

PROJECT 10073 RECORD CARD

1. DATE 21 Jan 61		2. LOCATION Akron, Ohio		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical <i>MOON</i> ☒ Probably Astronomical ☐ Possibly Astronomical ☐ Other _____ ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local 2305 GMT 220405Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ 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.	

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.

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

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

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.

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 2157

PHILIP G. EVANS

Colonel, USAF

Deputy for Science and Components

OFFICIAL FILE COPY
4E

AFCIN-4E/Maj Friend/vw/69216

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13 APR 1961

SAFOI-3d (Major Coleman)

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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.
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1. PPT Nr.

TASK ACTIVITY REPORT

2. Subject

UFO Sighting

3. Initiator Capts R. T. Smith

6. Cord 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.

Cord 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] 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

FORM
ATIC DEC 60

46a

This form supersedes ATIC Test Form 46a, Jun 60, which is obsolete.

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

FOR THE COMMANDER:

H. J. Butts
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

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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,

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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.

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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

Slap Police Attitude On 'Flying Object'

A "nerve-shattering experience" an Akron family had with an unidentified flying object (UFO) was described today to 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 the 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.

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.

'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 file 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

31 JAN 61

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

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Item 9 (Cont)

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

REPLY TO
ATTN OF: CCDDPD/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

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

REPLY TO
ATTN OF: CCDFD/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

CLIC

10 10

RECEIVED

VIA AIRMAIL

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

REPLY TO
ATTN OF: CCDDPD/HHOO

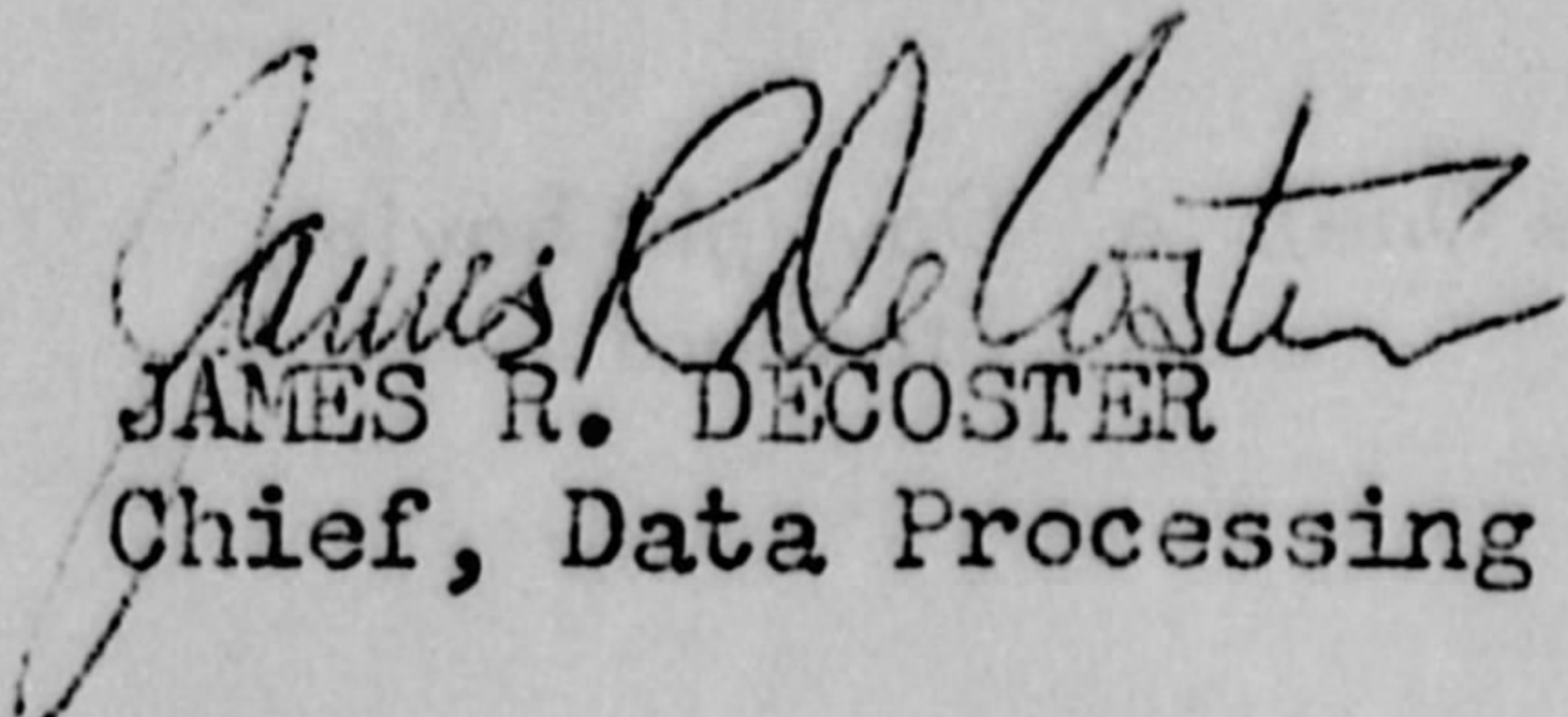
SUBJECT: WBAN-31 Adiabatic Charts for Pittsburgh

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

11C

13

SECRET

ATC

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?

21st 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
a. Bright
b. Cloudy

NIGHT
a. Bright
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
b. In back of you
c. To your right

d. To your left
e. Overhead
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? | <u>Yes</u> | No | Don't Know |
| b. Suddenly speed up and rush away at any time? | <u>Yes</u> | No | Don't Know |
| c. Break up into parts or explode? | Yes | <u>No</u> | Don't Know |
| d. Give off smoke? | Yes | <u>No</u> | Don't Know |
| e. Change brightness? | <u>Yes</u> | No | Don't Know |
| f. Change shape? | <u>Yes</u> | No | Don't Know |
| g. Flash or flicker? | Yes | <u>No</u> | Don't Know |
| h. Disappear and reappear? | <u>Yes</u> | 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 | <u>Yes</u> | No | h. Other | <u>Direct Eye view</u> | |

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

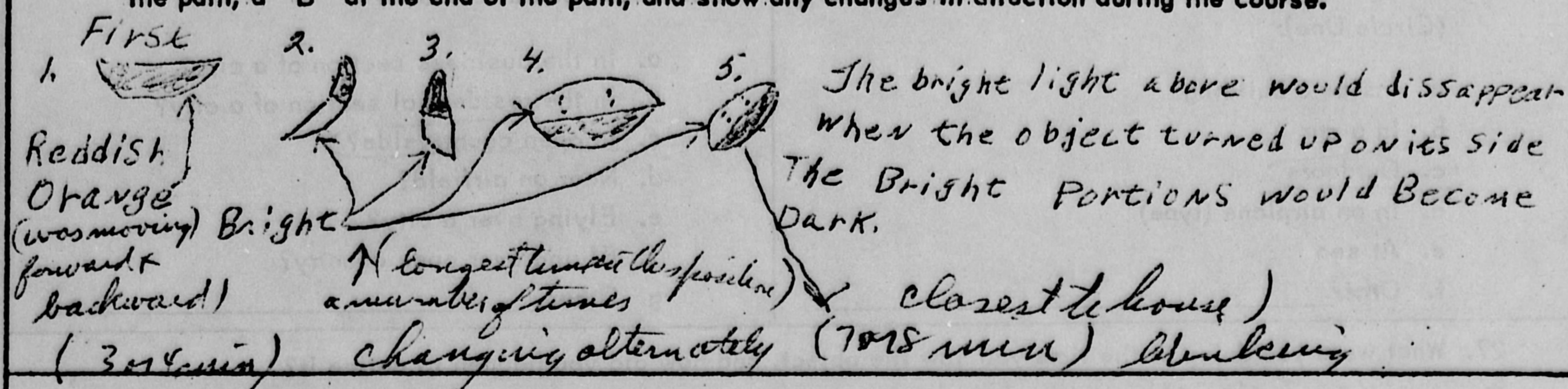
e. Other

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.

Same

34. 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

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

21
Day

1
Month

61
Year

(Walker Nees)
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 address

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?

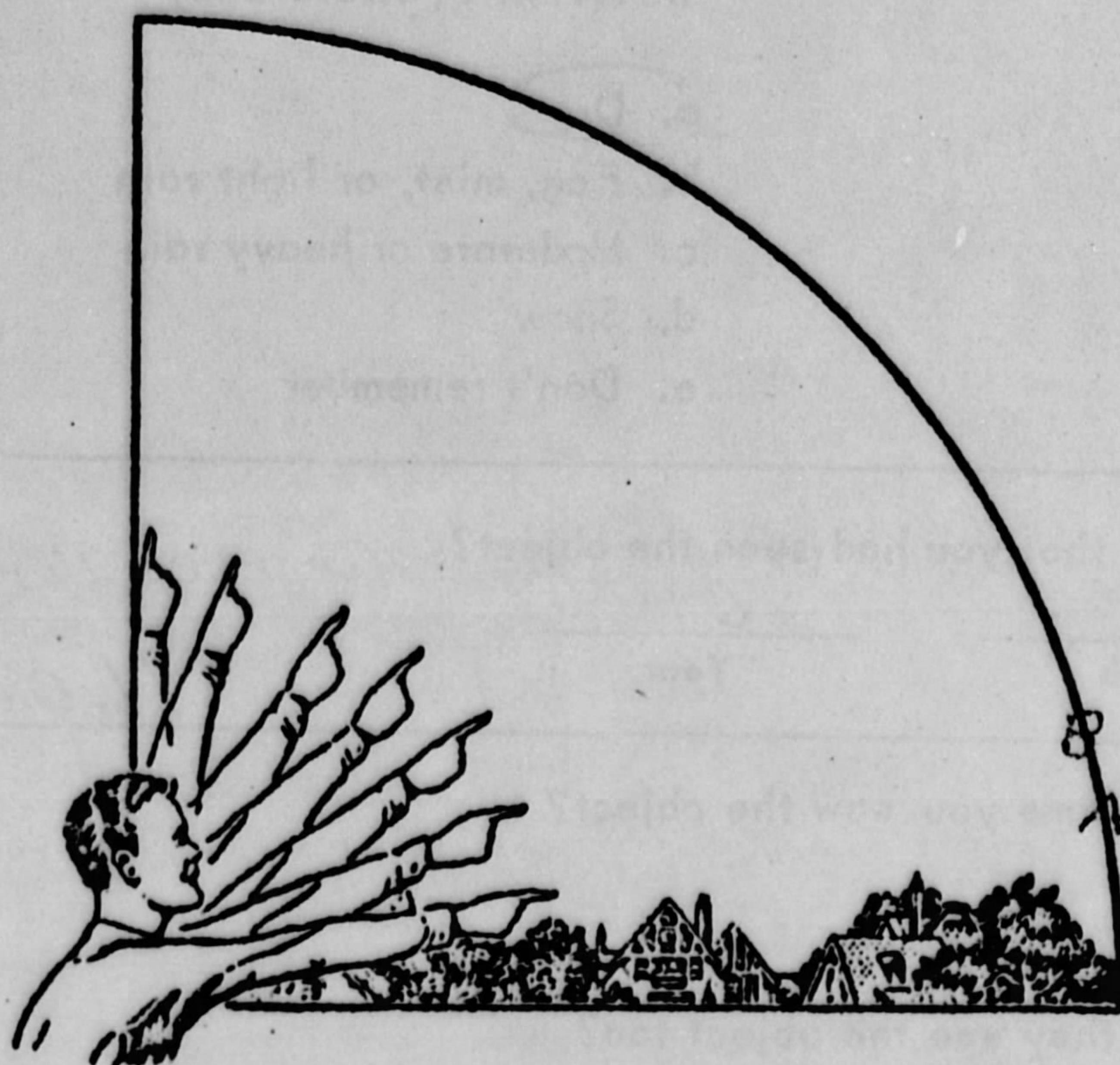
THANKSGIVING Night AT 1105 P.M. Night

Same as above.

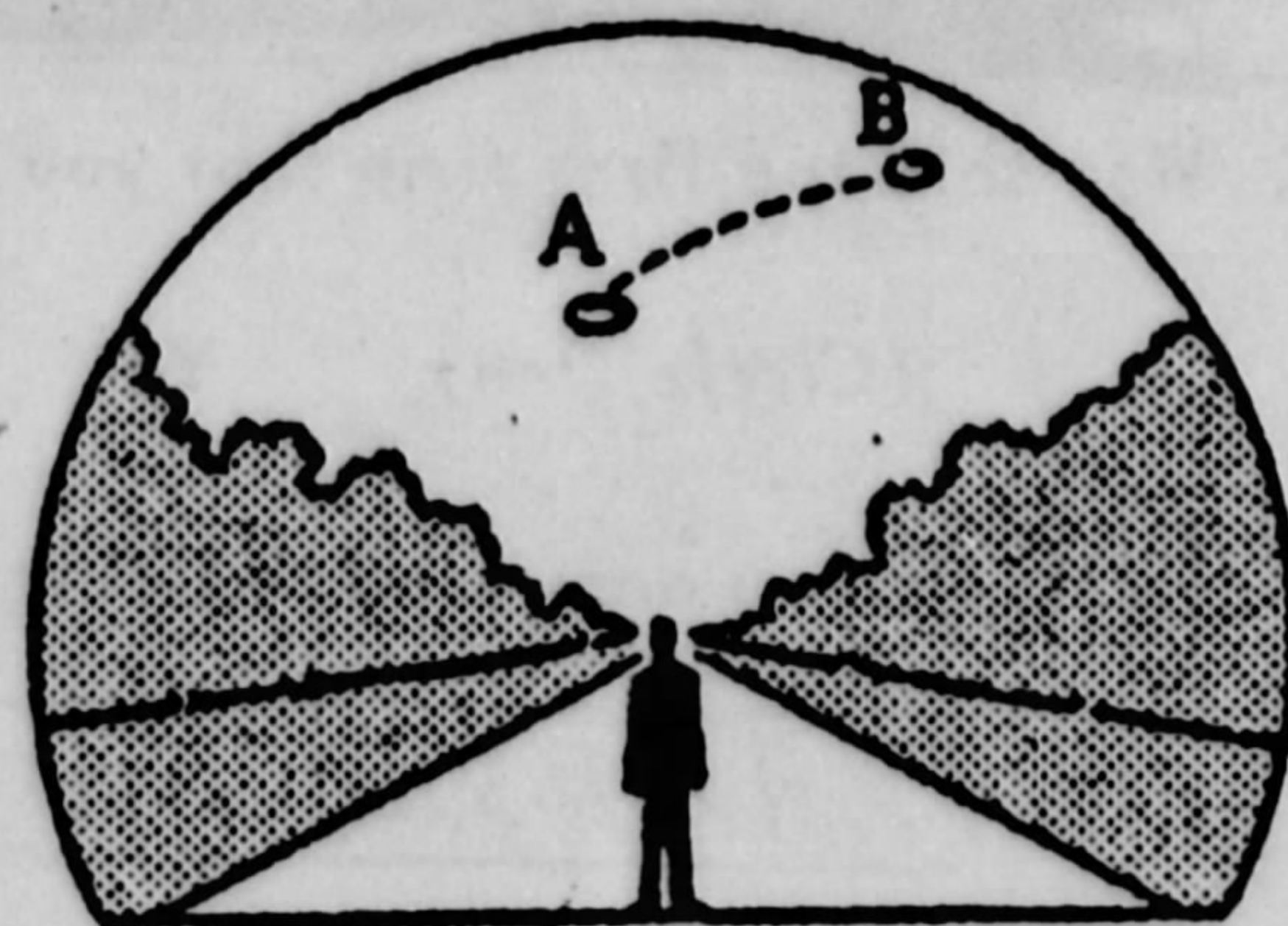
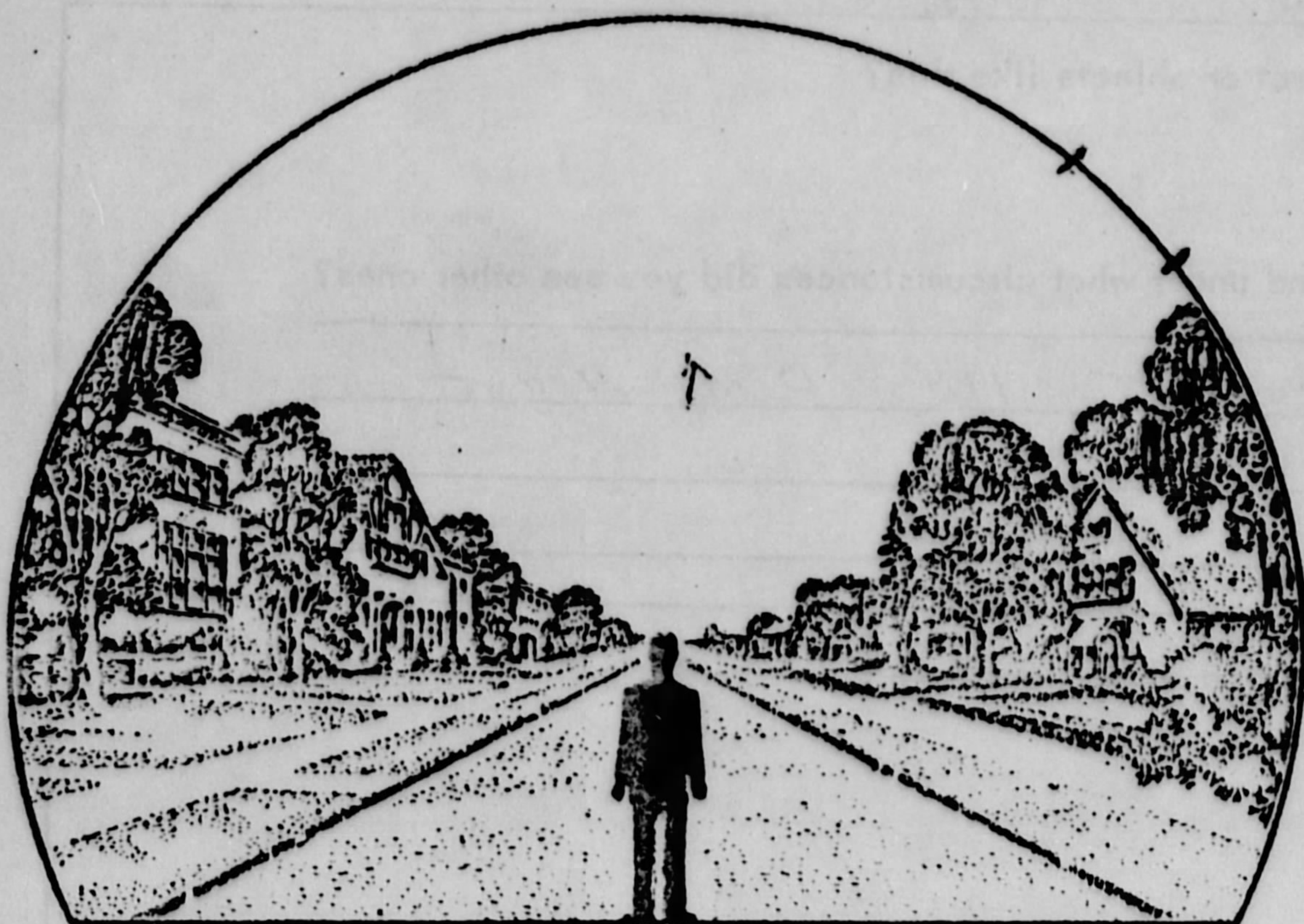
38. In your opinion what do you think the object was and what might have caused it?

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 _____
Last Name First Name Middle Name

ADDRESS _____
Street City Zone State

TELEPHONE NUMBER _____

Age 46 Sex Male

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

42. Date you completed this questionnaire:

Witnessed

23
Day

3
Month

61
Year

SLIDES

JAN. 21, 1961

AKRON, Ohio

Observer: Pulliam

FILE # 1003573

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1975

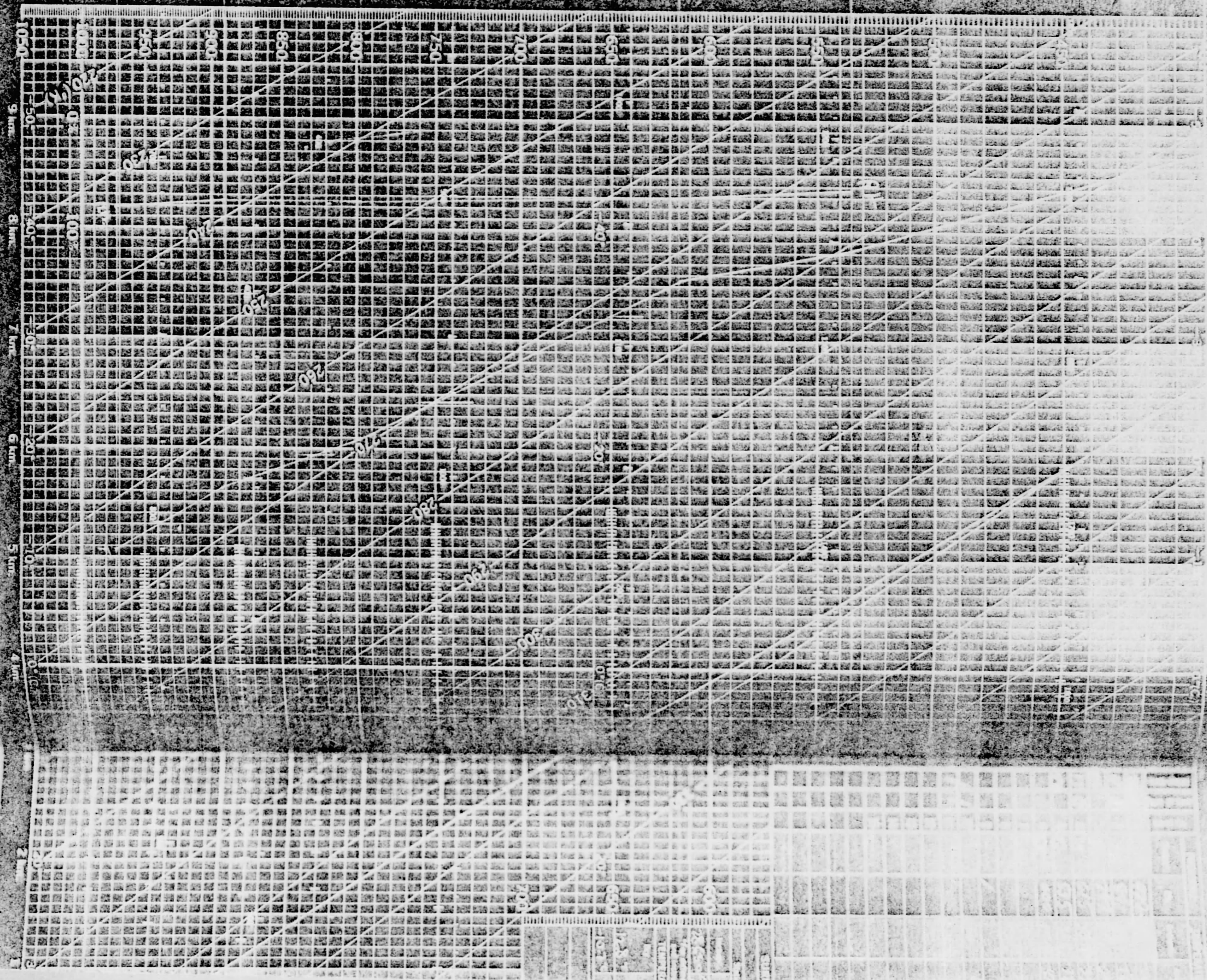
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21 Jan 61

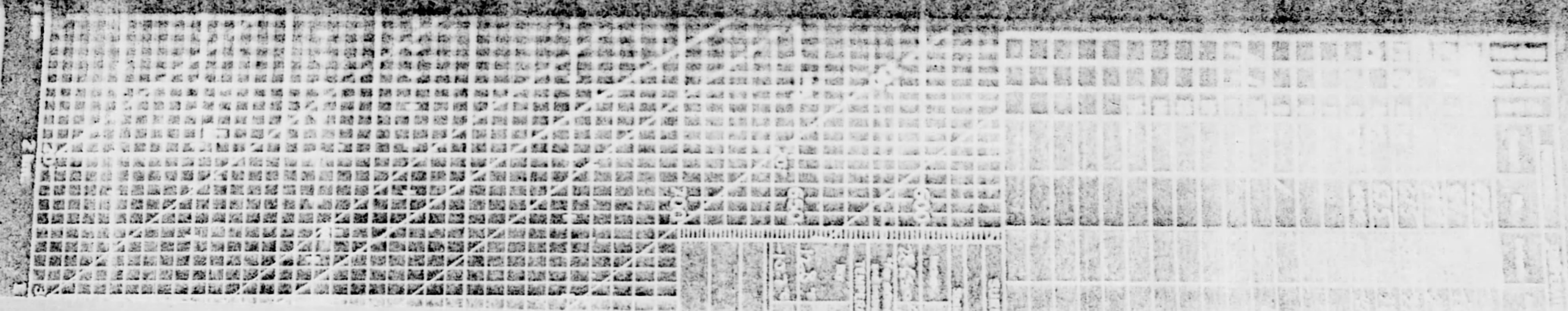
CASE INCLUDES

18 ADIABATIC CHARTS

35 COLOR SLIDES (in
separate folder)



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1071	1072	1073	1074	1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086	1087	1088	1089	1090
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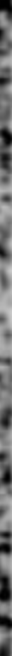
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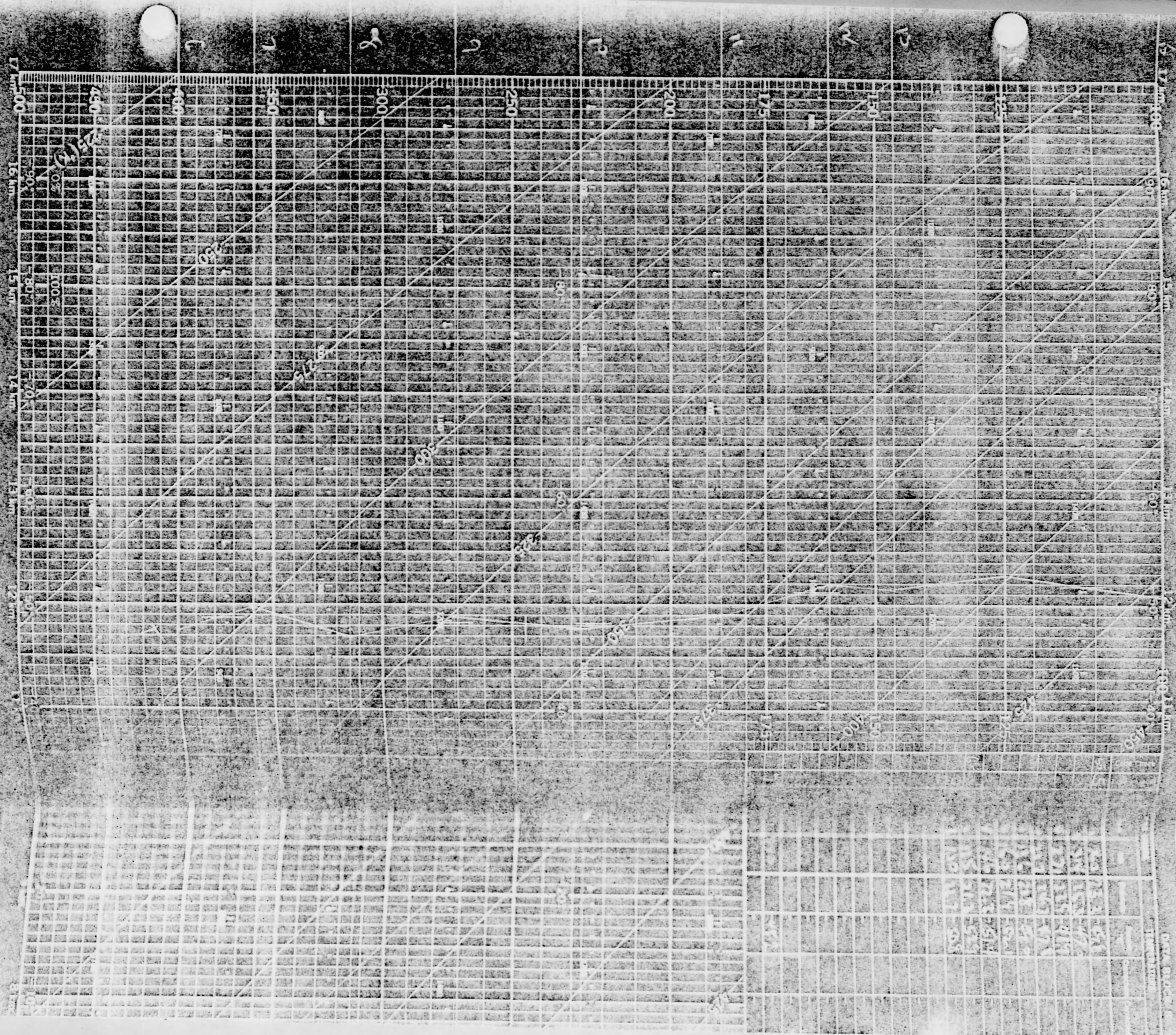
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NATIONAL BUREAU OF STANDARDS

ADIABATIC CHART

PSI/BOE-C

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REMARKS

LEGEND FOR COLLECTING PRESSURE & LOG

Boiling Point (°F)	Pressure (PSI)	Boiling Point (°F)	Pressure (PSI)
101.0	101.0	101.0	101.0
102.0	102.0	102.0	102.0
103.0	103.0	103.0	103.0
104.0	104.0	104.0	104.0
105.0	105.0	105.0	105.0
106.0	106.0	106.0	106.0
107.0	107.0	107.0	107.0
108.0	108.0	108.0	108.0
109.0	109.0	109.0	109.0
110.0	110.0	110.0	110.0
111.0	111.0	111.0	111.0
112.0	112.0	112.0	112.0
113.0	113.0	113.0	113.0
114.0	114.0	114.0	114.0
115.0	115.0	115.0	115.0
116.0	116.0	116.0	116.0
117.0	117.0	117.0	117.0
118.0	118.0	118.0	118.0
119.0	119.0	119.0	119.0
120.0	120.0	120.0	120.0
121.0	121.0	121.0	121.0
122.0	122.0	122.0	122.0
123.0	123.0	123.0	123.0
124.0	124.0	124.0	124.0
125.0	125.0	125.0	125.0
126.0	126.0	126.0	126.0
127.0	127.0	127.0	127.0
128.0	128.0	128.0	128.0
129.0	129.0	129.0	129.0
130.0	130.0	130.0	130.0
131.0	131.0	131.0	131.0
132.0	132.0	132.0	132.0
133.0	133.0	133.0	133.0
134.0	134.0	134.0	134.0
135.0	135.0	135.0	135.0
136.0	136.0	136.0	136.0
137.0	137.0	137.0	137.0
138.0	138.0	138.0	138.0
139.0	139.0	139.0	139.0
140.0	140.0	140.0	140.0
141.0	141.0	141.0	141.0
142.0	142.0	142.0	142.0
143.0	143.0	143.0	143.0
144.0	144.0	144.0	144.0
145.0	145.0	145.0	145.0
146.0	146.0	146.0	146.0
147.0	147.0	147.0	147.0
148.0	148.0	148.0	148.0
149.0	149.0	149.0	149.0
150.0	150.0	150.0	150.0

LEGEND FOR PLOTTED CURVE

Pressure (PSI)

Boiling Point (°F)

Pressure (PSI)

Boiling Point (°F)

DATE AND RELATIVE TIME

Pressure (PSI)	Boiling Point (°F)	Pressure (PSI)	Boiling Point (°F)
101.0	101.0	101.0	101.0
102.0	102.0	102.0	102.0
103.0	103.0	103.0	103.0
104.0	104.0	104.0	104.0
105.0	105.0	105.0	105.0
106.0	106.0	106.0	106.0
107.0	107.0	107.0	107.0
108.0	108.0	108.0	108.0
109.0	109.0	109.0	109.0
110.0	110.0	110.0	110.0
111.0	111.0	111.0	111.0
112.0	112.0	112.0	112.0
113.0	113.0	113.0	113.0
114.0	114.0	114.0	114.0
115.0	115.0	115.0	115.0
116.0	116.0	116.0	116.0
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118.0	118.0	118.0	118.0
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120.0	120.0	120.0	120.0
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123.0	123.0	123.0	123.0
124.0	124.0	124.0	124.0
125.0	125.0	125.0	125.0
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127.0	127.0	127.0	127.0
128.0	128.0	128.0	128.0
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PITTSBURGH, PA
(Circles Pittsburgh Airport)

40 30N 80 13W

Pressure (PSI) Boiling Point (°F)

Pressure (PSI) Boiling Point (°F)

28 Jan 1961 16 Jan 1961 26 Jan 1961

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

PUNCHED CARD No. 10

PUNCHED CARD No. 11

PUNCHED CARD No. 12

PUNCHED CARD No. 13

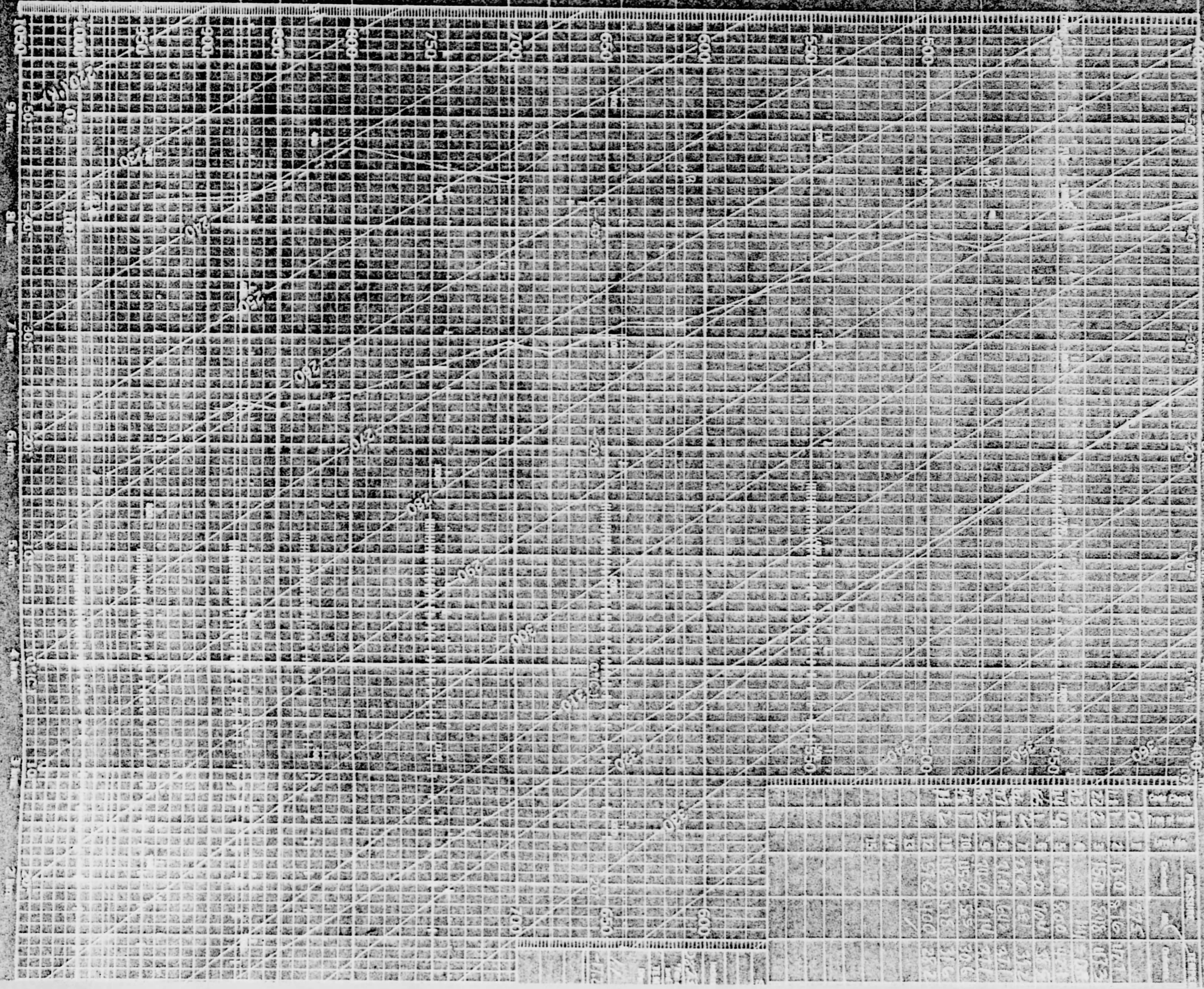
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PUNCHED CARD No. 18



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REMARKS

DEPT. OF COMMERCE
BUREAU OF COMMERCE
WASHINGTON, D. C.
OFFICE OF THE SECRETARY
DIVISION OF COMMERCE
BUREAU OF COMMERCE
WASHINGTON, D. C.

Legend for Record Entries

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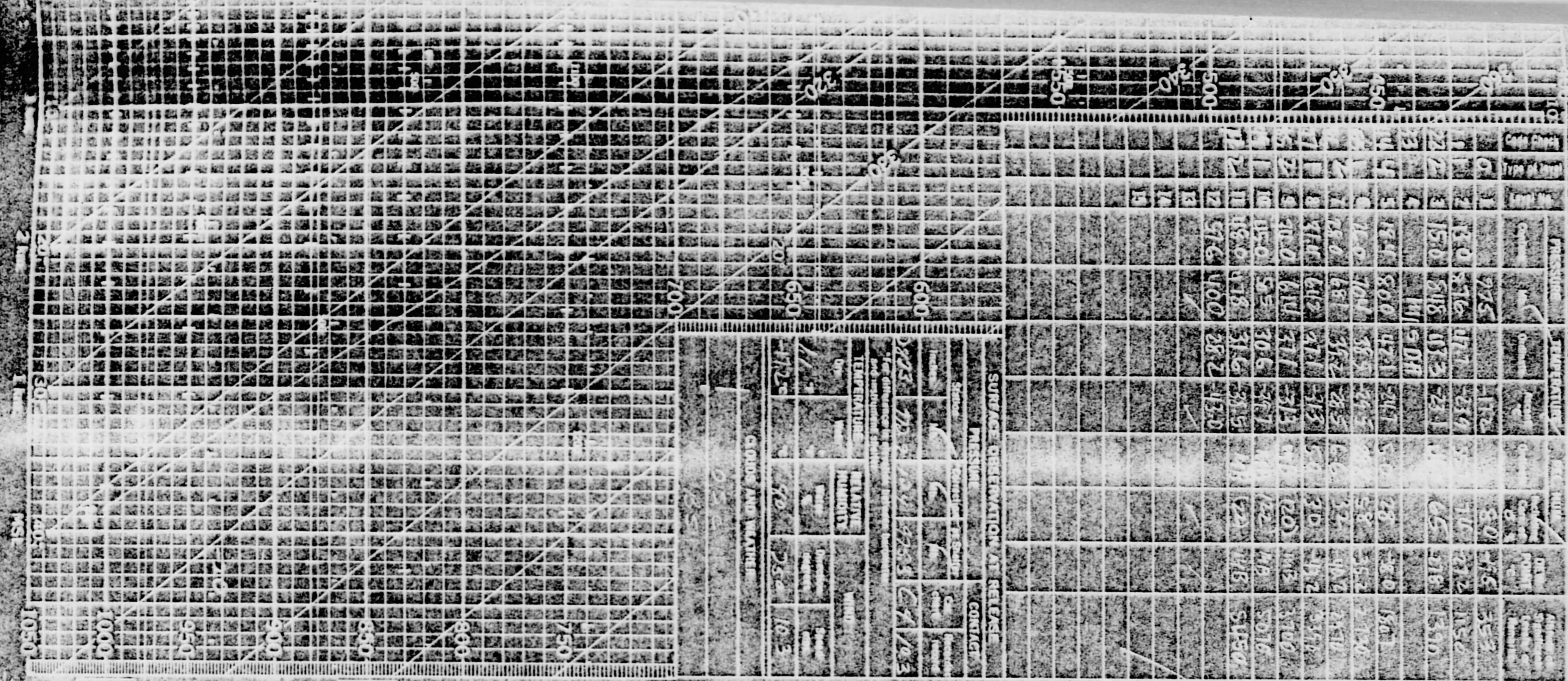
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DATE AND RELEASE TIME

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U.S. DEPARTMENT OF COMMERCE

WEATHER SERVICE

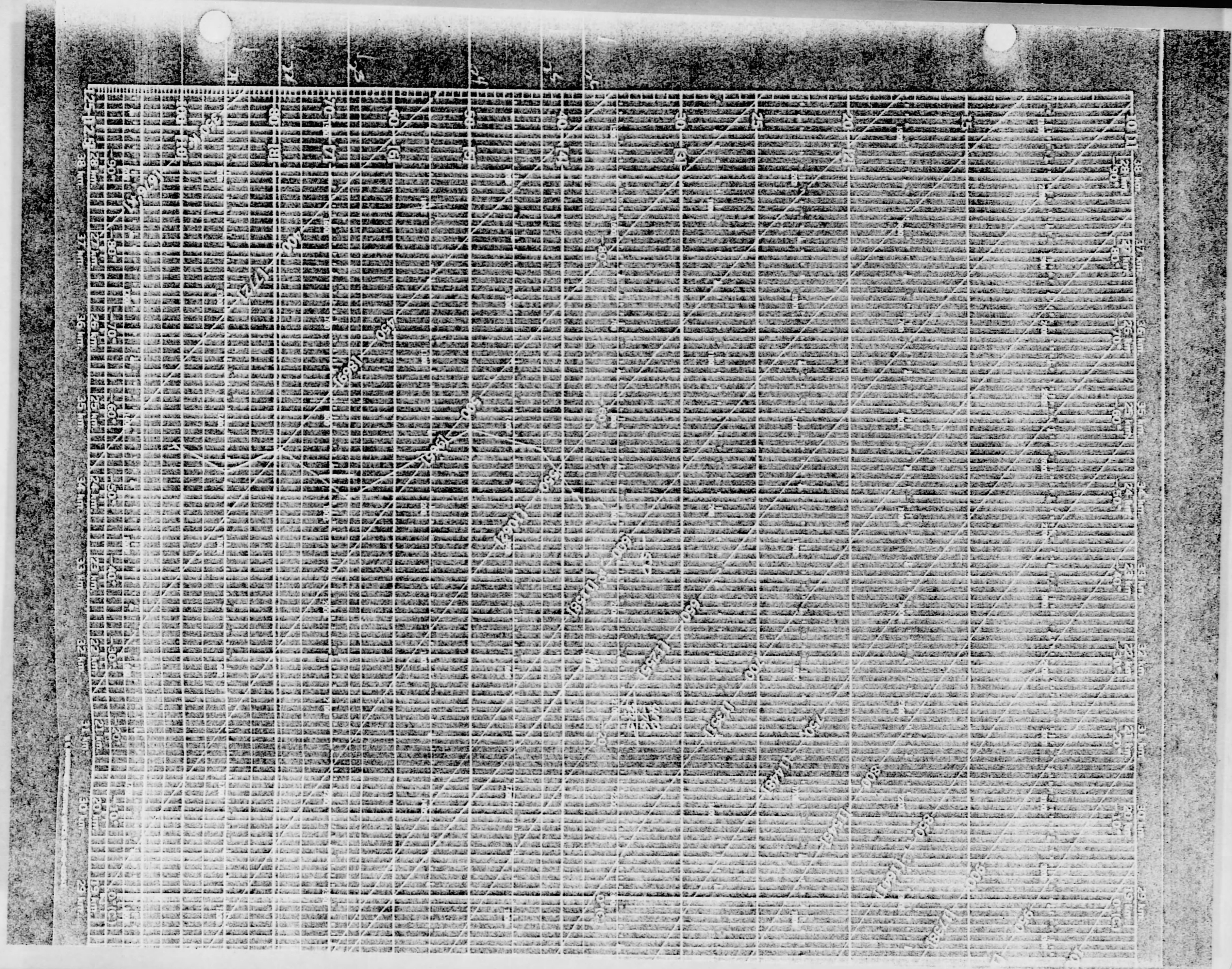
ADIABATIC CHART

NAME _____
 ADDRESS _____
 CITY _____
 STATE _____
 ZIP _____
 PHONE _____
 TITLE _____
 ORGANIZATION _____
 DATE _____
 TIME _____
 LOCATION _____
 HEIGHT _____
 WIND _____
 PRESSURE _____
 TEMPERATURE _____
 HUMIDITY _____
 VISIBILITY _____
 CLOUDS _____
 COMMENTS _____

GROUP WEATHER TO: MARINE/SPC

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U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF METEOROLOGY

ADIABATIC CHART

DATA BLOCK

Pressure	Temperature	Wet-Bulb Temperature	Relative Humidity	Wet-Bulb Depression	Wet-Bulb Equivalent
30.0	100	70	33	30	70
29.0	100	70	33	30	70
28.0	100	70	33	30	70
27.0	100	70	33	30	70
26.0	100	70	33	30	70
25.0	100	70	33	30	70
24.0	100	70	33	30	70
23.0	100	70	33	30	70
22.0	100	70	33	30	70
21.0	100	70	33	30	70
20.0	100	70	33	30	70
19.0	100	70	33	30	70
18.0	100	70	33	30	70
17.0	100	70	33	30	70
16.0	100	70	33	30	70
15.0	100	70	33	30	70
14.0	100	70	33	30	70
13.0	100	70	33	30	70
12.0	100	70	33	30	70
11.0	100	70	33	30	70
10.0	100	70	33	30	70
9.0	100	70	33	30	70
8.0	100	70	33	30	70
7.0	100	70	33	30	70
6.0	100	70	33	30	70
5.0	100	70	33	30	70
4.0	100	70	33	30	70
3.0	100	70	33	30	70
2.0	100	70	33	30	70
1.0	100	70	33	30	70
0.0	100	70	33	30	70

REMARKS

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

PUNCHED CARD No. 10

PUNCHED CARD No. 11

PUNCHED CARD No. 12

PUNCHED CARD No. 13

PUNCHED CARD No. 14

LEGEND FOR CONSTANT PRESSURE BLOCK

Pressure	Temperature	Wet-Bulb Temperature	Relative Humidity	Wet-Bulb Depression	Wet-Bulb Equivalent
30.0	100	70	33	30	70
29.0	100	70	33	30	70
28.0	100	70	33	30	70
27.0	100	70	33	30	70
26.0	100	70	33	30	70
25.0	100	70	33	30	70
24.0	100	70	33	30	70
23.0	100	70	33	30	70
22.0	100	70	33	30	70
21.0	100	70	33	30	70
20.0	100	70	33	30	70
19.0	100	70	33	30	70
18.0	100	70	33	30	70
17.0	100	70	33	30	70
16.0	100	70	33	30	70
15.0	100	70	33	30	70
14.0	100	70	33	30	70
13.0	100	70	33	30	70
12.0	100	70	33	30	70
11.0	100	70	33	30	70
10.0	100	70	33	30	70
9.0	100	70	33	30	70
8.0	100	70	33	30	70
7.0	100	70	33	30	70
6.0	100	70	33	30	70
5.0	100	70	33	30	70
4.0	100	70	33	30	70
3.0	100	70	33	30	70
2.0	100	70	33	30	70
1.0	100	70	33	30	70
0.0	100	70	33	30	70

LEGEND FOR WET-BULB DEPRESSION BLOCK

Pressure	Temperature	Wet-Bulb Temperature	Relative Humidity	Wet-Bulb Depression	Wet-Bulb Equivalent
30.0	100	70	33	30	70
29.0	100	70	33	30	70
28.0	100	70	33	30	70
27.0	100	70	33	30	70
26.0	100	70	33	30	70
25.0	100	70	33	30	70
24.0	100	70	33	30	70
23.0	100	70	33	30	70
22.0	100	70	33	30	70
21.0	100	70	33	30	70
20.0	100	70	33	30	70
19.0	100	70	33	30	70
18.0	100	70	33	30	70
17.0	100	70	33	30	70
16.0	100	70	33	30	70
15.0	100	70	33	30	70
14.0	100	70	33	30	70
13.0	100	70	33	30	70
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8.0	100	70	33	30	70
7.0	100	70	33	30	70
6.0	100	70	33	30	70
5.0	100	70	33	30	70
4.0	100	70	33	30	70
3.0	100	70	33	30	70
2.0	100	70	33	30	70
1.0	100	70	33	30	70
0.0	100	70	33	30	70

DATE AND PLACE

Pressure	Temperature	Wet-Bulb Temperature	Relative Humidity	Wet-Bulb Depression	Wet-Bulb Equivalent
30.0	100	70	33	30	70
29.0	100	70	33	30	70
28.0	100	70	33	30	70
27.0	100	70	33	30	70
26.0	100	70	33	30	70
25.0	100	70	33	30	70
24.0	100	70	33	30	70
23.0	100	70	33	30	70
22.0	100	70	33	30	70
21.0	100	70	33	30	70
20.0	100	70	33	30	70
19.0	100	70	33	30	70
18.0	100	70	33	30	70
17.0	100	70	33	30	70
16.0	100	70	33	30	70
15.0	100	70	33	30	70
14.0	100	70	33	30	70
13.0	100	70	33	30	70
12.0	100	70	33	30	70
11.0	100	70	33	30	70
10.0	100	70	33	30	70
9.0	100	70	33	30	70
8.0	100	70	33	30	70
7.0	100	70	33	30	70
6.0	100	70	33	30	70
5.0	100	70	33	30	70
4.0	100	70	33	30	70
3.0	100	70	33	30	70
2.0	100	70	33	30	70
1.0	100	70	33	30	70
0.0	100	70	33	30	70

ATLANTIC CITY, NJ

Pressure	Temperature	Wet-Bulb Temperature	Relative Humidity	Wet-Bulb Depression	Wet-Bulb Equivalent
30.0	100	70	33	30	70
29.0	100	70	33	30	70
28.0	100	70	33	30	70
27.0	100	70	33	30	70
26.0	100	70	33	30	70
25.0	100	70	33	30	70
24.0	100	70	33	30	70
23.0	100	70	33	30	70
22.0	100	70	33	30	70
21.0	100	70	33	30	70
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18.0	100	70	33	30	70
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4.0	100	70	33	30	70
3.0	100	70	33	30	70
2.0	100	70	33	30	70
1.0	100	70	33	30	70
0.0	100	70	33	30	70

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THE UNIVERSITY OF CHICAGO

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WILLIAM L. CLARK

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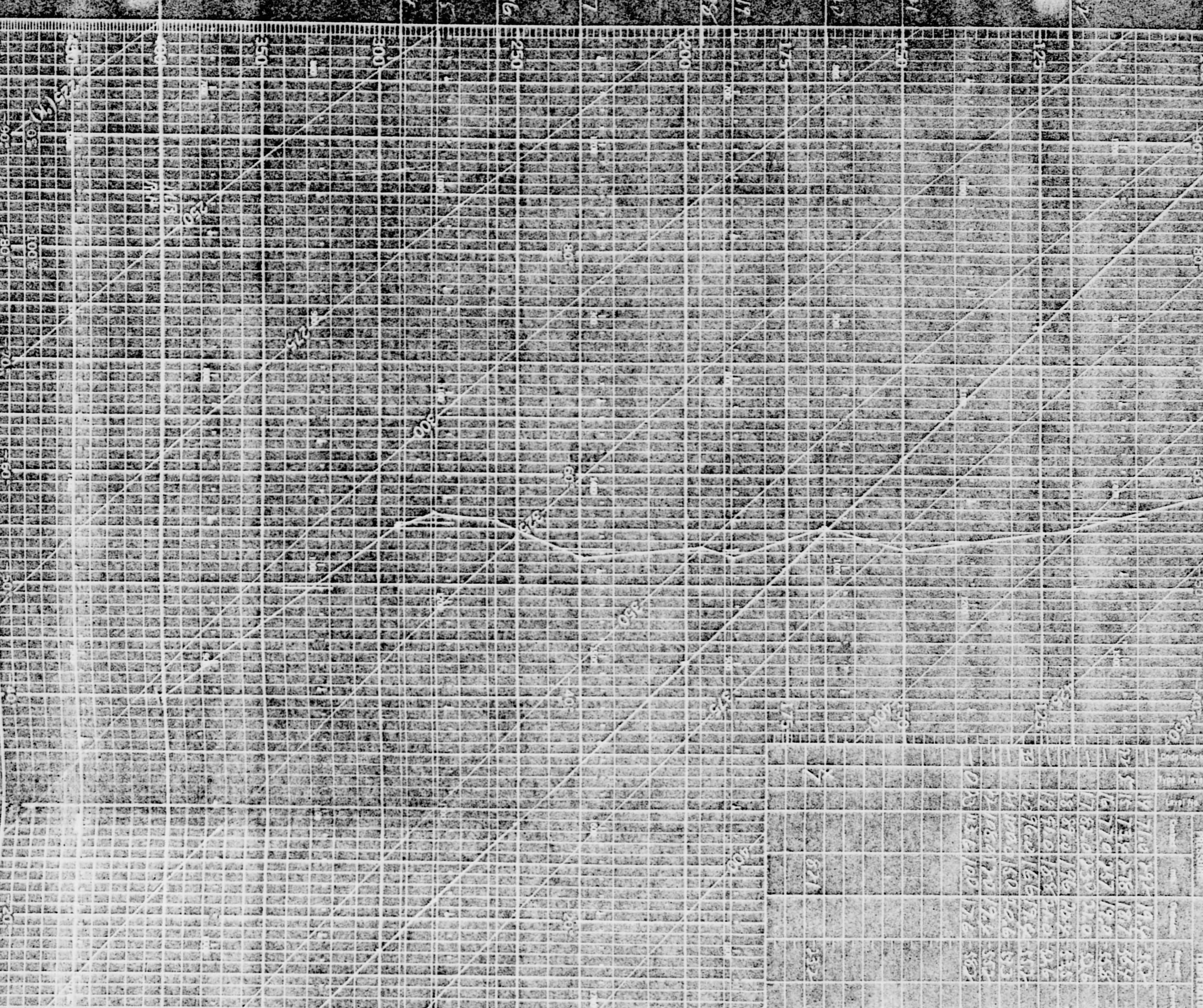
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General Building, Ltd.

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 Iceberg - English Channel
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101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

Specialization conditions for forest enterprises

The image shows a document page with a grid-like structure, likely a ledger or form. The page is heavily degraded with noise and artifacts, making the text illegible. The grid consists of approximately 10 columns and 20 rows. The text within the cells is mostly illegible due to the poor quality of the scan.

COPIES AVAILABLE FOR TRANSMISSION

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LEGEND FOR CONSTANT PRESSURE BLOODS

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LEGEND FOR PLOTTED CURVES

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14/02/2021

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

DATE AND DEPT. OF BIRTH:

1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
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THE UNIVERSITY OF CHICAGO

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DATA RECORD

REMARKS

LEGEND FOR CONSTANT PRESSURE BLOCKS

1990

1-800-451-1000

P. C. Traylor

Volume No. 1911487N

DATE AND RELEASE TIME

0-67-89017-0

10:30 AM - 8:00 PM

THE UNIVERSITY OF CHICAGO

WBAN 104
Formerly WB Form 11394 9199
(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)	VISIB. (MILES)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS (INCH)	TEMP (°F)	DWPT (°F)	DIRECTION	SPEED (KNOTS)	CHARACTER AND SHIFTS	ALTIMETER (INCH)	REMARKS AND SUPPLEMENTAL COORD DATA	OTHER DATA
R	0058	200 E 500	15	SW -	105	14	8	↓	15		977	90402	MD
SM	0100	521 23315	74	57 105	14	8	5	XX	28	110	970	28 42614 30010	MD
R	0158	E 200 900	10	SW -	108	13	8	↓	14		978		MD
R	0258	120 E 250	7	SW -	119	13	8	↓	14	20	981	MD	MD
RS	0358	E 150	5	SW -	115	13	6	↓	10		980	010 1500	MD
RS	0458		15		122	9	1	↓	10		981	SE 30	MD
R	0558		15		125	8	0	↓	8		982		MD
R	0658		15		135	4	-3	↓	10		984	90402 30004	MD
SM	0700	521 03310	74	402 8	135	0	4	00	900		977	214 000 32 902 01 42605	MD
R	0758		12		139	3	-3	↓	7		985		MD
R	0858		15		139	5	0	↓	10		989		MD
R	0958	100 0	12		142	11	4	↓	8		987	210 1030	MD
R	1058	100 0	12		142	13	4	↓	9		987		MD
R	1158	200 100 0	12		142	14	4	↓	9		987		MD
R	1258	300 E 100 0	12		135	18	7	↓	10		985	5815 E 31	MD
SM	1300	521 63012	79	260	135	18		40	530		07207	70012 30002 41803	MD
R	1358	M 250 100 0	12		129	18	4	→	10		984		MD
R	1458	250 E 80 0	12		129	18	3	→	9		984		MD
S	1501	M 220 80 0	21	SW -				→	6			5810	RA
Rc	1558	M 200 80 0	4	SW -	105	17	7	→	6		985	5810 500 1570 1800 1400	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 62303	69	58	146	14		65	00	08205	70012 30002 41803	MD	
R	1958	35 0	8	SW -	146	14	7	→	3		987		RA
R	2058	30 0	5	SW -	146	11	6	↓	4		987		RA
R	2158	150 250	7	SW -	146	10	7	→	3		987	400 1700 0000 1400	RA
S	2203	M 100 250	7	SW -				→	3				RA
S	2245	10 0 250	6	SW -					0				RA
R	2258	10 0 250	6	SW -	142	11	8		0		986		RA
R	2358	25 0	3	SW -	139	11	8		0		985		MD

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STATION AKRON, OHIO AKRON - CANTON AIRPORT DATE JAN 20 1951 FRIDAY

TIME (G.M.T.)	STATION NUMBER (IND.)	DRY BULB (°F.)	WET BULB (°F.)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OPAQUE SKY COVER	WIND DIRECTION (°)	WIND SPEED (KNOTS)	WIND CHANGES	POLY P.P.M.	REMARKS		
						LOWEST LAYER			SECOND LAYER			SUM- TOTAL	THIRD LAYER			SUM- TOTAL	FOURTH LAYER								
						AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT		AMT.							TYPE & DIR.	HEIGHT
0150	28470	14.0	13.1	76	10	3 SC	20	7 SC	E50	10	0			0				10	1	030	T				
0150	28480	13.2	12.5	78	10	7 SC	E20	3 AC	90	10	0			0				10			T				
0150	28510	12.6	12.0	80	7	3 SC	12	4 SC	E25	7	0			7	0			7			T				
0150	28500	11.6	11.0	79	10	10 SC	E15	0		0	0			0	0			10	0	030	T				
0150	28516	8.8	8.9	69	0	0		0		0	0			0	0			0			T				
0150	28520	5.3	5.0	81	0	0		0		0	0			0	0			0							
0150	28540	3.9	3.3	72	0	0		0		0	0			0	0			0	2	040					
0150	28550	3.3	2.9	76	0	0		0		0	0			0	0			0							
0150	28550	5.3	4.9	77	0	0		0		0	0			0	0			0							
0150	28570	11.1	10.2	73	2	2 AC	100	0		2	0			2	0			2	2	030					
0150	28570	13.0	11.6	67	3	3 AC	100	0		3	0			3	0			3							
0150	28565	14.2	13.6	64	5	1 SC	20	4 AC	100	5	0			5	0			5							
0150	28550	17.7	15.7	63	8	5 SC	20	3 AC	E100	8	0			8	0			8	8	020	T				
0150	28540	18.3	15.6	53	9	6 SC	M25	3 AC	100	9	0			9	0			9			T				
0150	28500	12.4	15.4	50	4	3 SC	25	5 AC	E70	8	0			8	0			8			T				
0150	28550	17.0	15.2	65	10	8 SC	M20	2 AC	80	10	0			10	0			9	5	000	T				
0150	28560	16.1	14.2	62	10	6 SC	E35	4 AC	80	10	0			10	0			8			T				
0150	28560	14.0	13.0	74	18	3 SC	35	5 AC	E100	8	0			8	0			7			T				
0150	28570	13.9	13.0	76	7	7 SC	M40	0		7	0			7	0			7	2	020	T				
0150	28570	13.8	12.8	74	5	5 SC	35	0		5	0			5	0			5			T				
0150	28570	11.0	10.5	80	4	4 SC	30	0		4	0			4	0			4			T				
0150	28570	10.4	10.2	85	4	2 FC	15	2 SC	25	4	0			4	0			4	4	000	T				
0150	28570	11.2	11.0	86	5	2 FC	10	3 SC	25	5	0			5	0			5			T				
0150	28550	10.6	10.6	89	10	6 SC	25	0		6	0			6	0			2			T				

SYNOPSIS OBSERVATIONS

TIME (G.C.T.)	TIME (L.S.T.)	MO.	PRESS. (INCH)	SNOW FALL (INCH)	SNOW DEPTH (INCH)	MIN. TEMP. (°F)	MAX. TEMP. (°F)	HGT. ISO MB. SURFACE	STATE OF SKY	SEA STATE & DIR.	SWELL HGT. & DIR.	SWELL PERIOD	SURF. H. & D. 1/4 M.P.	WATER TEMP.	SOIL TEMP.	RAIN GAGE	STATION PRESSURE COMPUTATIONS					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	NO. TO DATA	X	T	T	X	15	14	X	X	X	X	X	X	X	X	X	.02	TIME (L.S.T.)	10 57	01 05	12 01	1853
	0045	1	02	4	2	17	14		9								102	AT. TEMP.				
	0045	1	T	3	2	14	3		9								102	WIND DIR.				
	1845	1	T	T	2	14	3		9								026	WIND S.P.	08170	28340	28500	28570
	1850	1	T	T	2	19	14		9								0	WIND S.P.	08570	28570	28570	28555
	NO.	X	T	T	2	14	10	X	X	X	X	X	X	X	X	X	9	AT. TEMP.	0	1010	1000	1015

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

[illegible]

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)												PRECIP. & THUNDER		BEGAN		ENDED		DUR.		DUR. TO 1/2		DUR. TO 3/4		DUR. TO 100%				
												IN		IN		Hrs. Min.		Hrs. Min.		Hrs. Min.		Hrs. Min.						
RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN
19	3	7	3	2								89	50	10														
REMARKS, NOTES AND MISCELLANEOUS PHENOMENA												SW - CONTD		0430														
												SW -		1815		1331												
												SW -		1510		1520												
												SW -		1520		1630												
												SW -		1630		1730												
												SW -		1810		2040												
												SW -		2040		2145												
												SW -		2145		2240												
												SW -		2240		0000												

10	1158	1174	4	S-F	134	9	4	→	5	982				
R	1158	1174	4	S-F	135	9	4	→	5	982				
R	1158	1174	5	SEHK	135	10	6	→	4	984	114	2500	SE50	
R	1158	1200	6	HK	139	13	7	→	7	985				
R	1158	1500	6	HK	132	15	3	→	10	982				
R	1158	100	6	HK	125	16	3	→	10	982				
SM	1300	2270	1004		125	16		20984	03	987	70043	30002	4/08	
R	1358	1200/115	7		125	16	3	→	11	982				
R	1458	2204	7		129	15	7	→	8	983				
R	1558	1200/115	5	SW	139	15	6	→	10	985	3810	310	15XX	RA
S	1658	E1800/300	2V	SW				→	9		VS89	1V3		RA
S	1658	M1800/300	3	SW				→	10					RA
R	1658	M1500/300	3	SW	149	14	8	→	10	980				RA
S	1700	M1500/300	2V	SW				→	12		VS89	1V3		RA
S	1700	P12X	2V	SW				→	12		VS89	1V3		RA
S	1710	P12X	7/6	SW				→	12		VS89	7/6	2100Y	RA
S	1734	M1400	1/2	SW				→	10					RA
R	1758	E1400	2V	SW	150	12	8	→	12	990	VS89	1V2 1/2		RA
R	1858	M1400/200	3	SW	163	11	7	→	15	992	M000	5000	VS89	RA
SM	1900	521 85515	42	258	163	11	554	XX	07204	70	143	36003	41608	RA
R	1958	M1200	6	SW	166	9	4	→	14	993				RA
R	2058	M1200	6	SW	166	9	5	→	13	993				RA
R	2148	M1800	7	SW	173	9	4	→	13+23	995	210	15XX		RA
R	2258	M2000	7	SW	180	8	1	→	12+21	997				RA
R	2358	M2400	15H	SW	186	5	4	→	12+25	999	WIND	DRY	WIND	WLE

WBAN 101
FORMERLY WB FORM 1130A (100)
(REV. 1-1-55)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

SURFACE WEATHER OBSERVATIONS

STATION AKRON, OHIO AKRON CANTON AIRPORT DATE JAN 21 1961 SATURDAY

TIME (LOCAL)	SKY AND CLOUDS (HOURS OF DAY)	VISIB- ILITY (MILES)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (INCHES)	TEMP. (°F)	DEW PT. (°F)	WIND DIREC- TION	SPEED (KNOTS)	CHARAC- TER AND SHIFTS	ALTIM- ETER SET HIND	REMARKS AND SUPPLEMENTAL COORD DATA	COOR- DINATES
R 0058	25-M	3	SW	119	11	7	C			983		
SM 0100	521 50000	48	SE 129	11	5	5	07	114		980	41905	
R 0158	25-M	2 1/2	FK	125	9	4	N 4			986	5530	
R 0258	25-M	2 1/2	SW-FK	125	10	7	N 7	3		982	5530	
R 0358	25-M	2	SW-FK	122	10	7	C			981	607 157	
R 0458	25-M	1 1/2	S-FK	115	10	7	N 5			979	VSBY 3/4 1 1/4	
R 0558	25-M	1 1/2	S-F	115	9	7	N 5			979	BRNDC	
R 0658	25-M	2	S-F	119	9	6	N 5			980	90402	
SM 0700	521 72705	3	2 718	119	09		155	00		985	03 70022 41909	
R 0758	71745 1 1/2	1 1/2	S-F	129	8	4	N 7			982		
R 0858	71745 1	1	S-F	125	9	4	N 5			982		
R 0958	70 5	5	GENC	130	10	6	N 4			984	114 1500 5551	
R 1058	60 6	6	HK	139	13	7	N 7			985		
R 1158	15 6	6	HK	130	15	2	N 10			981		
R 1258	70 6	6	HK	125	11	3	N 10			982		
SM 1300	257 11	11	4	125	16		709	4		807	70043 30002 41108	
R 1358	50 10	7		135	16	3	N 11			982		
R 1458	50 10	7		139	15	7	N 10			982		
R 1558	50 10	7		135	15	0	N 10			982		

FORM NO. 1
REVISION 1-1-60 (11-1-60)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

SURFACE WEATHER OBSERVATIONS

STATION AKRON, OHIO AKRON - CANTON AIRPORT DATE JAN 21 1961 SATURDAY

TIME (G.M.T.)	STATION PRESSURE (IN.)	DRY BULB (°F.)	WET BULB (°F.)	REL. HUMIDITY (%)	TOTAL CLOUD COVER	CLOUDS AND OBSCURING PHENOMENA												TOTAL OPACI- TY COVER	WIND DIRECTION	WIND SPEED (KNOTS)	WIND GUST (KNOTS)	WIND SHEAR (KNOTS)		
						LOWEST LAYER			SECOND LAYER			SUMMA- TION TOTAL	THIRD LAYER			SUMMA- TION TOTAL	FOURTH LAYER							
						AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT		AMT.						TYPE & DIR.	HEIGHT
0000	28530	10.8	10.6	86	6	10	Sc	25	0			6	0		6	0		2	7	040	T			
0100	28520	9.2	9.2	89	0	0			0			0	0		0	0		0			T			
0200	28520	9.9	9.9	89	10	10	Sc	E25	0			0			0			10			101			
0300	28510	9.8	9.8	89	10	10	Sc	E25	0			0			0			10	6	1020	01			
0400	28490	9.9	9.9	89	10	10	Sc	E25	0			0			0			10			T			
0500	28490	9.2	9.2	89	10	10	Sc	E25	0			10	0		10	0		9			T			
0600	28500	8.9	8.9	88	9	9	Sc	E25	0			9	0		9	0		9	5	010	T			
0700	28520	8.3	8.0	82	10	10	Sc	M17	0			0			0			10			T			
0800	28540	8.8	8.3	79	10	10	Sc	M17	0			0			0			10			T			
0900	28540	9.8	9.5	83	5	5	Sc	17	0			5	0		5	0		5	1	010	T			
1000	28550	12.7	12.0	78	1	1	Sc	20	0			1	0		1	0		1						
1100	28540	15.4	13.0	57	4	4	Sc	10	0			4	0		4	0		4						
1200	28620	14.4	14.0	55	2	2	Sc	7	0			2	0		2	0		2	8	020				
1300	28620	14.3	14.0	67	8	3	Sc	20	5	0	1	5	0		8	0		5						
1400	28530	13.2	13.8	69	10	10	Sc	E20	0			0			0			10						
1500	28530	14.4	13.4	67	10	5	Sc	18	5	Sc	M35	10	0		0			10	3	030	T			
1600	28590	14.4	13.4	74	10	7	Sc	M15	3	Sc	30	10	0		0			10			T			
1700	28600	12.4	12.0	83	10	10	Sc	E14	0			0			0			10			T			
1800	28620	11.4	10.9	81	10	6	Sc	M14	4	Sc	20	10	0		0			10	2	070	01			
1900	28630	9.3	8.8	79	10	10	Sc	M20	0			0			0			10			T			
2000	28630	9.3	8.9	81	10	10	Sc	M18	0			0			0			10			T			
2100	28650	9.1	8.6	79	10	10	Sc	M18	0			0			0			10	2	030	T			
2200	28670	7.7	7.0	79	10	10	Sc	M20	0			0			0			10			T			
2300	28680	5.0	4.1	66	10	6	Sc	M24	4	Sc	15	10	0		0			10			T			

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (INS.)	SNOW FALL (INS.)	SNOW DEPTH (INS.)	MAX. TEMP. (°F.)	MIN. TEMP. (°F.)	HGT. SEA LEV. CLIMAX	STATE OF SKY	SEA STATE & DIR.	SWELL HGT. & DIR.	SWELL PERIOD	SURF. WAVE HGT. & DIR.	WAVE TEMP.	SOIL TEMP.	RAIN GAGE	STATION PRESSURE COMPUTATIONS				
AMT.	DIR.		AMT.	DIR.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	AMT.	TIME (L.S.T.)	0000	0600	1200	1800
0000		X	T	1	X	11	10	X		X	X	X	X	X	X	0	0000	2855	2865	2870	2855
0100		1	T	1	2	14	10		9							0	0100				
0200		1	T	2	2	11	9		9							0	0200				
0300		1	T	4	3	11	8		9							0	0300				
0400		1	T	3	3	16	11		9							0	0400				
0500		X	T	1	3	11	5	X		X	X	X	X	X	X	0	0500				

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

24-HR. MAX. TEMP. (°F.)	24-HR. MIN. TEMP. (°F.)	24-HR. PRECIP. WATER EQUIV. (IN.)	24-HR. SNOWFALL (IN.)	24-HR. SNOW DEPTH (IN.)	24-HR. WIND SPEED (KNOTS)	24-HR. WIND DIRECTION	24-HR. WIND GUST (KNOTS)	24-HR. WIND SHEAR (KNOTS)	24-HR. WIND TEMP. (°F.)	24-HR. WIND SOIL TEMP. (°F.)	24-HR. WIND RAIN GAGE	24-HR. WIND WAVE HGT. & DIR.	24-HR. WIND WAVE PERIOD	24-HR. WIND WAVE TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL (IN.)	24-HR. WIND WAVE SNOW DEPTH (IN.)	24-HR. WIND WAVE STATE OF SKY	24-HR. WIND WAVE SEA STATE & DIR.	24-HR. WIND WAVE SWELL HGT. & DIR.	24-HR. WIND WAVE SWELL PERIOD	24-HR. WIND WAVE SURF. WAVE HGT. & DIR.	24-HR. WIND WAVE SURF. WAVE PERIOD	24-HR. WIND WAVE WIND TEMP.	24-HR. WIND WAVE SOIL TEMP.	24-HR. WIND WAVE RAIN GAGE	24-HR. WIND WAVE PRECIP. (IN.)	24-HR. WIND WAVE SNOW FALL
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THE WATSONS' EX-EMINENT MEN

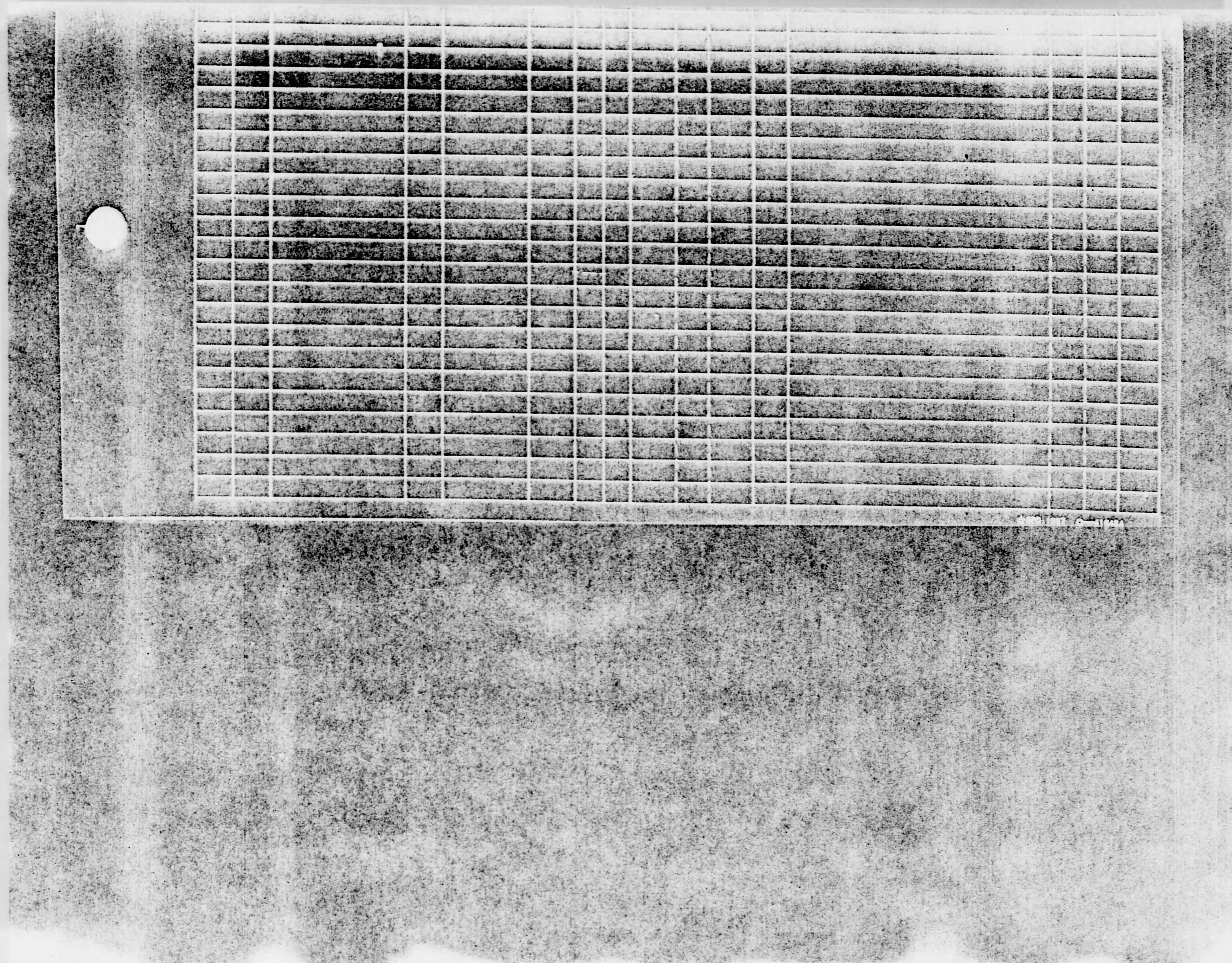
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WBAN 104
Formerly WB Form 1200a (Rev. 1-1-65)

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 (Hundred of Feet)	VISIBILITY (Miles)	WEATHER and OBSTRUCTIONS TO VISION	SEA LEVEL PRESSURE (Inches)	TEMP (F)	DEW PT (F)	WIND DIRECTION (True)	WIND SPEED (Mph)	CHARACTER and SHIFTS	ALTITUDE (Feet)	REMARKS AND SUPPLEMENTAL DATA	OBSEVER'S INITIALS
R	0058	20 (D)	15	SW -	180.3	5	-2	13	997				ML
SM	0100	521 2 24 13	74858	180.3	25	500	95007	70073	30003	41608			ML
R	0158	20 (D)	15	SW -	180	1	-4	12	997				ML
R	0258	17 (D)	15	SW -	183	0.5	-7	12	998	(D) ONLY (D)			ML
R	0358	17 (D)	15	SW -	186	0.6	-7	15	999	103 1500			ML
R	0458	M 17 (D)	15	SW -	189	1	-6	13	999	(D) V (D)			ML
R	0558	17 (D)	15	SW -	189	0.5	-7	12	999	(D) V (D)			ML
R	0658	17 (D)	15	SW -	186	0.5	-7	13	999	90403			ML
SM	0700	521 2 24 13	74858	186.00	25	400	95500	70083	30001	41600			ML
R	0758	M 17 (D)	15	SW -	193	1	-8	15	999				ML
R	0858	M 17 (D)	15		207	1	-5	14	999	5805			ML
R	0958	17 (D) / (D)	15		203	3	-2	13	999	117 1504			ML
R	1058	17 (D) / (D)	15		213	5	-6	14	999				ML
R	1158	20 (D) / (D)	15		213	8	-9	15	999				ML
R	1258	M 17 (D)	4	SW - BS	200	9	-1	17	999	SB 45			ML
SM	1300	722 17	56701		200	07		15	999	70013 30001 40900			ML
R	1358	E 17 (D)	12		193	10	2	16	999	5215			ML
R	1458	M 17 (D)	12		193	12	2	15	999				ML
R	1558	M 25 (D)	12		193	11	3	12	999	607 1500			RA
R	1658	25 (D) / 20 (D)	10		196	11	-4	14	999				RA
R	1758	25 (D) / 20 (D)	7		200	9	-1	12	999				RA
R	1858	120 - (D)	7		196	7	1	7	999				RA
SM	1900	521 32 07	61011		196.07	00970	01000			70063 41200			RA
R	1958	25 (D)	7	SW -	200	7	1	6	999	5830			RA
R	2058	M 30 (D)	7	SW -	196	7	3	4	999				RA
R	2158	M 30 (D)	7	SW -	193	7	3	3	999	803 1500			RA
R	2258	M 30 (D)	5	SW -	186	7	2	1	999				RA
R	2358	M 30 (D)	5	SW -	183	7	3	1	999				RA



U. S. DEPARTMENT OF COMMERCE WEATHER BUREAU

SURFACE WEATHER OBSERVATIONS

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

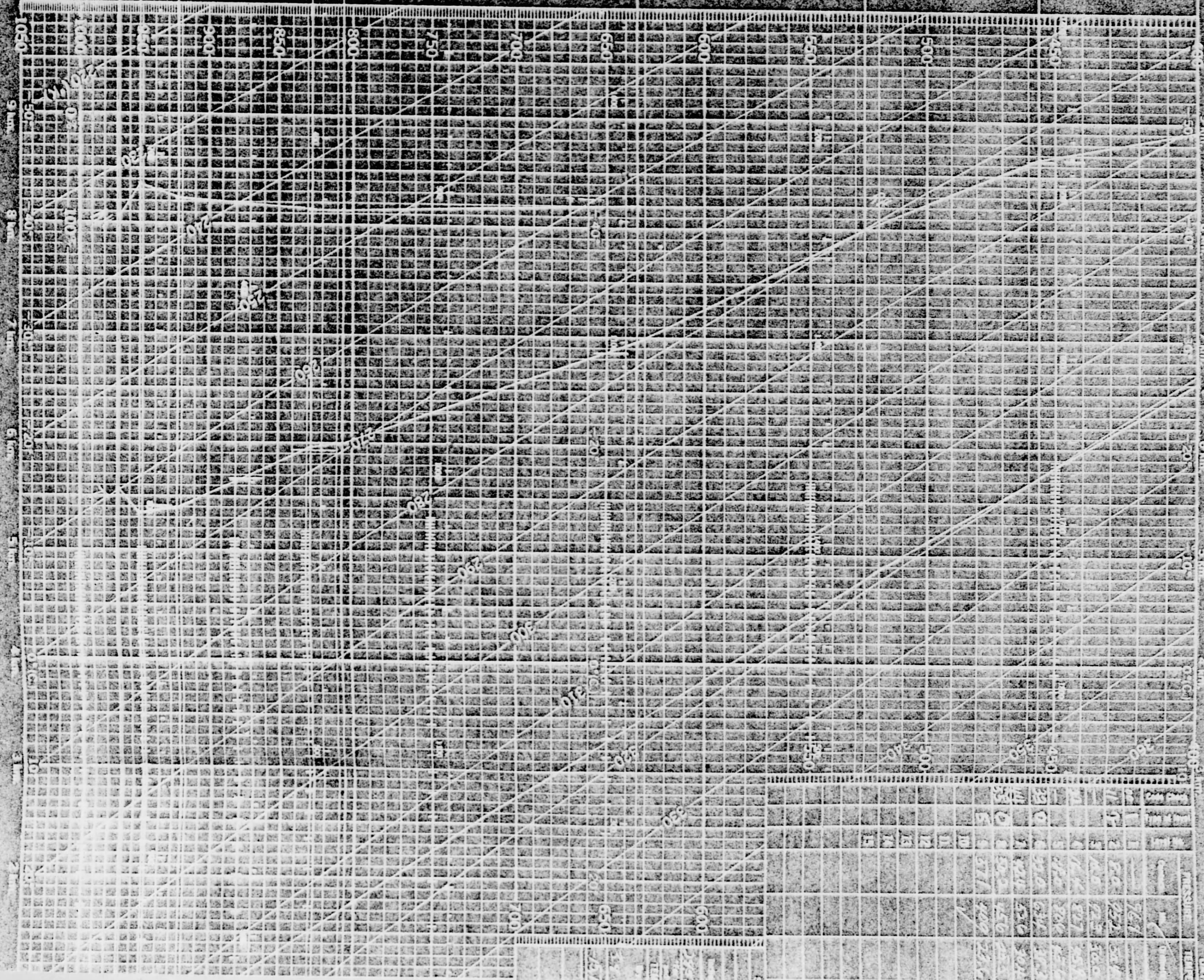
SYNOPTIC OBSERVATIONS

[illegible]

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

[illegible]

[illegible]



THE UNIVERSITY OF CHICAGO

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430	435
438	443

237 968 553

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