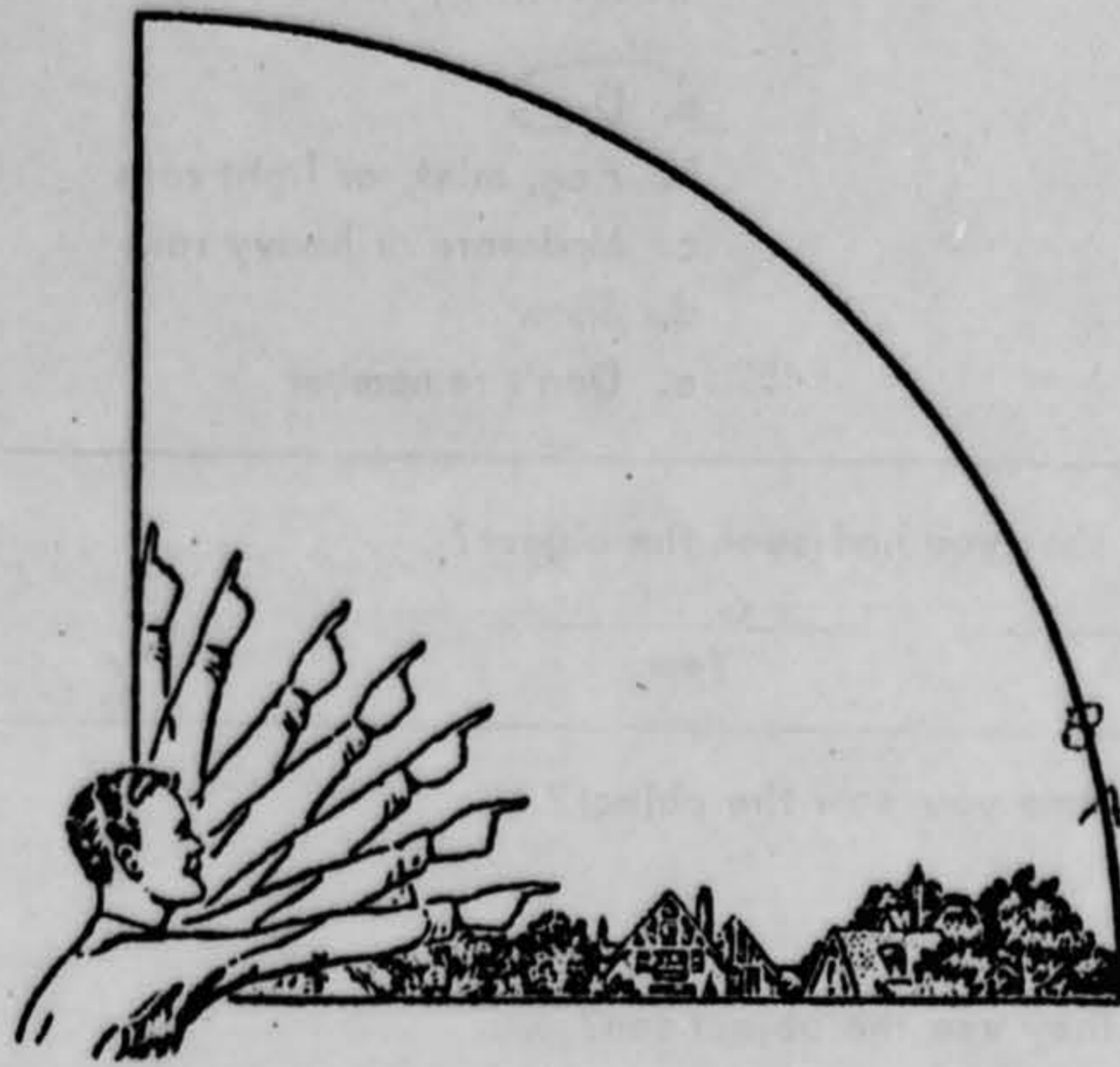
THANKSGIVING Night AT 1105 P.M. Night  
Same as above.

38. In your opinion what do you think the object was and what might have caused it?

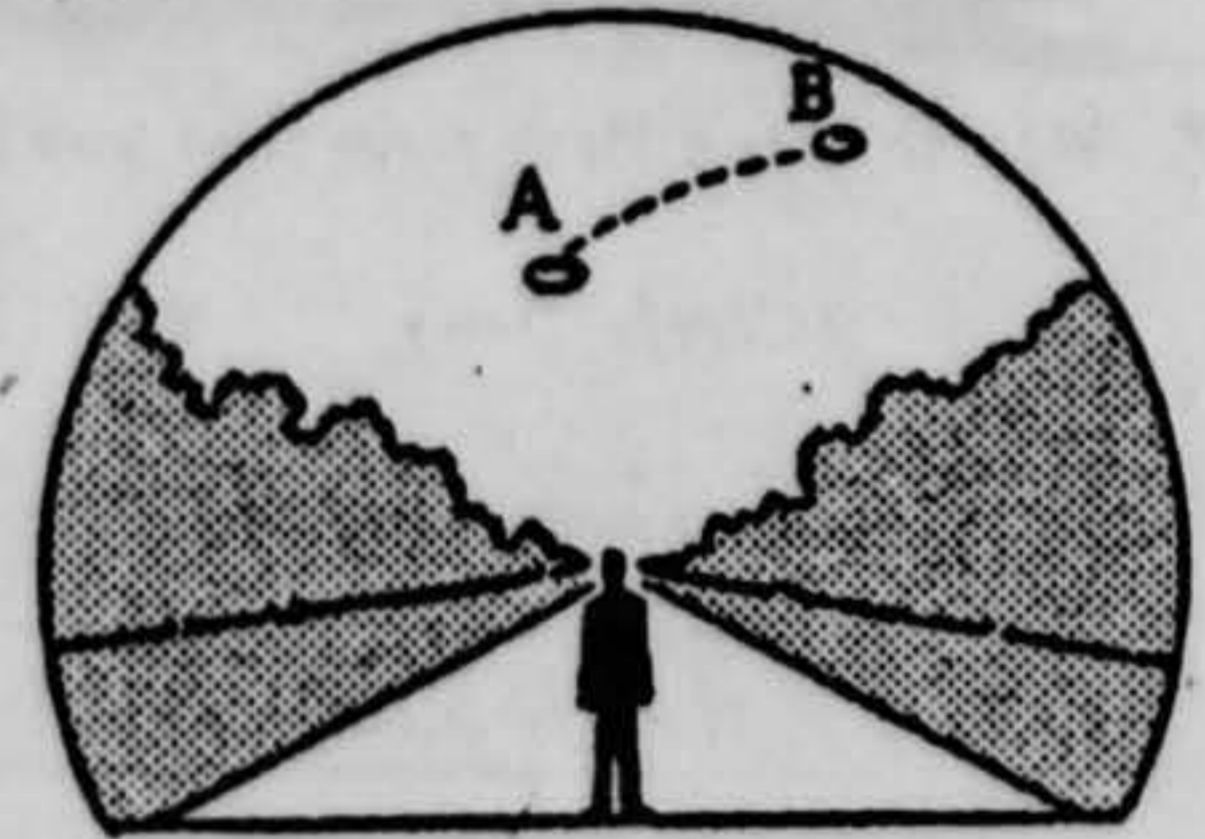
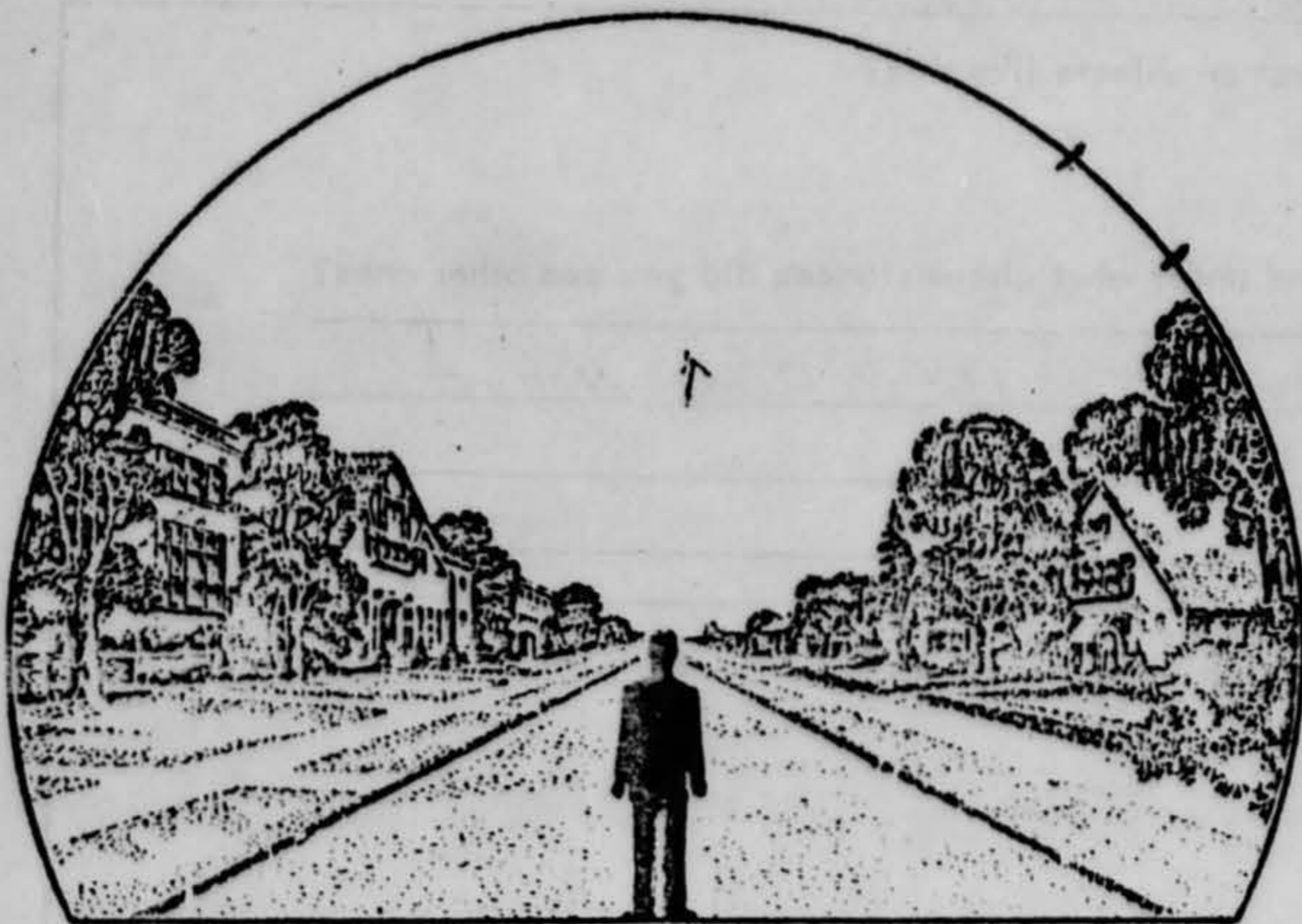
Have no idea.



32. 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.



33. In the following larger sketch place an "A" at the position the object was when you *first* saw it, and a "B" at its position when you *last* saw it. Refer to smaller sketch as an example of how to complete the larger sketch.



**U.S. AIR FORCE TECHNICAL INFORMATION SHEET**  
**(SUMMARY DATA)**

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the event that you observed. You may repeat information that you have already given in the questionnaire, and add any further comments, statements, or sketches that you believe are important. Try to present the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.

NAME \_\_\_\_\_

(Please Print)

SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

*(Do Not Write in This Space)*

CODE:

39. 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? \_\_\_\_\_

40. 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? 200 to 300 FT.

41. Please give the following information about yourself:

NAME [REDACTED] [REDACTED] \_\_\_\_\_  
Last Name First Name Middle Name

ADDRESS [REDACTED] AKRON 14 OHIO  
Street City Zone State

TELEPHONE NUMBER [REDACTED]

Age 46 Sex Male

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

42. Date you completed this questionnaire:

23 3 61  
Day Month Year

Witnessed  
[REDACTED]

SLIDES

JAN. 21, 1961

AKRON, Ohio

Observer: Pulliam

FILE # 1003573

~~The ecology of *A. d. d. v. s. t. a. n. e. l. s. l. e. d.*~~

Retained in file.

1975

AKRON, OHIO

21 Jan 61

CASE INCLUDES

18 ADIABATIC CHARTS

25 COLOR SLIDES (IN  
separate folder)

Table with columns labeled 'MAY 1951' through 'MAY 1952' and rows labeled 'MAY 1951' through 'MAY 1952'. The table contains numerical data points, likely representing a time series or experimental results. The data is organized in a grid format with diagonal lines separating the columns and rows.

DEPARTMENT OF THE AIR FORCE  
OFFICE OF THE SECRETARY

MEMORANDUM

MEMORANDUM:

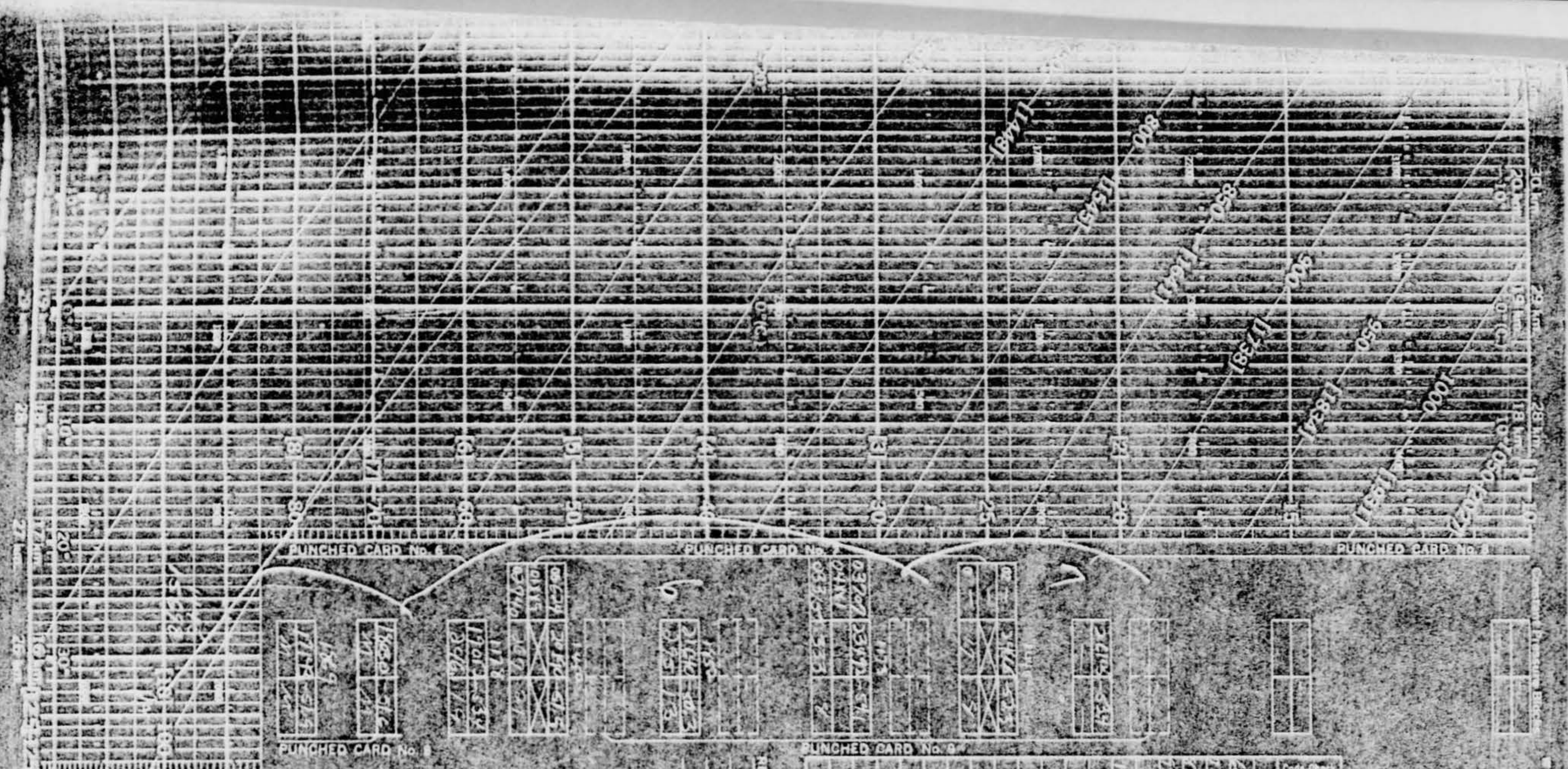
Forwarded a copy of this ATIC evaluation to  
SAFLL (L/C Poe) 21 April 1961.

WTC

MEMPHIS

U.S. DEPARTMENT OF COMMERCE  
MARITIME DIVISION

ADMEANTIC CHART



DATE: 01 DEC 66

TIME	LATITUDE	LONGITUDE	DEPTH	SPEED	DRIFT	WIND	SEAS	SWELL	TEMP	WIND	SWELL	TEMP	WIND	SWELL	TEMP
0000	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0100	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0200	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0300	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0400	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0500	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0600	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0700	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0800	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
0900	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1000	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1100	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1200	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1300	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1400	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1500	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1600	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1700	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1800	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
1900	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2000	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2100	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2200	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2300	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2400	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2500	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2600	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2700	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2800	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
2900	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
3000	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
3100	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
3200	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10
3300	30.00	95.00	10	10	000	10	M	M	10	10	M	10	10	M	10

REMARKS:

LEGEND FOR CONSTANT PRESSURE RECORDS  
 (Circled number) = Depth of observation  
 (S) = Surface  
 (M) = Mid-depth  
 (B) = Bottom

LEGEND FOR PLOTTER CURVES  
 A - Pressure  
 B - Temperature  
 C - Salinity  
 D - Density  
 E - Wind  
 F - Visibility  
 G - Clouds  
 H - Barometer

Date: 28 Nov 66  
 Name of Vessel: 60100  
 Name of Observer: [unclear]  
 Name of Ship: [unclear]

DATE AND RELEASE TIME

Date	Time	Latitude	Longitude	Pressure	Temp	Sal	Density	Wind	Visib	Clouds	Barom
28	1000	30.00	95.00	1010	10	34	1.023	10	10	M	10
28	1500	30.00	95.00	1010	10	34	1.023	10	10	M	10
28	2000	30.00	95.00	1010	10	34	1.023	10	10	M	10
28	2500	30.00	95.00	1010	10	34	1.023	10	10	M	10

PITTSBURGH, PA  
 (Coastal - Pittsburgh Airport)  
 AD-301N  
 BOGSAW



1050  
9 km  
8 km  
7 km  
6 km  
5 km  
4 km  
3 km  
2 km  
1 km



100

200

300

800

900

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL BUREAU OF STANDARDS  
**ADMEANTIC CHART**

EXERCISE SPECIAL WEATHER

TIME	TEMP	WIND	SEA	WAVE	SWELL	RELATIVE HUMIDITY
0000	14.0	1	1	1	1	75
0300	14.0	1	1	1	1	75
0600	14.0	1	1	1	1	75
0900	14.0	1	1	1	1	75
1200	14.0	1	1	1	1	75
1500	14.0	1	1	1	1	75
1800	14.0	1	1	1	1	75
2100	14.0	1	1	1	1	75

COPIES DESTROYED FOR THE REASON:  
 THE ABOVE BLENDED WITH OTHER  
 DATA FOR THE YEAR 1961  
 AND WILL BE AVAILABLE FOR  
 THE YEAR 1961 ONLY  
 THE YEAR 1961 ONLY  
 THE YEAR 1961 ONLY  
 THE YEAR 1961 ONLY

LEGEND FOR CONDENSED PRESSURE LOGS

TIME	TEMP	WIND	SEA	WAVE	SWELL	RELATIVE HUMIDITY
0000	14.0	1	1	1	1	75
0300	14.0	1	1	1	1	75
0600	14.0	1	1	1	1	75
0900	14.0	1	1	1	1	75
1200	14.0	1	1	1	1	75
1500	14.0	1	1	1	1	75
1800	14.0	1	1	1	1	75
2100	14.0	1	1	1	1	75

LEGEND FOR FOLDED CHARTS  
 R. C. McS

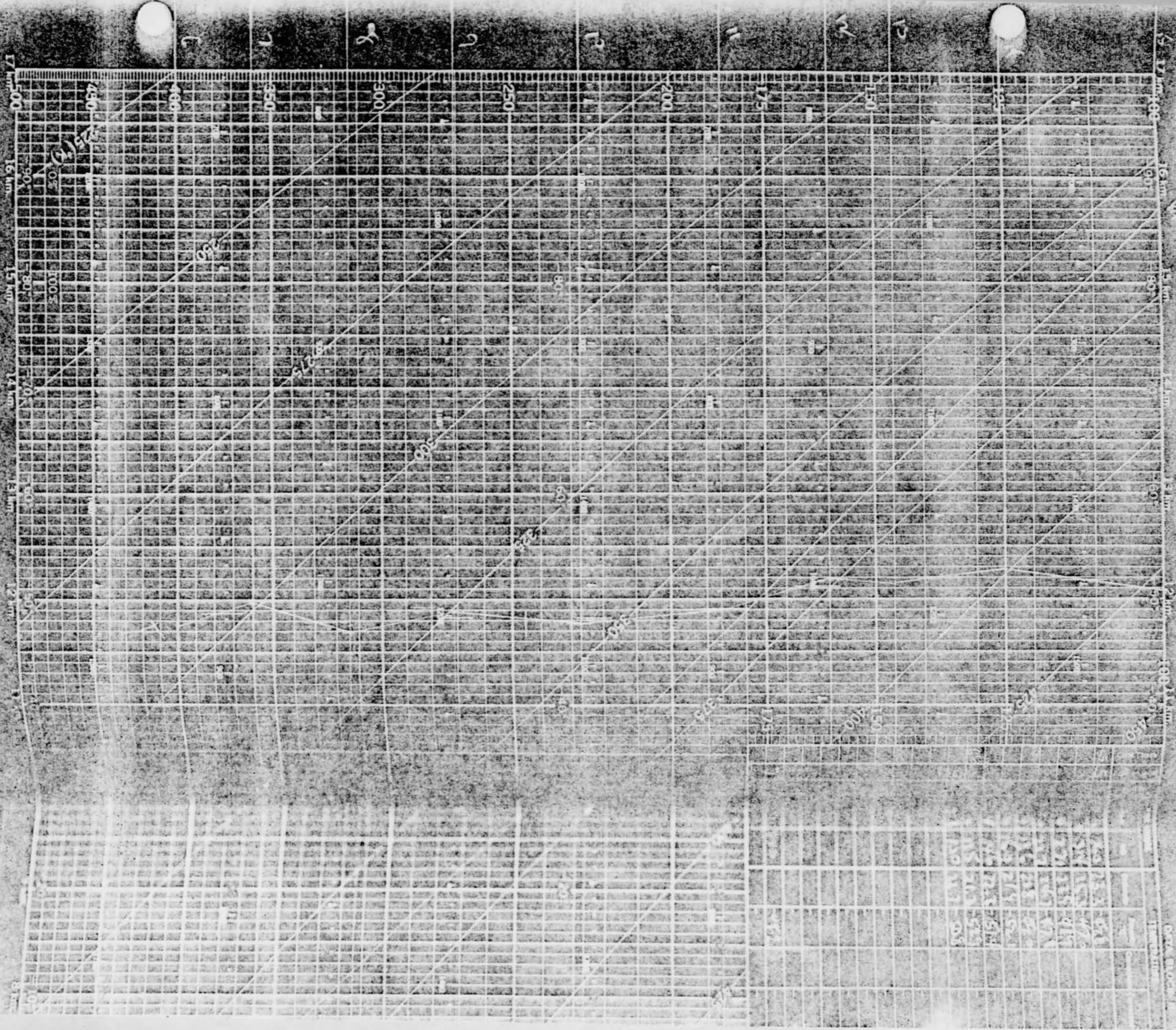
DATE AND WEATHER TIME

DATE	TIME	TEMP	WIND	SEA	WAVE	SWELL	RELATIVE HUMIDITY
1961	JAN 21	14.0	1	1	1	1	75
1961	JAN 21	14.0	1	1	1	1	75

PITTSBURGH, PA  
 ROSSON BOISAW

STRAPE ORIENTATION RELEASE

MEASUREMENT	DATE	TIME	TEMP	WIND	SEA	WAVE	SWELL	RELATIVE HUMIDITY
1050	1961	JAN 21	14.0	1	1	1	1	75
1000	1961	JAN 21	14.0	1	1	1	1	75
950	1961	JAN 21	14.0	1	1	1	1	75
900	1961	JAN 21	14.0	1	1	1	1	75
850	1961	JAN 21	14.0	1	1	1	1	75
800	1961	JAN 21	14.0	1	1	1	1	75
750	1961	JAN 21	14.0	1	1	1	1	75
700	1961	JAN 21	14.0	1	1	1	1	75



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J L O P R S T U V W X Y Z

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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
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U.S. DEPARTMENT OF COMMERCE  
Weather Bureau

### ADIABATIC CHART

Scale of Adiabats from 1000 to 100 mb

1000	1000
950	950
900	900
850	850
800	800
750	750
700	700
650	650
600	600
550	550
500	500
450	450
400	400
350	350
300	300
250	250
200	200
150	150
100	100
50	50
0	0

COPIED LEGEND FOR PUNCHED CARDS

STATION	6017
DATE	01/01/51
TIME	0000
TYPE	AD
NO.	0001
NAME	AD
OFFICE	AD
STATE	AD
CITY	AD
COUNTY	AD
ZIP	AD
STATION	AD
DATE	AD
TIME	AD
TYPE	AD
NO.	AD
NAME	AD
OFFICE	AD
STATE	AD
CITY	AD
COUNTY	AD
ZIP	AD

LEGEND FOR CONICAL PRESSURE SLICES

DATE	01/01/51
TIME	0000
TYPE	AD
NO.	0001
NAME	AD
OFFICE	AD
STATE	AD
CITY	AD
COUNTY	AD
ZIP	AD

LEGEND FOR PUNCHED CARDS

LEGEND FOR PUNCHED CARDS

STATION: *Pittsburgh*

DATE: *01/01/51*

TIME: *0000*

TYPE: *AD*

NO.: *0001*

NAME: *AD*

OFFICE: *AD*

STATE: *AD*

CITY: *AD*

COUNTY: *AD*

ZIP: *AD*

DATE AND RELEASE TIME

DATE	01/01/51
TIME	0000
TYPE	AD
NO.	0001
NAME	AD
OFFICE	AD
STATE	AD
CITY	AD
COUNTY	AD
ZIP	AD

PITTSBURGH PA  
 (Continued from page 1)

ADSON 101 8015W

PUNCHED CARD NO. 1

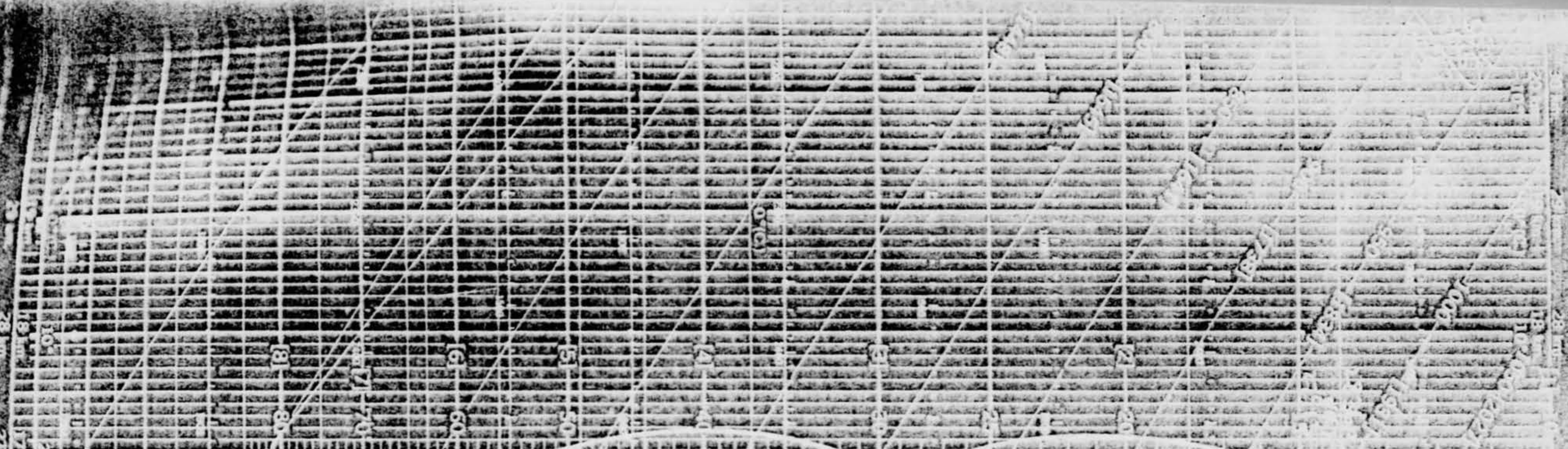
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DATE	01/01/51
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TYPE	AD
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NAME	AD
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CITY	AD
COUNTY	AD
ZIP	AD

PUNCHED CARD NO. 2

STATION	6017
DATE	01/01/51
TIME	0000
TYPE	AD
NO.	0001
NAME	AD
OFFICE	AD
STATE	AD
CITY	AD
COUNTY	AD
ZIP	AD

JUN 25 JUN 26 JUN 27 JUN 28 JUN 29 JUN 30 JUL 1 JUL 2 JUL 3 JUL 4 JUL 5 JUL 6 JUL 7 JUL 8 JUL 9 JUL 10 JUL 11 JUL 12 JUL 13 JUL 14 JUL 15 JUL 16 JUL 17 JUL 18 JUL 19 JUL 20 JUL 21 JUL 22 JUL 23 JUL 24 JUL 25 JUL 26 JUL 27 JUL 28 JUL 29 JUL 30

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	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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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	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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PUNCHED CARD No. 2  
 PUNCHED CARD No. 2

PUNCHED CARD No. 1  
 PUNCHED CARD No. 1

PUNCHED CARD No. 3  
 PUNCHED CARD No. 3

DATA RECORD										
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LEADS FOR COLLECTING PRESSURE RECORD  
 DATE: 10/24/53  
 LOCATION: PITTSBURGH, PA  
 OPERATOR: [Name]  
 TITLE: [Name]  
 COMPANY: [Name]

LEADS FOR PLOTING CURVES  
 DATE: [Date]  
 LOCATION: [Location]  
 OPERATOR: [Name]  
 TITLE: [Name]  
 COMPANY: [Name]

*RIDGEMAN*

DATE	REL	TIME
1961	250	12:15
1961	250	12:30
1961	250	12:45
1961	250	13:00
1961	250	13:15
1961	250	13:30
1961	250	13:45
1961	250	14:00
1961	250	14:15
1961	250	14:30
1961	250	14:45
1961	250	15:00
1961	250	15:15
1961	250	15:30
1961	250	15:45
1961	250	16:00

PITTSBURGH, PA  
 [Name]  
 [Name]  
 [Name]  
 [Name]

**ADDAEATIC CHART**

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL BUREAU OF STANDARDS  
 WASHINGTON, D.C. 20540

WASHDC

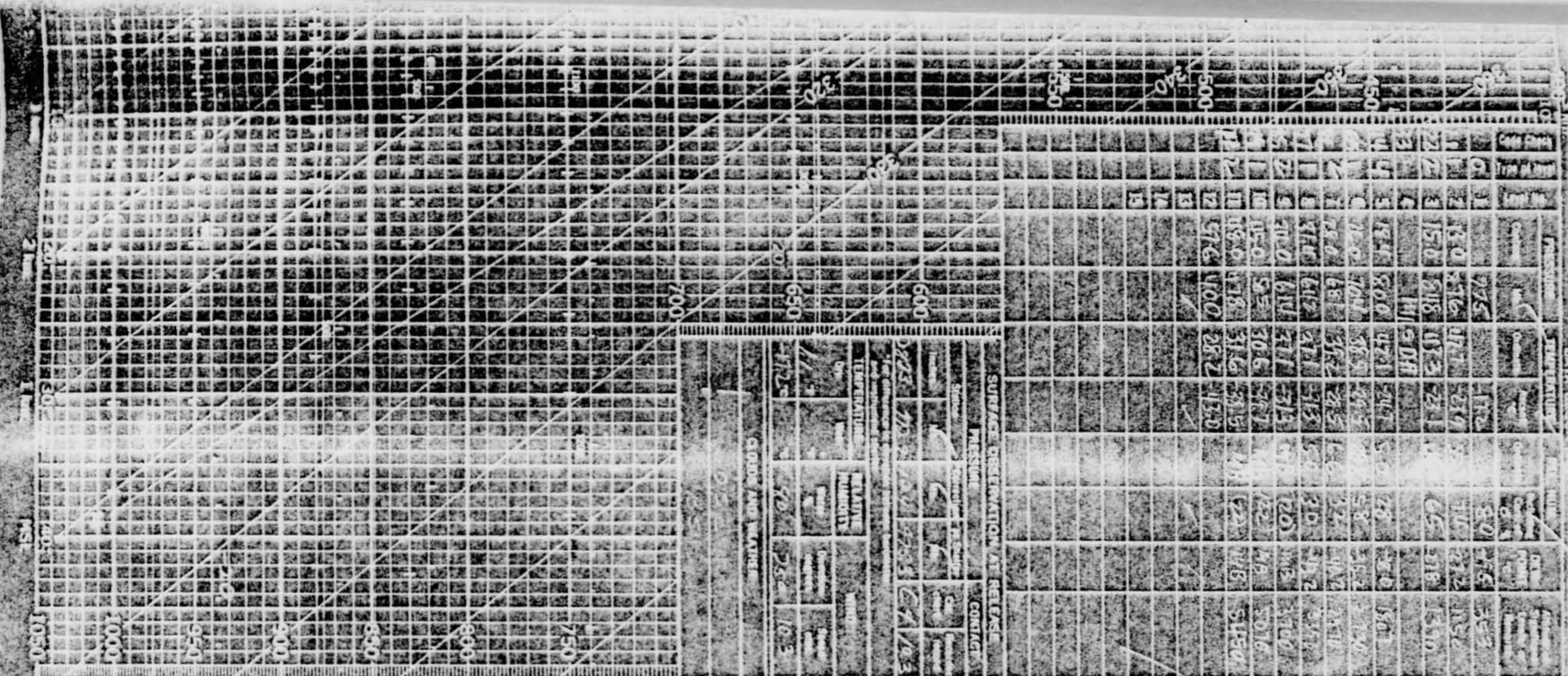
Grid with handwritten numbers and text. Includes labels like 'UN 6', 'UN 7', 'UN 8', 'UN 9', 'UN 10', 'UN 11', 'UN 12' along the left edge. The grid contains various numerical entries and some text, such as 'UN 6', 'UN 7', 'UN 8', 'UN 9', 'UN 10', 'UN 11', 'UN 12'.

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UN 6 UN 7 UN 8 UN 9 UN 10 UN 11 UN 12

Grid with handwritten numbers and text. Includes labels like 'UN 6', 'UN 7', 'UN 8', 'UN 9', 'UN 10', 'UN 11', 'UN 12' along the left edge. The grid contains various numerical entries and some text, such as 'UN 6', 'UN 7', 'UN 8', 'UN 9', 'UN 10', 'UN 11', 'UN 12'.

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PUNCHED CARD NO. 1		PUNCHED CARD NO. 2		PUNCHED CARD NO. 3		PUNCHED CARD NO. 4	
1000	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000

**ADIABATIC CHART**

U.S. DEPARTMENT OF COMMERCE  
Weather Bureau

**LEGEND FOR CONSTANT PRESSURE IN OZS**

**LEGEND FOR MIXED UNITS**

**RELATIVE HUMIDITY**

**TEMPERATURE**

**WIND**

**PRESSURE**

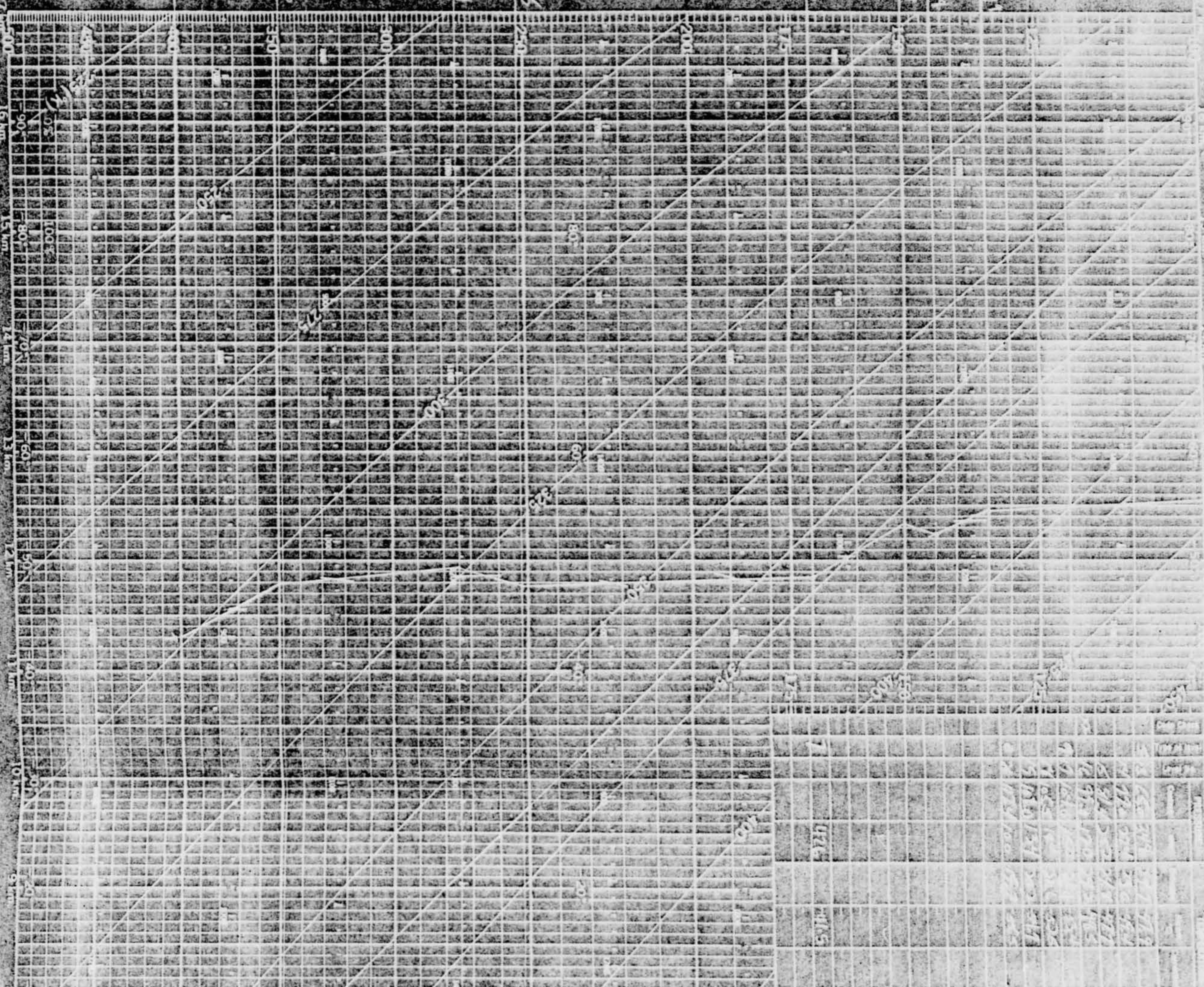
**WIND DIRECTION**

**CORRECTION FOR TRANSMISSION**

**STATION INFORMATION:**  
 NAME: PITTSBURGH, PA  
 LOCATION: Greater Pittsburgh Area  
 ELEVATION: 483 FT  
 TIME: 8013 AM



0 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



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
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

AEROSPACE TECHNICAL INTELLIGENCE CENTER  
UNITED STATES AIR FORCE  
WRIGHT-PATTERSON AIR FORCE BASE  
OHIO



REPLY TO  
ATTN OF: AFCIN-4E

SUBJECT: UFO Sighting (Akron, Ohio, 21 January 1961)

13 APR 1961

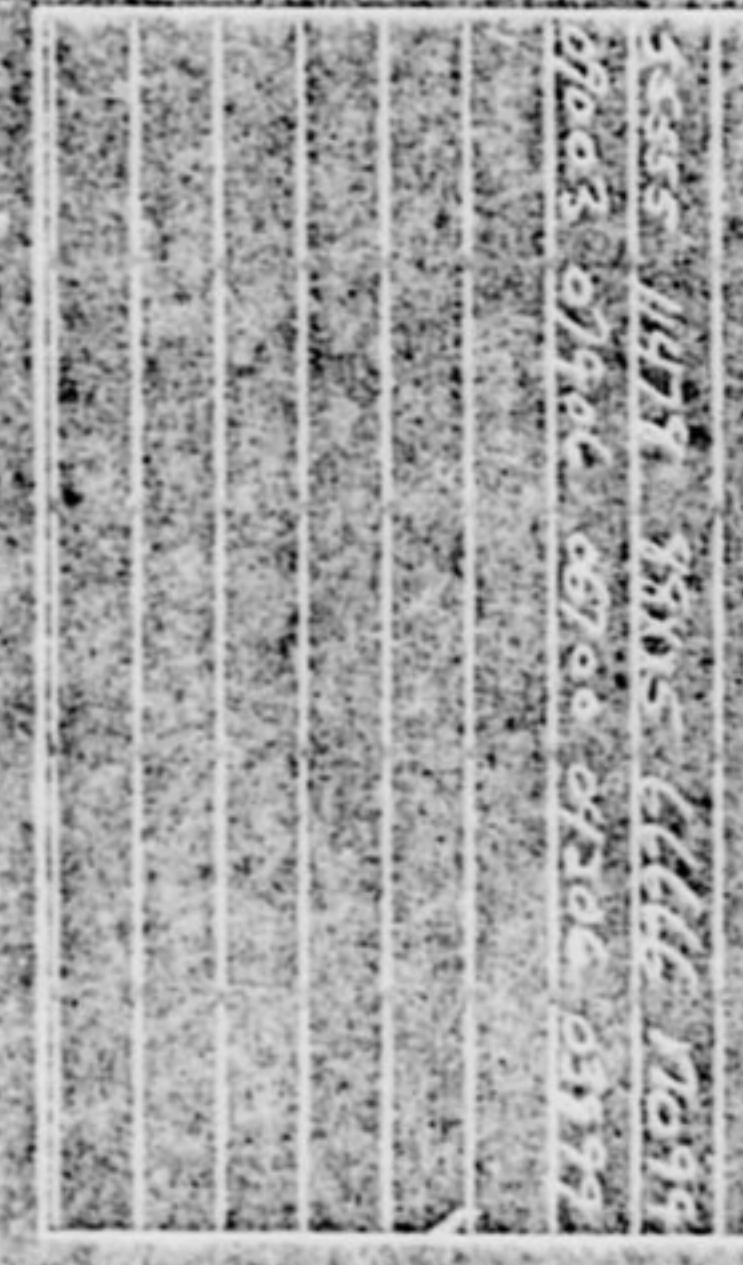
TO: SAFOI-3d (Major Coleman)

1. During March 1961 your office forwarded a tape recording to ATIC which was prepared by Mr. [REDACTED] of Akron, Ohio, concerning the subject of Unidentified Flying Objects. The tape contained specific information about a sighting which occurred in Akron, Ohio, on the night of 21 January 1961. Mr. [REDACTED] forwarded a copy of this tape to the President of the United States and also to several members of Congress. This case was not brought to the attention of the Air Force except through Mr. [REDACTED] tape recording which reached ATIC on 14 March 1961.
2. On 21 March 1961 two officers were dispatched from ATIC to Akron for the purpose of investigating the 21 January 1961 UFO sighting. From the data collected by the investigators it was determined that the UFO sighting resulted from the misidentification of the setting moon due to atmospheric refraction.
3. The Air Force investigators interviewed Mr. J. [REDACTED] whose account of the sighting is on the [REDACTED] tape recording. Mr. [REDACTED] was contacted and his taped accounts of the sighting by Mr. and Mrs. [REDACTED], Mrs. [REDACTED] and her eleven years old daughter, [REDACTED] Mr. and Mrs. [REDACTED], and Mr. and Mrs. [REDACTED] were run off for the investigators. The information from the witnesses was generally consistent; the object being sighted between 2230 and 2300, appearing as a red-orange object just to the north of west and very low on the horizon. The object was further described by all witnesses as appearing like a circle or plate with the top cut off and approximately five times the size of the moon. The sighting was reported to have lasted approximately fifteen minutes.
4. On 21 January 1961 at 2258 the weather at the Akron-Canton Airport was a 2000 foot overcast composed of stratocumulus clouds, the visibility was 7 miles, and the temperature was 7°F. The witnesses stated that in Akron it was partly cloudy rather than overcast; however, the most significant point is the presence of stratiform clouds which are indicative of stable conditions (inversions). Inversions increase the index of refraction of the atmosphere.
5. On 21 January 1961 official moonset at Akron was 2304. This time, of course, can deviate due to topographical conditions, manmade structures and the vantage point of the observer; however, these deviations are

ADIABATIC CHART



GRID NUMBER: 100  
 PUNCH CARD NO. 1



GRID NUMBER: 100  
 PUNCH CARD NO. 1

LEGEND FOR CONSTANT PRESSURE BLOCK:  
 1000 PSIA  
 1000 PSIG  
 1000 PSID  
 1000 PSIA (1000 PSIG + 14.7)

LEGEND FOR ROTATED CURVE:  
 1000 PSIA  
 1000 PSIG  
 1000 PSID  
 1000 PSIA (1000 PSIG + 14.7)

PUNCH CARD NO. 1

DATE AND RELEASE TIME

15	1968	JAN	22	10:30 AM
16	1968	JAN	22	11:30 AM

PITTSBURGH, PA  
 4030N 11807E AM  
 Pittsburgh, Pa. 15201

Table with columns for dates (e.g., JUN 12, JUN 13, JUN 14) and rows of data. The table is heavily obscured by a grid pattern and diagonal lines, making the content illegible.

31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

100 100.5 101 101.5 102 102.5 103 103.5 104 104.5 105 105.5 106 106.5 107 107.5 108 108.5 109 110

110 111 112 113 114 115 116 117 118 119 120

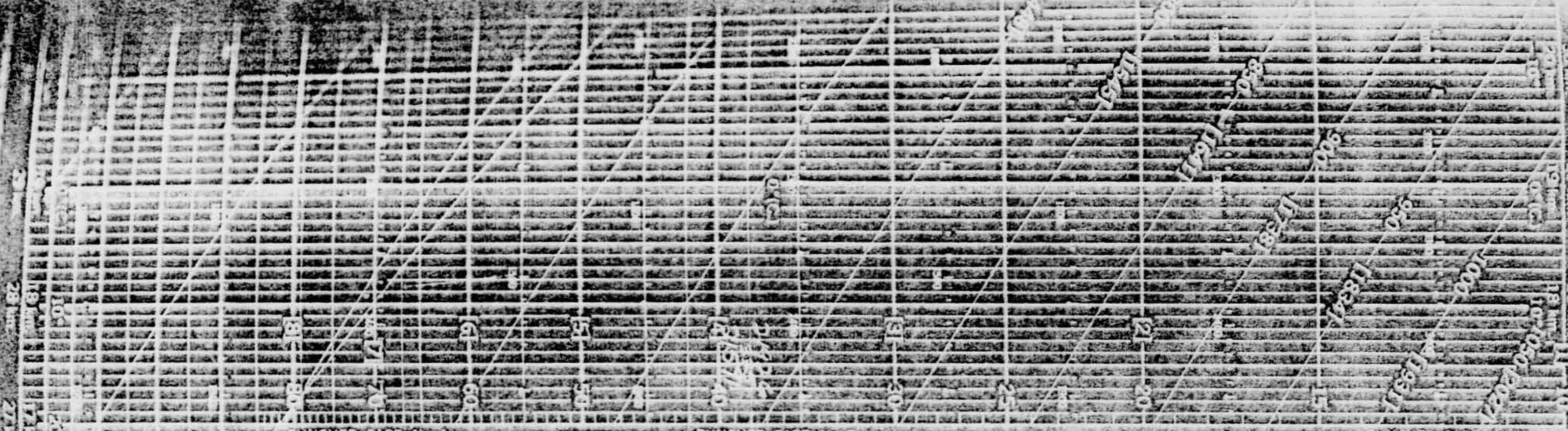
WEAVERSIC

U.S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU

# ADIABATIC CHART

DATE: 11/23/54

TEMPERATURE (°F)	WIND SPEED (MPH)	WIND DIRECTION	WIND VELOCITY (MPH)	WIND VELOCITY (KTS)	WIND VELOCITY (MPS)
33					
31	21.0	10	21.2	20.7	
29	20.0	11	20.1	19.6	
27	18.0	11	18.1	17.5	
25	16.0	11	16.1	15.4	
23	14.0	11	14.1	13.3	
21	12.0	11	12.1	11.2	
19	10.0	11	10.1	9.1	
17	8.0	11	8.1	7.0	
15	6.0	11	6.1	4.9	
13	4.0	11	4.1	2.8	
11	2.0	11	2.1	0.7	
9	0.0	11	0.1	-1.4	
7					
5					
3					
1					
-1					
-3					
-5					
-7					
-9					
-11					
-13					
-15					
-17					
-19					
-21					
-23					
-25					
-27					
-29					
-31					
-33					



LEGEND FOR CONSTANT PRESSURE BLOCKS

TEMPERATURE (°F)	WIND SPEED (MPH)	WIND DIRECTION	WIND VELOCITY (MPH)	WIND VELOCITY (KTS)	WIND VELOCITY (MPS)
33					
31					
29					
27					
25					
23					
21					
19					
17					
15					
13					
11					
9					
7					
5					
3					
1					
-1					
-3					
-5					
-7					
-9					
-11					
-13					
-15					
-17					
-19					
-21					
-23					
-25					
-27					
-29					
-31					
-33					

LEGEND FOR WETTED CURVES

DATE: 11/23/54

NAME: J. P. McNeill

DATE AND TIME OF FIX

DATE	TIME	FIX
56	JAN 23	06:35
56	JAN 23	17:35

JANESBURGH, PA

ADSON 80323W

FR-1

3

1

1

1

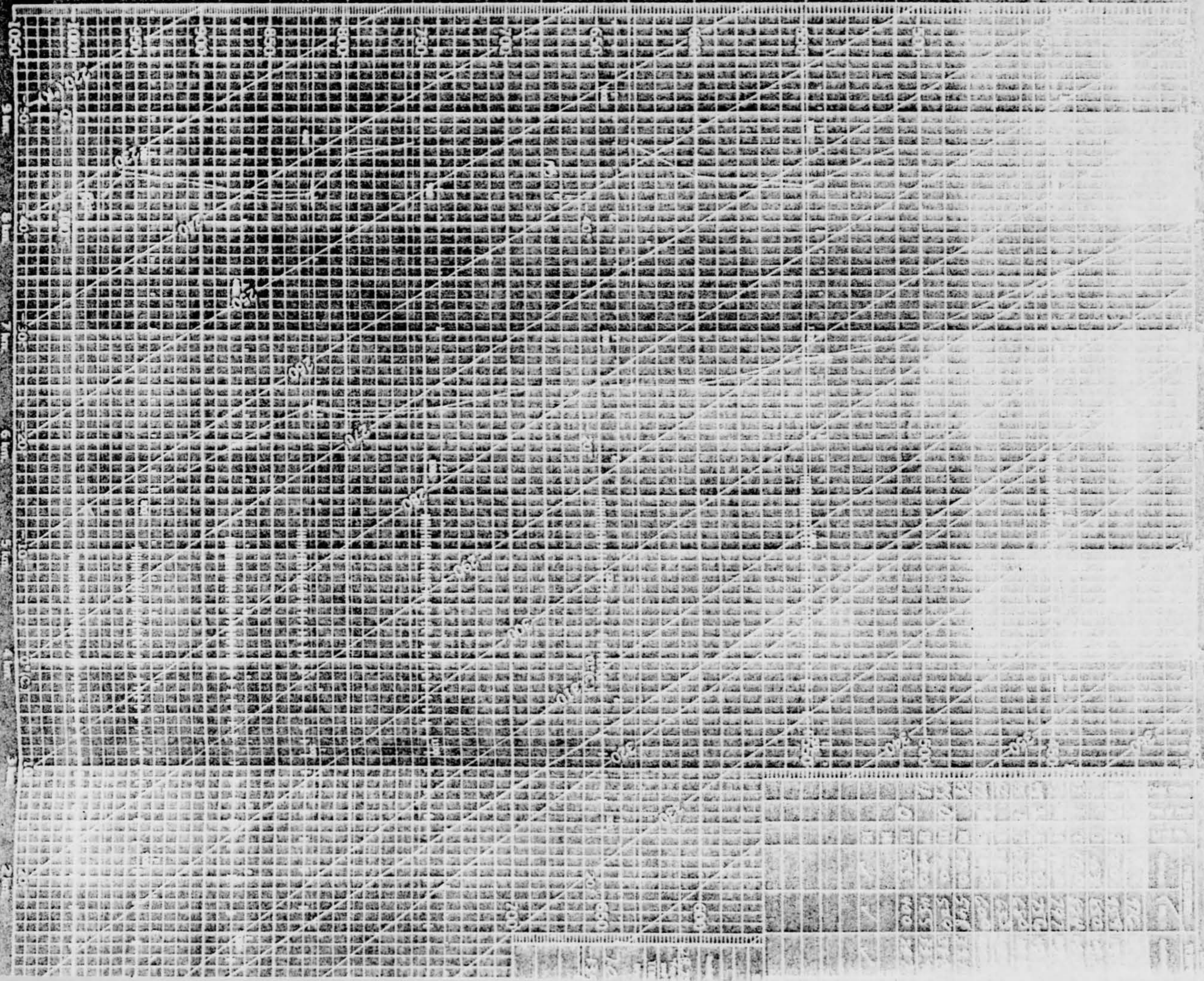
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1

1

1

1



1050

9

8

7

6

5

4

3

2

U.S. DEPARTMENT OF COMMERCE  
 BUREAU OF METEOROLOGY  
**ADIABATIC CHART**

LOG P, T, T<sub>d</sub>, T<sub>w</sub>, T<sub>m</sub>, T<sub>s</sub>, T<sub>r</sub>, T<sub>z</sub>, T<sub>z</sub>

P	T	T <sub>d</sub>	T <sub>w</sub>	T <sub>m</sub>	T <sub>s</sub>	T <sub>r</sub>	T <sub>z</sub>	T <sub>z</sub>
1000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
900	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
800	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
700	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
600	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
500	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
400	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
300	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
200	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
100	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

CODED MESSAGE FORM (1953)

CALL LETTERS: *1234567890*  
 NAME: *1234567890*  
 ADDRESS: *1234567890*  
 CITY: *1234567890*  
 STATE: *1234567890*  
 COUNTRY: *1234567890*  
 PHONE: *1234567890*  
 TELETYPE: *1234567890*  
 RADIO: *1234567890*  
 TELEVISION: *1234567890*  
 OTHER: *1234567890*

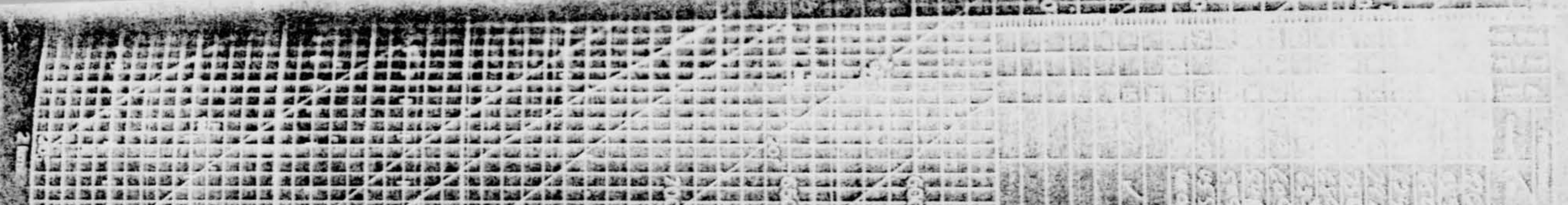
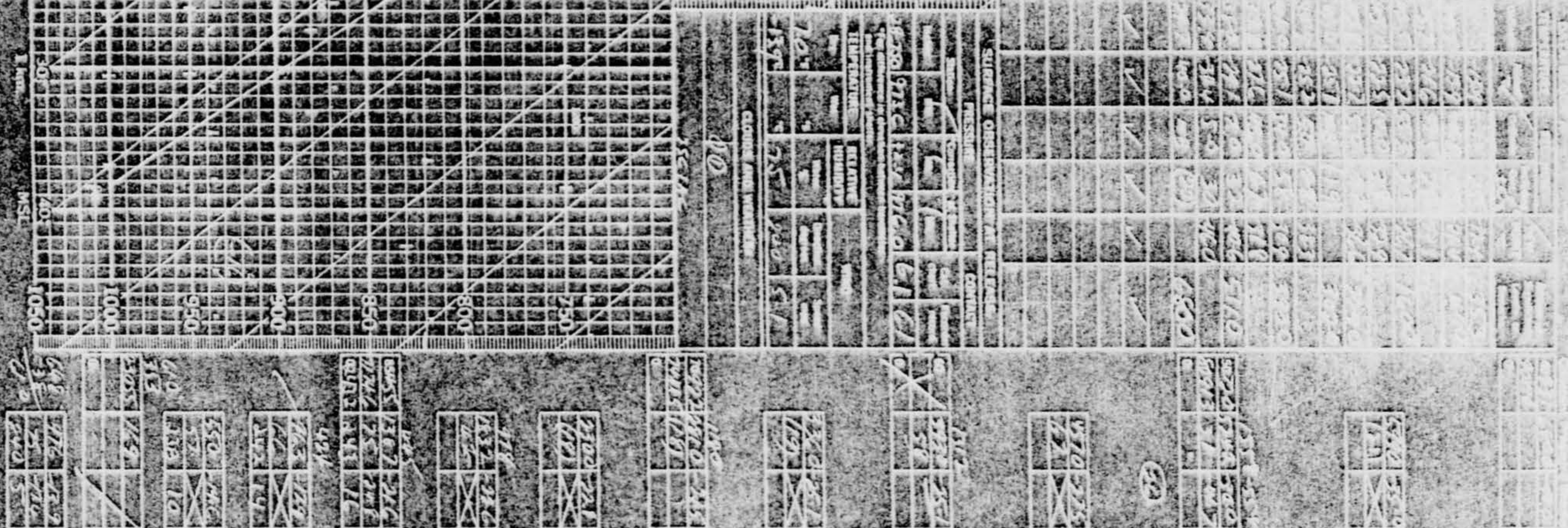
LEGEND FOR FLIGHT CURVES

Symbol	Description
○	Surface
□	1000 ft
△	2000 ft
◇	3000 ft
×	4000 ft
+	5000 ft
•	6000 ft
◊	7000 ft
◢	8000 ft
◣	9000 ft
◤	10000 ft
◥	11000 ft
◦	12000 ft
◐	13000 ft
◑	14000 ft
◒	15000 ft
◓	16000 ft
◔	17000 ft
◕	18000 ft
◖	19000 ft
◗	20000 ft
◘	21000 ft
◙	22000 ft
◚	23000 ft
◛	24000 ft
◜	25000 ft
◝	26000 ft
◞	27000 ft
◟	28000 ft
◠	29000 ft
◡	30000 ft

*W. D. Page*  
*R. C. Hall*

**PITTSBURGH**  
 General Pittsburgh Airport  
 40730N 8017W

DATE AND TIME: *1981 JAN 23 1123*  
 TO: *1981 JAN 23 1123*  
 FROM: *1981 JAN 23 1123*  
 SUBJECT: *1981 JAN 23 1123*







Year	Month	Day	Hour	Temp	Wind	Pressure	Humidity	Clouds	Remarks
1946	Jan	1	0100	32	10	30.05	85	8	B21
1946	Jan	2	0100	32	10	30.05	85	8	B21
1946	Jan	3	0100	32	10	30.05	85	8	B21
1946	Jan	4	0100	32	10	30.05	85	8	B21
1946	Jan	5	0100	32	10	30.05	85	8	B21
1946	Jan	6	0100	32	10	30.05	85	8	B21
1946	Jan	7	0100	32	10	30.05	85	8	B21
1946	Jan	8	0100	32	10	30.05	85	8	B21
1946	Jan	9	0100	32	10	30.05	85	8	B21
1946	Jan	10	0100	32	10	30.05	85	8	B21
1946	Jan	11	0100	32	10	30.05	85	8	B21
1946	Jan	12	0100	32	10	30.05	85	8	B21
1946	Jan	13	0100	32	10	30.05	85	8	B21
1946	Jan	14	0100	32	10	30.05	85	8	B21
1946	Jan	15	0100	32	10	30.05	85	8	B21
1946	Jan	16	0100	32	10	30.05	85	8	B21
1946	Jan	17	0100	32	10	30.05	85	8	B21
1946	Jan	18	0100	32	10	30.05	85	8	B21
1946	Jan	19	0100	32	10	30.05	85	8	B21
1946	Jan	20	0100	32	10	30.05	85	8	B21
1946	Jan	21	0100	32	10	30.05	85	8	B21
1946	Jan	22	0100	32	10	30.05	85	8	B21
1946	Jan	23	0100	32	10	30.05	85	8	B21
1946	Jan	24	0100	32	10	30.05	85	8	B21
1946	Jan	25	0100	32	10	30.05	85	8	B21
1946	Jan	26	0100	32	10	30.05	85	8	B21
1946	Jan	27	0100	32	10	30.05	85	8	B21
1946	Jan	28	0100	32	10	30.05	85	8	B21
1946	Jan	29	0100	32	10	30.05	85	8	B21
1946	Jan	30	0100	32	10	30.05	85	8	B21
1946	Jan	31	0100	32	10	30.05	85	8	B21

CONSTANT PRESSURE CURVES  
 30.05  
 30.00  
 29.95  
 29.90

1946  
 30.05  
 30.00  
 29.95  
 29.90

1946  
 30.05  
 30.00  
 29.95  
 29.90

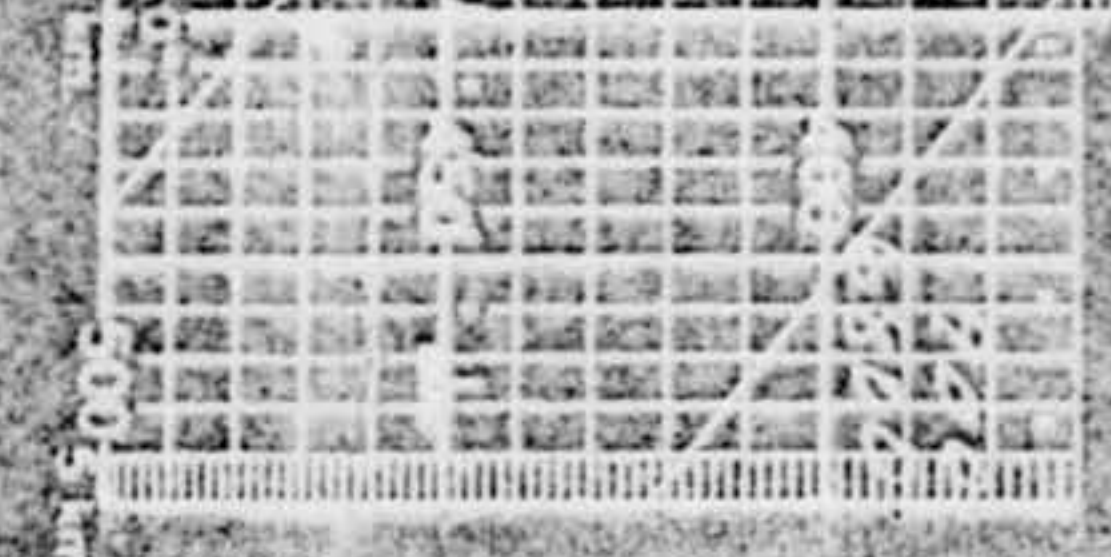
1946  
 30.05  
 30.00  
 29.95  
 29.90

1946  
 30.05  
 30.00  
 29.95  
 29.90

1946  
 30.05  
 30.00  
 29.95  
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1946  
 30.05  
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 29.95  
 29.90

1946  
 30.05  
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 29.95  
 29.90



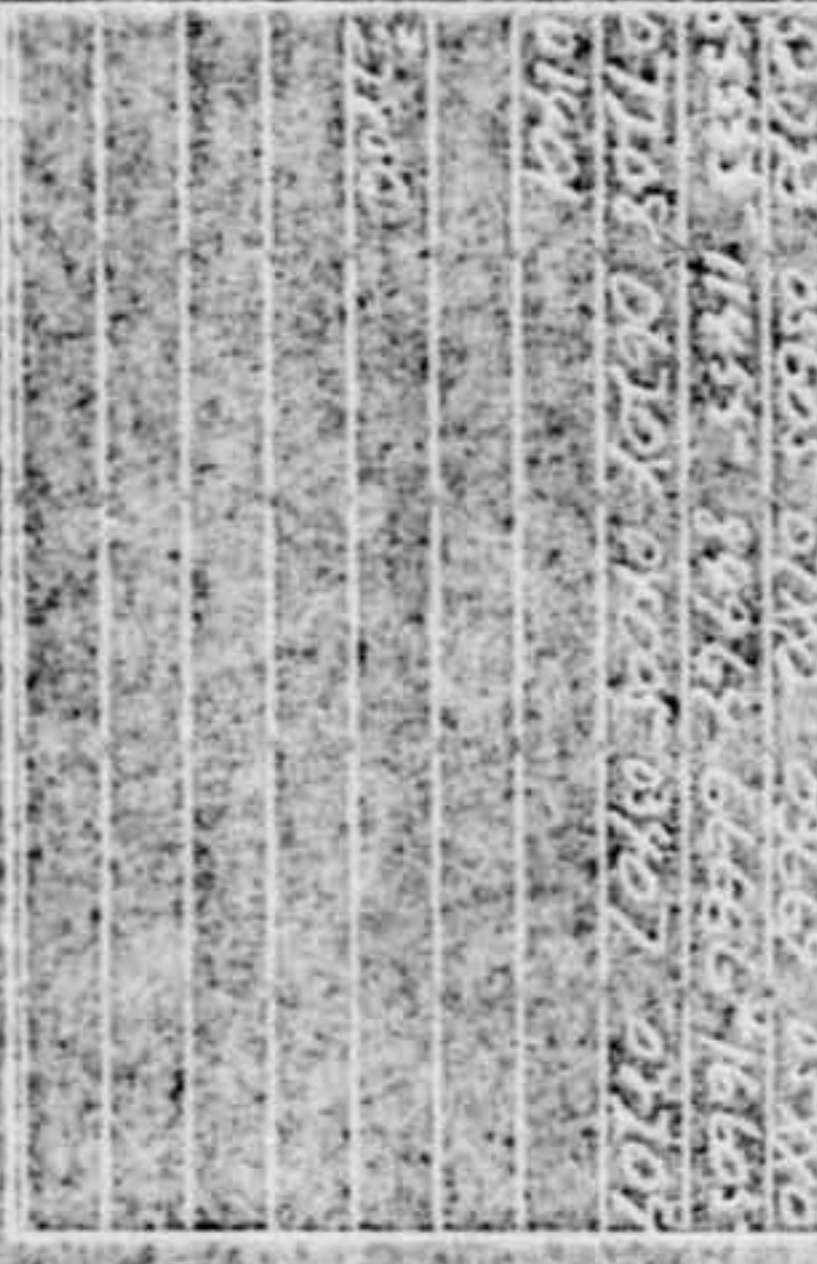
U.S. DEPARTMENT OF COMMERCE WEARABLE

WEATHER BUREAU

ADMETTIC CHART

Time	Temp	Wind	Pressure	Humidity	Clouds	Remarks
0100	32	10	30.05	85	8	B21
0200	32	10	30.05	85	8	B21
0300	32	10	30.05	85	8	B21
0400	32	10	30.05	85	8	B21
0500	32	10	30.05	85	8	B21
0600	32	10	30.05	85	8	B21
0700	32	10	30.05	85	8	B21
0800	32	10	30.05	85	8	B21
0900	32	10	30.05	85	8	B21
1000	32	10	30.05	85	8	B21
1100	32	10	30.05	85	8	B21
1200	32	10	30.05	85	8	B21
1300	32	10	30.05	85	8	B21
1400	32	10	30.05	85	8	B21
1500	32	10	30.05	85	8	B21
1600	32	10	30.05	85	8	B21
1700	32	10	30.05	85	8	B21
1800	32	10	30.05	85	8	B21
1900	32	10	30.05	85	8	B21
2000	32	10	30.05	85	8	B21
2100	32	10	30.05	85	8	B21
2200	32	10	30.05	85	8	B21
2300	32	10	30.05	85	8	B21
2400	32	10	30.05	85	8	B21

U.S. DEPARTMENT OF COMMERCE WEARABLE



LEGEND FOR CONSTANT PRESSURE CURVES

Pressure	Temp	Wind	Pressure	Humidity	Clouds	Remarks
30.05	32	10	30.05	85	8	B21
30.00	32	10	30.00	85	8	B21
29.95	32	10	29.95	85	8	B21
29.90	32	10	29.90	85	8	B21

LEGEND FOR PLOTTED CURVES

*R. C. Smith*  
 1946  
 30.05  
 30.00  
 29.95  
 29.90

DATE AND INITIALS

Date	Initials
31 JAN 28 1946	
31 JAN 29 1946	
31 JAN 30 1946	

PITTSBURGH PA  
 WEATHER BUREAU  
 WEARABLE

40-30IN 80-TEMP



U.S. DEPARTMENT OF COMMERCE  
HYDROGRAPHIC SURVEY

# ATLANTIC CHART

NO. 1115



PUNCHED CARD NO. 1

1137	378	1138	378	1139	378	1140	378	1141	378	1142	378	1143	378	1144	378	1145	378	1146	378	1147	378	1148	378	1149	378	1150	378	1151	378	1152	378	1153	378	1154	378	1155	378	1156	378	1157	378	1158	378	1159	378	1160	378	1161	378	1162	378	1163	378	1164	378	1165	378	1166	378	1167	378	1168	378	1169	378	1170	378	1171	378	1172	378	1173	378	1174	378	1175	378	1176	378	1177	378	1178	378	1179	378	1180	378	1181	378	1182	378	1183	378	1184	378	1185	378	1186	378	1187	378	1188	378	1189	378	1190	378	1191	378	1192	378	1193	378	1194	378	1195	378	1196	378	1197	378	1198	378	1199	378
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PUNCHED CARD NO. 2

1137	378	1138	378	1139	378	1140	378	1141	378	1142	378	1143	378	1144	378	1145	378	1146	378	1147	378	1148	378	1149	378	1150	378	1151	378	1152	378	1153	378	1154	378	1155	378	1156	378	1157	378	1158	378	1159	378	1160	378	1161	378	1162	378	1163	378	1164	378	1165	378	1166	378	1167	378	1168	378	1169	378	1170	378	1171	378	1172	378	1173	378	1174	378	1175	378	1176	378	1177	378	1178	378	1179	378	1180	378	1181	378	1182	378	1183	378	1184	378	1185	378	1186	378	1187	378	1188	378	1189	378	1190	378	1191	378	1192	378	1193	378	1194	378	1195	378	1196	378	1197	378	1198	378	1199	378
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PUNCHED CARD NO. 3

1137	378	1138	378	1139	378	1140	378	1141	378	1142	378	1143	378	1144	378	1145	378	1146	378	1147	378	1148	378	1149	378	1150	378	1151	378	1152	378	1153	378	1154	378	1155	378	1156	378	1157	378	1158	378	1159	378	1160	378	1161	378	1162	378	1163	378	1164	378	1165	378	1166	378	1167	378	1168	378	1169	378	1170	378	1171	378	1172	378	1173	378	1174	378	1175	378	1176	378	1177	378	1178	378	1179	378	1180	378	1181	378	1182	378	1183	378	1184	378	1185	378	1186	378	1187	378	1188	378	1189	378	1190	378	1191	378	1192	378	1193	378	1194	378	1195	378	1196	378	1197	378	1198	378	1199	378
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PUNCHED CARD NO. 4

1137	378	1138	378	1139	378	1140	378	1141	378	1142	378	1143	378	1144	378	1145	378	1146	378	1147	378	1148	378	1149	378	1150	378	1151	378	1152	378	1153	378	1154	378	1155	378	1156	378	1157	378	1158	378	1159	378	1160	378	1161	378	1162	378	1163	378	1164	378	1165	378	1166	378	1167	378	1168	378	1169	378	1170	378	1171	378	1172	378	1173	378	1174	378	1175	378	1176	378	1177	378	1178	378	1179	378	1180	378	1181	378	1182	378	1183	378	1184	378	1185	378	1186	378	1187	378	1188	378	1189	378	1190	378	1191	378	1192	378	1193	378	1194	378	1195	378	1196	378	1197	378	1198	378	1199	378
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PUNCHED CARD NO. 5

1137	378	1138	378	1139	378	1140	378	1141	378	1142	378	1143	378	1144	378	1145	378	1146	378	1147	378	1148	378	1149	378	1150	378	1151	378	1152	378	1153	378	1154	378	1155	378	1156	378	1157	378	1158	378	1159	378	1160	378	1161	378	1162	378	1163	378	1164	378	1165	378	1166	378	1167	378	1168	378	1169	378	1170	378	1171	378	1172	378	1173	378	1174	378	1175	378	1176	378	1177	378	1178	378	1179	378	1180	378	1181	378	1182	378	1183	378	1184	378	1185	378	1186	378	1187	378	1188	378	1189	378	1190	378	1191	378	1192	378	1193	378	1194	378	1195	378	1196	378	1197	378	1198	378	1199	378
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LEGEND FOR CONSTANTS, PRESSURE, & QUANTITIES

LEGEND FOR HEIGHTS

DC. *Dr. Hall*

DATE AND BILLING TIME

DATE	TIME	BILLING
507	11	1105
508	11	1105

JOHNSON

BOHLY

WBAN 104  
Formerly WB Form 11394 also  
(Rev. 1-1-65)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
SURFACE WEATHER OBSERVATIONS  
STATION AKRON, OHIO, AKRON - CANTON AIRPORT DATE JAN 20 1961 (FRIDAY)

TYPE	TIME (LST)	SKY AND CEILING (hundreds of feet)	WIND (1-12) CALLED	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS (100)	TEMP (10)	DEW PT (10)	WIND			ALTIMETER (10)	REMARKS AND SUPPLEMENTAL COOPED DATA	OBSERVER INITIALS
								DIRECTION	SPEED (KNOTS)	CHARACTER AND GUSTS			
R	0058	200 E 500	15	SW -	105	4	8	↙	15	907	90402		ML
SM	0100	521 2315	74	SW -	105	4	8	↙	15	907	90402	42614 30010	ML
R	0158	E 200 900	10	SW -	108	13	8	↙	14	918			ML
R	0258	120 E 250	7	SW -	119	13	8	↘	14	981	010		ML
R	0358	E 150	5	SW -	115	12	6	↘	10	980	010	1500	ML
R	0458	0	15		122	9	7	↘	10	981	SE 20		ML
R	0558	0	15		125	8	6	↘	8	982			ML
R	0658	0	15		135	4	3	↘	10	984	90402	30004	ML
SM	0700	521 0310	74	SW -	135	0	4	↘	10	987	214	0100 32 900 01 42605	ML
R	0758	0	12		139	3	3	↘	7	985			ML
R	0858	0	15		139	5	0	↘	10	989			ML
R	0958	100 0	12		142	11	4	↘	8	987	210	1030	ML
R	1058	100 0	12		142	13	4	↘	9	987			ML
R	1158	200 100 0	12		142	14	4	↘	9	987			ML
R	1258	300 E 100 0	12		142	18	7	↘	10	985	5815 E 37		ML
SM	1300	521 63010	79	SW -	135	12	4	↘	10	987	70012	30002 41203	ML
R	1358	M 250 100 0	12		129	18	4	↘	10	984			ML
R	1458	M 50 E 80 0	12		129	18	3	↘	9	984			ML
S	1504	M 220 80 0	21	SW -				↘	6		5810		RA
R	1558	M 200 80 0	14	SW -	105	17	7	↘	6	985	5810	500 1570 180 14 NW	RA
R	1658	E 350 80 0	7	SW -	142	16	5	↘	6	986			RA
R	1758	350 E 100 0	7		142	14	7	↘	5	986	5810		RA
R	1858	M 40 0	8	SW -	146	14	8	↘	3	987	5810		RA
SM	1900	521 62903	69	SW -	146	14	8	↘	3	987	70012	30002 41203	RA
R	1958	35 0	8	SW -	146	14	7	↘	3	987			RA
R	2058	20 0	5	SW -	146	11	6	↘	4	987			RA
R	2158	15 0 25 0	7	SW -	146	10	7	↘	3	987	400	1700 010 0 1572	RA
S	2208	M 10 25 0	7	SW -				↘	3				RA
S	2248	10 0 25 0	6	SW -					0				RA
R	2258	10 0 25 0	6	SW -	142	11	8	↘	0	986			RA
R	2358	25 0	3	SW -	139	11	8	↘	0	985			ML

usually small. The moon was approaching its first quarter and only 23% of the surface visible from the earth was illuminated. The semidiameter on this date was 15' 58.85".

6. When a ray of light consisting of vibrations of the same wave length (monochromatic light) passes from a rarer medium such as air to a denser medium such as glass, the ray is bent toward the perpendicular to the surface separating them. When the ray passes from a denser to a rarer medium, it is bent away from a similar perpendicular. This bending of the ray is called refraction. Light of different wave lengths is refracted differently under the same conditions, the shorter the wave length the greater the refraction. Thus, since red light has a longer wave length than yellow, it is refracted less; and yellow light is refracted less than blue light and so on. If a ray of light should, therefore, be composed of each of these colors (polychromatic), the effect of passing from a denser to a rarer medium would be to distribute the light into the various colors. This decomposition of a ray of light into its constituent colors is called dispersion. In the instance of the atmosphere we do not have different mediums but different densities of the same medium occurring in an infinite number of layers resulting in a curved path rather than one bend as when the one separating surface is clearly defined. As we increase our altitude the atmosphere becomes less dense, and as a result we have refraction. However, on certain occasions we have an increase in temperature with altitude (inversion) which increases the rate of change of density with altitude and therefore increases the index of refraction.

7. When the moon is just rising or setting it often assumes an elliptical shape with the longer diameter parallel to the horizon. This is caused by the refraction raising the lower edge more than the upper and therefore apparently shortening the diameter perpendicular to the horizon. In the Akron sighting the fact that the moon already was irregularly shaped, due to the approach of the first quarter, added to the effects created by the refraction. This is probably what caused the witnesses to report that the top of the object appeared flat or cut off on top. It is not unusual to experience the illusion that the moon is larger when it is rising or setting. This illusion results from being able to compare it with objects of known size when it is near the horizon.

8. It is concluded by ATIC that the object viewed by the witnesses in Akron, Ohio, on 21 January 1961 was the setting moon distorted by atmospheric refraction. The apparently irregular shape, apparently greater size, and possibly weather conditions probably contributed to the misidentification. This conclusion is substantiated by the facts that the moon was located just north of west on 21 January 1961 the direction reported for the UFO and all of the sightings occurred at the approximate time of moonset with none occurring after 2305 which is only one minute after the official moonset time for Akron, Ohio, on 21 January 1961.



FORM 1-57 (REV. 11-2-60)

U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
 SURFACE WEATHER OBSERVATIONS  
 STATION **AKRON, OHIO AKRON - CANTON AIRPORT** DATE **JAN 20 1961** **FRIDAY**

TIME (G.M.T.)	STATION PRESSURE (hPa)	DRY BULB (°C)	WET BULB (°C)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA								TOTAL OPAQUE SKY COVER	NET CHANGE	WIND					
						LOWEST LAYER			SECOND LAYER			THIRD LAYER					FOURTH LAYER				
01	02	03	04	05	06	AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT	07	08	09	10
0057	28.470	14.0	13.1	76	10	3	SC	20	7	SC	E50	10	U					10	1	030	T
0158	28.480	13.2	12.5	78	10	7	SC	E20	3	AC	90	10	U					10			T
0258	28.510	12.6	12.0	80	7	2	SC	12	4	SC	E25	7	0					7			T
0358	28.500	11.6	11.0	79	10	10	SC	E15	U									10	0	030	T
0458	28.510	9.8	9.9	69	0	0			0			0	0					0			T
0558	28.520	5.3	5.8	81	0	0			0			0	0					0			
0658	28.540	3.9	3.3	72	0	0			0			0	0					0	2	041	
0758	28.550	3.3	2.9	76	0	0			0			0	0					0			
0858	28.550	5.3	4.9	77	0	0			0			0	0					0			
0958	28.570	11.1	10.2	73	2	2	AC	100	0			2	0					2	2	030	
1058	28.570	13.0	11.6	67	3	3	AC	100	0			3	0					3			
1158	28.560	14.2	12.6	64	5	1	SC	20	4	AC	100	5	0					5			
1258	28.550	17.7	15.7	63	8	5	SC	20	3	AC	E100	8	0					8	8	030	T
1358	28.560	18.3	15.6	63	9	1	SC	125	3	AC	100	9	0					9			T
1458	28.560	19.4	15.4	60	8	3	SC	25	5	AC	E90	8	0					8			T
1558	28.550	7.0	5.2	65	10	8	SC	120	2	AC	80	10	0					10	5	000	T
1658	28.560	16.1	14.2	62	10	6	SC	E35	4	AC	80	10	0					10			T
1758	28.560	14.0	13.0	74	8	3	SC	25	5	AC	E100	8	0					8			T
1858	28.570	13.9	13.0	76	7	7	SC	140	0			7	0					7	2	020	T
1958	28.570	13.8	12.8	74	5	5	SC	35	0			5	0					5			T
2058	28.570	11.0	10.5	80	4	4	SC	30	0			4	0					4			T
2158	28.570	10.4	10.2	85	4	2	SC	15	2	SC	25	4	0					4	4	000	T
2258	28.570	11.2	11.0	86	5	2	SC	10	3	SC	25	5	0					5			T
2358	28.550	10.6	10.6	89	10	6	SC	25	0			6	0					6			T

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (INCH)	SNOW FALL (INCH)	SNOW DEPTH (INCH)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	HGT. BOUND SURFACE	STATE OF SKY	SEA STATE & DIR.	SWELL HGT. & DIR.	SWELL PERIOD	CURR. HGT. & DIR.	WATER TEMP.	SOIL TEMP.	RAIN GAGE	STATION PRESSURE COMBINATIONS				
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	TIME (L.S.T.)	01	02	03	04
			T	T		15	14									.02	0557	0655	0753	0851	1851
			T	T	2	17	14		9							.02					
			T	T	2	14	3		9							.02					
			T	T	2	18	3		9							.02	0817	0850	0920	0950	28570
			T	T	2	19	14		9							.0	0857	0928	0951	1021	28555
			T	T	2	14	10									.0					

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAX. WIND SPEED (KNOTS)	MAX. WIND DIR.	MAX. GUST SPEED (KNOTS)	MAX. GUST DIR.	PRECIP. (INCH)	SNOW FALL (INCH)	SNOW DEPTH (INCH)	PEAK RUST SPEED (KNOTS)	DIR. OF RUST	TIME (L.S.T.)	THICKNESS OF ICE ON WATER (INCH)	FRIGIDITY INDEX (°F)	WINDY PERCENT	WINDY DIR.	WINDY SPEED	PRECIP. THROUGHOUT	MEAN	ENDD	DIR. OF WIND	MEAN	ENDD	DIR. OF WIND
SW-10	120	12	120	0.02	0	0	15	14							SW-10	120	120				
SW-10	120	12	120	0.02	0	0	15	14							SW-10	120	120				

STATION	DATE	TIME	WIND	TEMP	HUMID	PRESS	SEA	ICE	VISIB	CLOUDS	PRECIP	WIND	TEMP	HUMID	PRESS	SEA	ICE	VISIB	CLOUDS	PRECIP									
1850	7	7	2	14	10																								
SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)																													
WIND	TEMP	HUMID	PRESS	SEA	ICE	VISIB	CLOUDS	PRECIP	WIND	TEMP	HUMID	PRESS	SEA	ICE	VISIB	CLOUDS	PRECIP	WIND	TEMP	HUMID	PRESS								
19	3	7	.3	2					89	50	.10																		
REMARKS, NOTES AND MISCELLANEOUS PHENOMENA																		PRECIP. & THREAT				WIND		TEMP		HUMID		PRESS	
																		SW - CONTD				0430							
																		SW -				1510		1520					
																		SW -				1520		1630					
																		SW -				1730		1730					
																		SW -				1810		2240					
																		SW -				2040		2145					
																		SW -				2145		2240					
																		SW -				2240		0000					



R	1151	M1745	2	S-F	135	9	4	→	5	981					
R	1152	M1745	3	S-F	135	10	6	→	4	982	114	2500	15500		
R	1153	M1745	4	HK	139	13	7	→	7	983					
R	1154	M1745	5	HK	139	15	3	→	10	984					
R	1155	M1745	6	HK	125	16	3	→	10	985					
SM	1300	2 27 16		M1745	125	16		→	20984	987	70043	30002	4108		
R	1358	M1745	7		125	16	3	→	11	988					
R	1458	E 2045	7		129	15	7	→	8	989					
R	1558	M1800	5	SW	139	15	6	→	10	990	3810	310	150		RA
S	1658	E 1800	2V	SW				→	9		VSBY 1V3				RA
S	1700	M 1800	3	SW				→	10						RA
R	1658	M 1500	3	SW	149	14	8	→	10	991					RA
S	1700	M 1500	2V	SW				→	12		VSBY 1V3				RA
S	1710	P 12 X	7/8	SW				→	12		VSBY 7/8 2NDY 1				RA
S	1734	M 1445	1/2	SW				→	10						RA
R	1758	E 1445	2V	SW	150	12	8	→	12	992	VSRY 1V2 1/2				RA
R	1858	M 1400	3	SW	163	11	7	→	15	993	MDD DMD VSL				RA
SM	1903	521 855 15	4E	258	16.3	11	554	XX	07224	994	70143	30003	41608		RA
R	1958	M 1200	6	SW	166	9	4	→	11419	995					RA
R	2058	M 1200	6	SW	166	9	5	→	13	996					RA
R	2148	M 1200	7	SW	172	9	4	→	13423	997	210	15XX			RA
R	2258	M 2000	7	SW	186	8	1	→	12421	998					RA
R	2358	M 2400	15H	SW	186	5	4	→	12425	999	WIND DRIV V WIND				MUR

WEATHER  
FORM NO. 1130A  
(REV. 1-1-53)

U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
SURFACE WEATHER OBSERVATIONS  
STATION: ARRON, OHIO, ARRON CANYON AIRPORT  
DATE: 21-1961, SATURDAY

TIME	TYPE	WIND	TEMP	DEW	REL	PRES	SEA	WAVE	WIND	REMARKS AND SUPPLEMENTAL DATA
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2000	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2010	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2030	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2100	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2115	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2130	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2145	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2200	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2215	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2230	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2245	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2300	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2315	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2330	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
2345	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS
0000	R	35-40	11.7	9.7	88	30.0	10	15	0	SKY 50% CLOUDS

WBAN 104  
Formerly WB Form 1130A also  
(REV. 1-1-55)

U. S. DEPARTMENT OF COMMERCE WEATHER BUREAU  
SURFACE WEATHER OBSERVATIONS

STATION AKRON, OHIO AKRON - CANTON AIRPORT DATE JAN. 21, 1951 SATURDAY

TYPE	TIME (EST)	SKY and CEILING (HOURS of Part)	VISI- BILITY (Miles)	WEATHER and OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (INCH)	TEMP. (°F)	DEW PT. (°F)	WIND			ALTM. (FEET)	REMARKS AND SUPPLEMENTAL CODED DATA	CORRECTION	
								DIREC- TION	SPEED (MPH)	CHARAC- TER AND SHIFTS				
R	0658	25-MD	3	SW	119	11.7		C			983			
SM	0100	521 50000	42	SB 129	11	55	10	07	114		980	41903		
RS	0158	(D)	2 1/2	FK	125	9.7		N	4		986	5530		
R	0208	E25-MD	2 1/2	SW-EK	125	10.7		N	3		982	5530		
R	0358	E5-MD	2	SW-EK	122	10.7		C			981	607	1500	
R	0458	E25-MD	1 1/2	S-EK	115	10.7		S	5		979	WSPY 3/4 V 1/4		
R	0558	E25-MD	1 1/2	S-E	115	9.7		S	5		979	BTNDVC		
P	0658	E25-MD	2	S-E	119	9.6		S	5		980	90402		
SM	0100	521 52705	32	718	119	09		755	00		06503	90282	41909	
RS	0758	1179	1 1/2	S-E	129	8.4		S	7		982			
RS	0810	1179	1 1/2	S-E	125	9.4		S	5		984			
RS	0958	1100	5	GHK	120	10.6		S	4		982	114	1500	9500
P	1058	80-MD	6	HK	139	13.7		S	7		985			
R	1158	15-MD	6	HK	130	15.2		S	10		982			
R	1258	10-MD	6	HK	125	16.2		S	10		982			
SM	1300	27710	6	0000	125	16		91	904	03	907	70043	30002	21108
R	1358	50-MD	7		125	16		S	11		982			
R	1458	50-MD	7		125	15.7		S	11		983			
R	1558	50-MD	7		125	15.6		S	11		983			



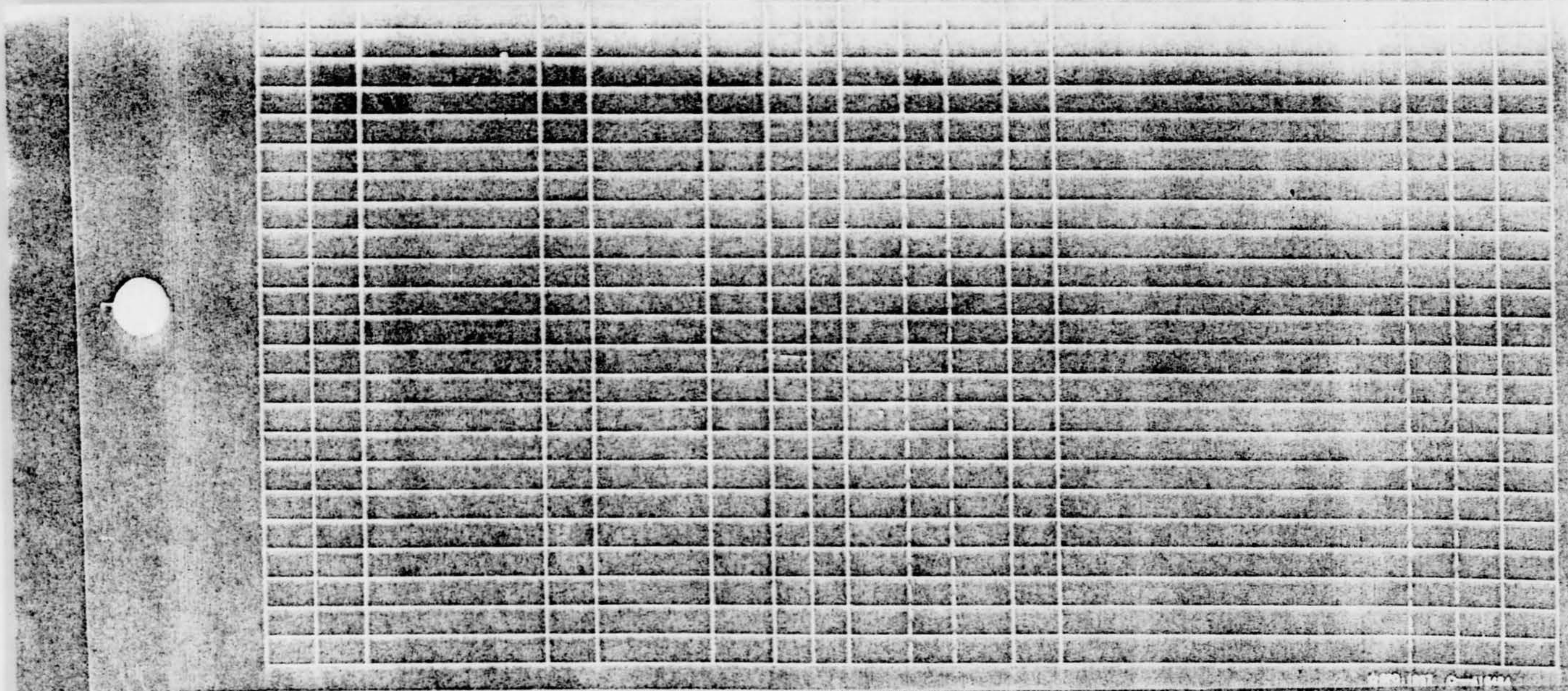


WBAN 104  
FORM NO. 1130A (REV. 1-1-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
SURFACE WEATHER OBSERVATIONS

STATION AKRON, OHIO AKRON - CANTON AIRPORT DATE JAN 22 1961 SUNDAY

TYPE	TIME (LST)	SKY AND CEILING (HUNDREDS OF FEET)	VISIBILITY (MILES)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESSURE (INCHES)	TEMP (DEG F)	DEW PT (DEG F)	WIND			ALTIMETER SETTING (INCHES)	REMARKS AND SUPPLEMENTAL DATA	CORRECTED SEA LEVEL PRESSURE (INCHES)
								DIRECTION	SPEED (MPH)	CHARACTER AND QUALITY			
R	0058	20 (D)	15	SW -	180.3	5	→	13		997			
SM	0100	521 2 2413	74858	1800	25	500	95007	700	73	30003	41603		
R	0158	20 (D)	15	SW -	180	4	→	12		997			
R	0258	17 (D)	15	SW -	183	5	→	13		998	103	1500	
R	0358	17 (D)	15	SW -	186	6	→	15		999			
RS	0458	M17 (D)	15	SW -	189	7	→	13	20	998			
RS	0558	17 (D)	15	SW -	183	5	→	12	19	998			
R	0658	17 (D)	15	SW -	186	5	→	13	23	999			
SM	0700	521 2 2413	74858	18600	25	400	95500	700	73	30001	41600		
RS	0758	M17 (D)	15	SW -	193	7	→	15		999			
R	0858	M17 (D)	15		207	5	→	14		999	5805		
RS	0958	17 (D)	15		203	3	→	13		998	117	1504	
R	1058	17 (D)	15		213	5	→	14		998			
R	1158	20 (D)	15		213	8	→	15	22	998			
RS	1258	M17 (D)	15	SW - BS	200	9	→	17		999	5845		
SM	1300	72217	56701		200	09	75400	99103	70013	30001	40900		
R	1358	E17 (D)	12		193	10	→	16	23	999	5315		
RS	1458	M20 (D)	12		193	12	→	15	22	999			
R	1558	M25 (D)	12		193	11	→	12	19	999	607	1500	
R	1658	25 (D)	10		196	11	→	14		998			
R	1758	25 (D)	7		200	9	→	16		998			
R	1858	120 - (D)	7		196	7	→	7		999			
SM	1900	521 32107	61011		196	07	00970	01000	70063	41200			
R	1958	35 (D)	7		200	7	→	16		998	5830		
R	2058	M30 (D)	7		196	7	→	4		999			
R	2158	M30 (D)	7		193	7	→	3		999	803	1500	
R	2258	M30 (D)	5		186	7	→	4		999			
R	2358	M30 (D)	5		183	7	→	4		997			



UNIT 6-1100

9. It is requested that you pass this information to SAFLL for forwarding to Mr. Robert Smart, House Armed Services Sub-Committee.

FOR THE COMMANDER:

*Philip G. Evans*  
*Major USAF*

PHILIP G. EVANS

Colonel, USAF

Deputy for Science and Components



FORM NO. 3  
 (PREVIOUS EDITIONS ARE OBSOLETE)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
 SURFACE WEATHER OBSERVATIONS  
 STATION AKRON, OHIO AKRON - CANTON AIRPORT DATE JAN 22 1961 SUNDAY

TIME (G.M.T.)	STATION PRESSURE (INCH)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OPAQUE SKY COVER	VISI- BILITY	WIND DIRECTION	WIND SPEED		
						LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER								
						AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT	AMT.	TYPE	HEIGHT						
0052	28692	29	22	69	3	3	Sc	20	0			3	0			3	0			3	0	020	T
0152	28692	1.1	0.9	79	2	2	Sc	20	0			2	0			2	0			2	0		T
0252	28670	2.4	0.1	76	5	5	Sc	17	0			5	0			5	0			5	0		T
0352	28680	0.3	0.0	76	4	4	Sc	17	0			4	0			4	0			4	0	010	T
0452	28690	0.5	0.1	74	6	6	Sc	M17	0			6	0			6	0			6	0		T
0552	28670	0.2	0.0	79	3	3	Sc	17	0			3	0			3	0			3	0		T
0652	28680	0.3	0.1	79	2	2	Sc	17	0			2	0			2	0			2	0	000	T
0752	28690	1.0	0.3	66	6	6	Sc	M11	0			6	0			6	0			6	0		T
0852	28730	1.4	1.0	65	7	7	Sc	M17	0			7	0			7	0			7	0		T
0952	28720	3.0	0.7	76	4	1	Sc	17	3	1	Ac	4	0			4	0			3	1	050	T
1052	28730	5.3	4.1	60	10	2	Sc	17	10	0	0	1	10	0		1	10			10	0		T
1152	28745	8.1	6.0	43	3	1	Sc	20	2	1	Ac	3	0			3	0			1	0		T
1252	28720	7.0	7.8	65	7	9	Sc	M17	0			9	0			9	0			9	0	100	T
1352	28700	12.3	9.3	70	10	10	Sc	E17	0			10	0			10	0			10	0		T
1452	28700	13.2	10.6	72	8	1	Sc	M30	0			8	0			8	0			8	0		T
1552	28700	11.0	9.0	53	7	7	Sc	M25	0			7	0			7	0			7	0	020	T
1652	28710	10.5	8.5	52	7	4	Sc	35	3	Ac	E120	7	0			7	0			6	0		T
1752	28710	9.0	7.8	65	8	2	Ca	35	6	Ac	E20	8	0			8	0			5	0		T
1852	28700	7.0	6.4	75	4	4	Ac	120	0			4	0			4	0			1	0	000	T
1952	28710	6.9	6.4	77	5	5	Sc	35	0			5	0			5	0			3	0		T
2052	28710	7.3	7.0	81	6	6	Sc	M30	0			6	0			6	0			4	0		T
2152	28690	7.1	6.8	81	6	6	Sc	M30	0			6	0			6	0			4	0	010	T
2252	28690	7.0	6.7	81	8	8	Sc	M30	0			8	0			8	0			6	0		T
2352	28607	7.0	6.8	83	10	10	Sc	M30	0			10	0			10	0			10	0		T

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (INCH)	SNOW FALL (INCH)	SNOW DEPTH (INCH)	MAX. TEMP. (°F)	MID. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF SKY	SEA STATE	SWELL DIRECTION	SWELL PERIOD	SURF. WAVE PERIOD	WATER TEMP.	SOIL TEMP.	RAIN GAGE	STATION PRESSURE CORRECTIONS			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
0052	0652	X	T	T	X	5	3	X	X	X	X	X	X	X	X	0	0.055	0.653	1300	1855
0152	0752		T	T		3	11	3	9							0				
0252	0852		T	T		3	3	0	9							0				
0352	0952		T	T		3	9	0	9							0				
0452	1052		T	T		3	12	7	9							0				
0552	1152	X	T	T	X	3	7	7	X	X	X	X	X	X	X	0	0	0.010	0	0

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

24-HR. MAX. TEMP.	24-HR. MIN. TEMP.	24-HR. PRECIP. WATER (INCH)	24-HR. SNOWFALL (INCH)	24-HR. SNOW DEPTH (INCH)	FEEL GUST	TRUCK WIND SPEED (M.P.H.)	WIND SPEED (M.P.H.)	WIND DIRECTION	WIND GUST (M.P.H.)	WIND GUST DIRECTION	WIND GUST DURATION	WIND GUST FREQUENCY	WIND GUST TOTAL	PRECIP. GAGE	BEGAN	ENDED	DUR. TO END	DIR.	DIR. TO END	DUR. TO END
8	2	0	0	0	12	12	12	12	12	12	12	12	12	0	0845	1845	10	BS	145	1315
8	2	0	0	0	12	12	12	12	12	12	12	12	12	0	1815	1845	30	BS	145	1315

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)												PRECIP. & THIRST	BEGAN	ENDED	DUR. #	CRSTR. TO VIS	BEGAN	ENDED	DUR. #																							
WIND MAX. TEMP.	WIND MIN. TEMP.	WIND DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.	WIND S.W. TEMP.	WIND S.W. DIR.																								
12	0	T	T	3																																						
REMARKS, NOTES AND MISCELLANEOUS PHENOMENA																																										
* RESET RAIN GAGE. (IT WAS SET AT 02 WHEN NEW CHART WAS PUT ON)																																										

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**ADIABATIC CHART**

Legend for constant pressure slopes:

DATA	CONSTANT PRESSURE SLOPE
100	100
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	1000

Legend for isotherms:

TEMPERATURE	TEMPERATURE
100	100
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	1000

Legend for constant pressure slopes:  
 DATA: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000  
 CONSTANT PRESSURE SLOPE: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

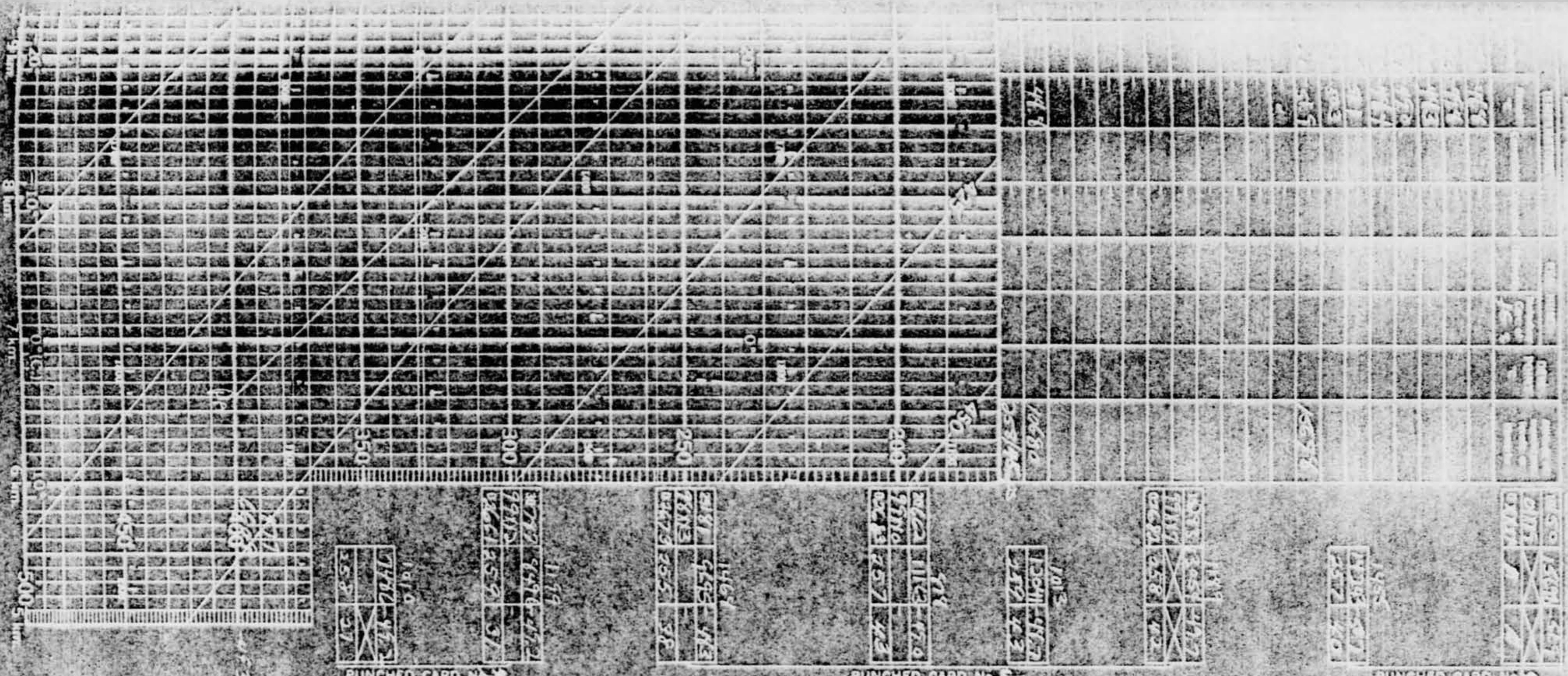
Legend for isotherms:  
 TEMPERATURE: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

Legend for constant pressure slopes:  
 DATA: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000  
 CONSTANT PRESSURE SLOPE: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

DATE AND MESSAGE TIME

DATE	TIME	MESSAGE
1961 JAN 21	10:57	
1961 JAN 21	11:00	

**PITTSBURGH, PA**  
 GEORGE P. WENING, JR.  
**ADISON J. ROSEBY**



PUNCHED CARD NO. 1

PUNCHED CARD NO. 2

PUNCHED CARD NO. 3

PUNCHED CARD NO. 4

PUNCHED CARD NO. 5

PUNCHED CARD NO. 6

PUNCHED CARD NO. 7

PUNCHED CARD NO. 8

PUNCHED CARD NO. 9

AFCIN-4E/Maj Friend/vw/69216

UFO Sighting (Akron, Ohio, 21 January 1961)

13 APR 1961

SAFOI-3d (Major Coleman)

1. During March 1961 your office forwarded a tape recording to ATIC which was prepared by Mr. [REDACTED] of Akron, Ohio, concerning the subject of Unidentified Flying Objects. The tape contained specific information about a sighting which occurred in Akron, Ohio, on the night of 21 January 1961. Mr. [REDACTED] forwarded a copy of this tape to the President of the United States and also to several members of Congress. This case was not brought to the attention of the Air Force except through Mr. [REDACTED] tape recording which reached ATIC on 14 March 1961.
2. On 21 March 1961 two officers were dispatched from ATIC to Akron for the purpose of investigating the 21 January 1961 UFO sighting. From the data collected by the investigators it was determined that the UFO sighting resulted from the misidentification of the setting moon due to atmospheric refraction.
3. The Air Force investigators interviewed Mr. [REDACTED] whose account of the sighting is on the [REDACTED] tape recording. Mr. [REDACTED] was contacted and his taped accounts of the sighting by Mr. and Mrs. [REDACTED], Mrs. [REDACTED] and her eleven years old daughter [REDACTED], Mr. and Mrs. [REDACTED] and Mr. and Mrs. [REDACTED] were run off for the investigators. The information from the witnesses was generally consistent; the object being sighted between 2230 and 2300, appearing as a red-orange object just to the north of west and very low on the horizon. The object was further described by all witnesses as appearing like a circle or plate with the top cut off and approximately five times the size of the moon. The sighting was reported to have lasted approximately fifteen minutes.
4. On 21 January 1961 at 2258 the weather at the Akron-Canton Airport was a 2000 foot overcast composed of stratocumulus clouds, the visibility was 7 miles, and the temperature was 7°F. The witnesses stated that in Akron it was partly cloudy rather than overcast; however, the most significant point is the presence of stratiform clouds which are indicative of stable conditions (inversions). Inversions increase the index of refraction of the atmosphere.
5. On 21 January 1961 official moonset at Akron was 2304. This time, of course, can deviate due to topographical conditions, manmade structures and the vantage point of the observer; however, these deviations are

usually small. The moon was approaching its first quarter and only 23% of the surface visible from the earth was illuminated. The semidiameter on this date was 15' 58.85".

6. When a ray of light consisting of vibrations of the same wave length (monochromatic light) passes from a rarer medium such as air to a denser medium such as glass, the ray is bent toward the perpendicular to the surface separating them. When the ray passes from a denser to a rarer medium, it is bent away from a similar perpendicular. This bending of the ray is called refraction. Light of different wave lengths is refracted differently under the same conditions, the shorter the wave length the greater the refraction. Thus, since red light has a longer wave length than yellow, it is refracted less; and yellow light is refracted less than blue light and so on. If a ray of light should, therefore, be composed of each of these colors (polychromatic), the effect of passing from a denser to a rarer medium would be to distribute the light into the various colors. This decomposition of a ray of light into its constituent colors is called dispersion. In the instance of the atmosphere we do not have different mediums but different densities of the same medium occurring in an infinite number of layers resulting in a curved path rather than one bend as when the one separating surface is clearly defined. As we increase our altitude the atmosphere becomes less dense, and as a result we have refraction. However, on certain occasions we have an increase in temperature with altitude (inversion) which increases the rate of change of density with altitude and therefore increases the index of refraction.

7. When the moon is just rising or setting it often assumes an elliptical shape with the longer diameter parallel to the horizon. This is caused by the refraction raising the lower edge more than the upper and therefore apparently shortening the diameter perpendicular to the horizon. In the Akron sighting the fact that the moon already was irregularly shaped, due to the approach of the first quarter, added to the effects created by the refraction. This is probably what caused the witnesses to report that the top of the object appeared flat or cut off on top. It is not unusual to experience the illusion that the moon is larger when it is rising or setting. This illusion results from being able to compare it with objects of known size when it is near the horizon.

8. It is concluded by ATIC that the object viewed by the witnesses in Akron, Ohio, on 21 January 1961 was the setting moon distorted by atmospheric refraction. The apparently irregular shape, apparently greater size, and possibly weather conditions probably contributed to the misidentification. This conclusion is substantiated by the facts that the moon was located just north of west on 21 January 1961 the direction reported for the UFO and all of the sightings occurred at the approximate time of moonset with none occurring after 2305 which is only one minute after the official moonset time for Akron, Ohio, on 21 January 1961.



1. PPT Nr.

TASK ACTIVITY REPORT

2. Subject

UFO Sighting

3. Initiator Capts R. T. Smith

6. Card Nr.

4. Symbol 4E2x E. J. Wolf

5. Phone

7. Date 4 Apr 61

8. NATURE OF REQUEST OR ACTION:  Product Coordination (4E);  Schedule Change (4X7);  Program Change (4X6);  Trip Report;  Staff Digest (4X2a);  Contract Status (4X6);  Graphics (4D2);  Collect Support (4A)

\_\_\_\_\_ ACTION \_\_\_\_\_ INFORMATION \_\_\_\_\_ REPORTED \_\_\_\_\_ REQUESTED

9. Comment: On 21 March 61, Captains Robert T. Smith and Earl J. Wolf, Jr. traveled to Akron, Ohio, to check on reported UFO sighting.

The first task upon arrival in Akron was to locate the Pulliam family who had reported a Phenomena Sighting the night of 21 January 61. The information was obtained by going to the city's newspaper, the Akron Beacon Journal, which specializes in the reporting of spectacular controversial incidents, and then researching the desired reports in the paper's file library.

The newspaper issues of 26 and 31 January 61 carried articles relative to the "Pulliam Sighting" of 21 Jan 61. Two of the articles reported the reaction of city (Akron) officials relative to the report (i.e. [redacted])

The family reporting the incident was identified as the [redacted] family, [redacted] located on the North edge of Lake Nesmith, a very small lake (pond) situated in the South industrial section of the city of Akron.

Before making contact with the [redacted] Family, we inspected the whole area of Lake Nesmith (pond) thoroughly, making complete photo coverage while doing so. Also, we secured lodging in a motel, located on the South side of Lake Nesmith, almost directly

PPT Nr. \_\_\_\_\_

Card Nr. \_\_\_\_\_

across from the [redacted] residence.

Item 9 (Cont)

Established contact with the [redacted] on 22 March and arranged for an interview later on in the day. Mr. [redacted] and his oldest son, [redacted] 17 years old, were quite cooperative but a little apprehensive during the interview due to the fact that Mr. [redacted] [redacted] member of the Unidentified Flying Objects Research Committee of Akron, Ohio, was not present. We assured Mr. [redacted] that before we departed the city we would get in touch with Mr. [redacted]; after that, the interview went somewhat more smoothly.

The interview was recorded on tape and in general went along with a previous tape recording of the [redacted] Incident" made by Mr. [redacted] and sent thru channels to ATIC. However, one major discrepancy was that during the interview Mr. [redacted] stated that he and his entire family went outside of the house together and observed "The Object". The previously received tape stated that he [redacted] stayed inside the house and other

10. NEXT COURSE OF ACTION OR REFERENCES:

11. COORDINATION & APPROVAL

Capt R. T. Smith  
Capt E. J. Wolf

Maj R. Friend

Col R. R. Shoop

Col P. G. Evans