

PROJECT 10073 RECORD CARD

1. DATE Sighting 0630 CST 26 Nov 57 Investigat. 9 Dec 57		2. LOCATION 15-20 Mi W of Jolliet, Illinois		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other Prob Contrails of B-47 ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local 0630 CST GMT 26/1230Z		4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☒ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Civilian, Indiana ANG Pilot			
7. LENGTH OF OBSERVATION 10 minutes		8. NUMBER OF OBJECTS one		9. COURSE East	
10. BRIEF SUMMARY OF SIGHTING A 31 year old former USAF pilot, now an ANG Capt flew an F-86A at 40,000 ft on 26 Nov. While W of Jolliet, Ill at 0630 CST, he observed an obj about size of nickel first stationary, later disappearing eastward and slightly to the north. Source observed obj for about 10 minutes. When obj disappeared, source noticed 3 B-47's at 33,000 ft. Attempted to contact them but was not successful. When he sighted UFO he notified Chicago ARTC via radio. Rpt was conveyed to ADCC 30A Div WRAFS, Michigan.				11. COMMENTS Investigator contacted AC&W and FIS units in the area & two ADiv. No record of unusual sightings was found. No other persons appeared to have seen the object except the source. It appears probable that the B-47's at one time crossed the flight-path of the F-86. It also appears probable that their contrails reflected by the rising sun behind & below appeared to the F-86 pilot to be an unusual phenomena. As the sun rose sighting could have disappeared.	

29 Nov 57 00-30

17
25 4E4
3-4X2a
ADD

SQH043V SQA161 YMB103BWA102

RR RJEDDN RJEDSQ RJEPHQ RJEPNB

DE RJEDBW 56

R 271355Z

FM COMDR 30 ADIV DEF WRAFS

TO RJEDDN/COMDR ADC ENT AFB

RJEPNB/COMDR EADF STEWART AFB

RJEDSQ/COMDR ATIC WRIGHT PATTERSON AFB

RJEPHQ/DIRECTOR OF INTELLIGENCE USAF

BT

/UNCL/DI 18465. IN ACCORDANCE WITH 200-2 AFR, THIS UFOB

IS SUBMITTED:

1. A. FLAT
- B. LARGE
- C. SILVER
- D. 1 (ONE)
- E. NONE
- F. LONGER THAN WIDE ✓
- G. MAKING CONTRAIL, OBSERVING A/C WAS NOT
- H. NONE

halo effect not contrails

PAGE TWO RJEDBW 56

1. EXCEPTIONAL ALT. & GREAT SPEED, ACUTE MANEUVERS

2. A. CAME INTO PILOT'S VIEW

B. 345 DEGREES FROM DEAD AHEAD

C. HIGH INTO THE EAST

D. CAME AT OBSERVER AT HIGH SPEED, SLOWED DOWN CHANGED COURSE
AND HEADED EAST

E. FADED FROM SIGHT

F. 10 MINUTES

3. A. VISUAL

B. NONE

C. PILOT OF F 86 AT 44,000 FEET

4. A. 1230Z

26 1230Z NOV

B. DAY

5. A. 40 MILES WEST OF JOLIET, ILL.

B. NONE

6. A. CAPT [REDACTED] VAN WERT MUNICIPAL APRT.

VAN WERT, OHIO, PHONE VAN [REDACTED] INDIANA NAT'L GD

7. A. CLEAR

8. NONE

9. NONE

TWV sent to 1006th A.S.F.
for preliminary investigation
(Believe this is "unidentified"
a/c and not UFO)

4. A. 1230Z 26 1230Z NOV

B. DAY TWILIGHT

5. A. 40 MILES WEST OF JOLIET, ILL.

B. NONE

6. A. CAPT [REDACTED], VAN WERT MUNICIPAL APRT.

VAN WERT, OHIO, PHONE VAN WERT [REDACTED] 700-1000 AM 12 60

7. A. CLEAR

8. NONE

9. NONE

WV sent to 1006th A-SF
for preliminary investigation
(Believe this is "unidentified"
a/c and not UFO)

PAGE THREE RJEDBW 56

10. NONE

11. NONE

12. NONE

13. NONE

BT

27/1857Z NOV RJEDBW

JOINT MESSAGEFORM				SECURITY CLASSIFICATION UNCLASSIFIED					
SPACE BELOW RESERVED FOR COMMUNICATION CENTER									
PRIORITY 5 DEC 57 17 21Z				157/12 05/18074					
PRECEDENCE		TYPE MSG (Check)		ACCOUNTING SYMBOL		ORIG. OR REFERS TO		CLASSIFICATION OF REFERENCE	
ACTION PRIORITY		BOOK		MULTI		SINGLE X		AF	
INFO		DI-18465		UNCL					
FROM: COMDR ATIC WPAFB/								SPECIAL INSTRUCTIONS	
TO: COMDR, ADC, ENT AFB, COLORADO SPRINGS, COLORADO ATTN: DIRECTOR OF INTELLIGENCE								RTE DDN.	
/UNCL/FROM: AFCIN-4E4 12-1914-E CITE UFO REPORT, DI-18465, DTD 27 NOVEMBER 57. RE USAF PILOT'S SIGHTING WHILE FLYING F-86 AT 44,000 FT NEAR JOLIET, ILLINOIS. REQUEST PRELIMINARY INVESTIGATION. OBJECT LARGE, FLAT, SILVER COLORED, HAD GREAT SPEED AND PERFORMED ACUTE MANUEVERS. PILOT REPORTS OBJECT CAME AT HIM AT HIGH SPEED AND THEN CHANGED COURSE. CLAIMS HE OBSERVED OBJECT FOR 10 MINUTES. BELIEVE THIS IS QUOTE UNIDENTIFIED AIRCRAFT UNQUOTE OF 100 SERIES, AND NOT UFO REPORT. HOWEVER, AS REPORT IS OFFICIAL FROM USAF PILOT, AND CONSIDERED IN A-1 CATEGORY, RESOLVING INCIDENT IS CONSIDERED WARRANTED IN VIEW OF CURRENT RASH OF UFO SIGHTINGS. DISREGARD, IF ACTION TAKEN.									
COORDINATION:									
AFCIN-4E4 H. Miley DATE 3 Dec 57								DATE 03 TIME 1115	
AFCIN-4E K. G. Gilbert DATE _____								MONTH DEC YEAR 57	
SYMBOL AFCIN-4E4 08 53				SIGNATURE Robert E. O'Connor				TYPED (or stamped) NAME AND TITLE ROBERT E. O'CONNOR Captain, USAF Assistant Adjutant	
TYPED NAME AND TITLE (Signature if required) Capt G.T. Gregory				TYPED (or stamped) NAME AND TITLE					
PHONE 69216		PAGE NR. 1		NR. OF PAGES 1					
SECURITY CLASSIFICATION UNCLASSIFIED									

CIVILIAN, Ind ANG pilot

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?

26 Nov 1957
Day Month Year

2. Time of day: 0630
Hour 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?

in the vicinity of Joliet, Ill.
Nearest Postal Address City or Town State or Country

Additional remarks: 15 miles west to

5. Estimate how long you saw the object. 0 14
Hours Minutes Seconds

5.1 Circle one of the following to indicate how certain you are of your answer to Question 5.

a. Certain
b. Fairly certain

c. Not very sure
d. Just a guess

6. What was the condition of the sky?

(Circle One): a. Bright daylight
b. Dull daylight
c. Bright twilight (Dawn)

d. Just a trace of daylight
e. No trace of daylight
f. Don't remember

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

(Circle One): a. In front of you Slightly Right
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, TWILIGHT, or DAWN, 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. Was the object brighter than the background of the sky?

(Circle One):

a. Yes

b. No

c. Don't remember

10. IF it was BRIGHTER THAN the sky background, was the brightness like that of an automobile headlight?:

NA

(Circle One)

- a. A mile or more away (a distant car)?
 b. Several blocks away?
 c. A block away?
 d. Several yards away?
 e. Other

11. Did the object:

(Circle One for each question)

- | | | | |
|---|-----|----|------------|
| a. Appear to stand still at any time? | Yes | No | Don't Know |
| b. Suddenly speed up and rush away at any time? | Yes | No | Don't Know |
| c. Break up into parts or explode? | Yes | No | Don't Know |
| d. Give off smoke? | Yes | No | Don't Know |
| e. Change brightness? | Yes | No | Don't Know |
| f. Change shape? | Yes | No | Don't Know |
| g. Flicker, throb, or pulsate? | Yes | No | Don't Know |

12. Did the object move behind something at anytime, 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 anytime, particularly a cloud?

(Circle One):

Yes

No

Don't Know.

IF you answered YES, then tell what

it moved in front of: _____

14. Did the object appear: (Circle One):

a. Solid?

b. Transparent?

c. 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 | Yes | No | h. Other _____ | | |

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

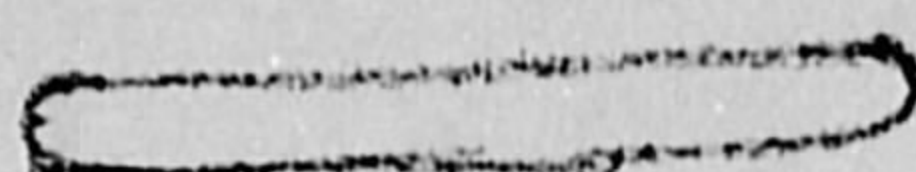
a. Sound

NA

b. Color

Mottled metal

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.


Moved Directly Away

18. The edges of the object were:

(Circle One): a. Fuzzy or blurred

b. Like a bright star

c. Sharply outlined

d. Don't remember

e. Other

19. IF there was MORE THAN ONE object, then how many were there? only 1
Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

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.

I closed on the object head on, then it appeared to depart straight away then before it disappeared it angled to the left

21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension.
2 feet.

22. How large did the object or objects appear as compared with one of the following objects held in the hand and at about arm's length?

(Circle One):

- a. Head of a pin
 b. Pea
 c. Dime
 d. Nickel
 e. Quarter
 f. Half dollar

- g. Silver dollar
 h. Baseball
 i. Grapefruit
 j. Basketball
 k. Other _____

- 22.1 (Circle One of the following to indicate how certain you are of your answer to Question 22.

- a. Certain
 b. Fairly certain

- c. Not very sure
 d. Uncertain

23. How did the object or objects disappear from view? got smaller till I couldn't see it any more

24. In order that you can give as clear a picture as possible of what you saw, we would like for you to imagine that you could construct the object that you saw. Of what type material would you make it? How large would it be, and what shape would it have? 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.

Heat a steel disc^{or rod} to yellow white and suspend it so the edge or length of it would be exposed to you.

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
- 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. Flying 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?

Flying at 44,000 ft it was straight
ahead of 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
- b. Northeast
- c. East
- d. Southeast
- e. South
- f. Southwest
- g. West
- h. Northwest

28.2 How fast were you moving? 1.82 Mach 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
- b. Northeast
- c. East
- d. Southeast
- e. South
- f. Southwest
- g. West
- h. Northwest

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

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

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

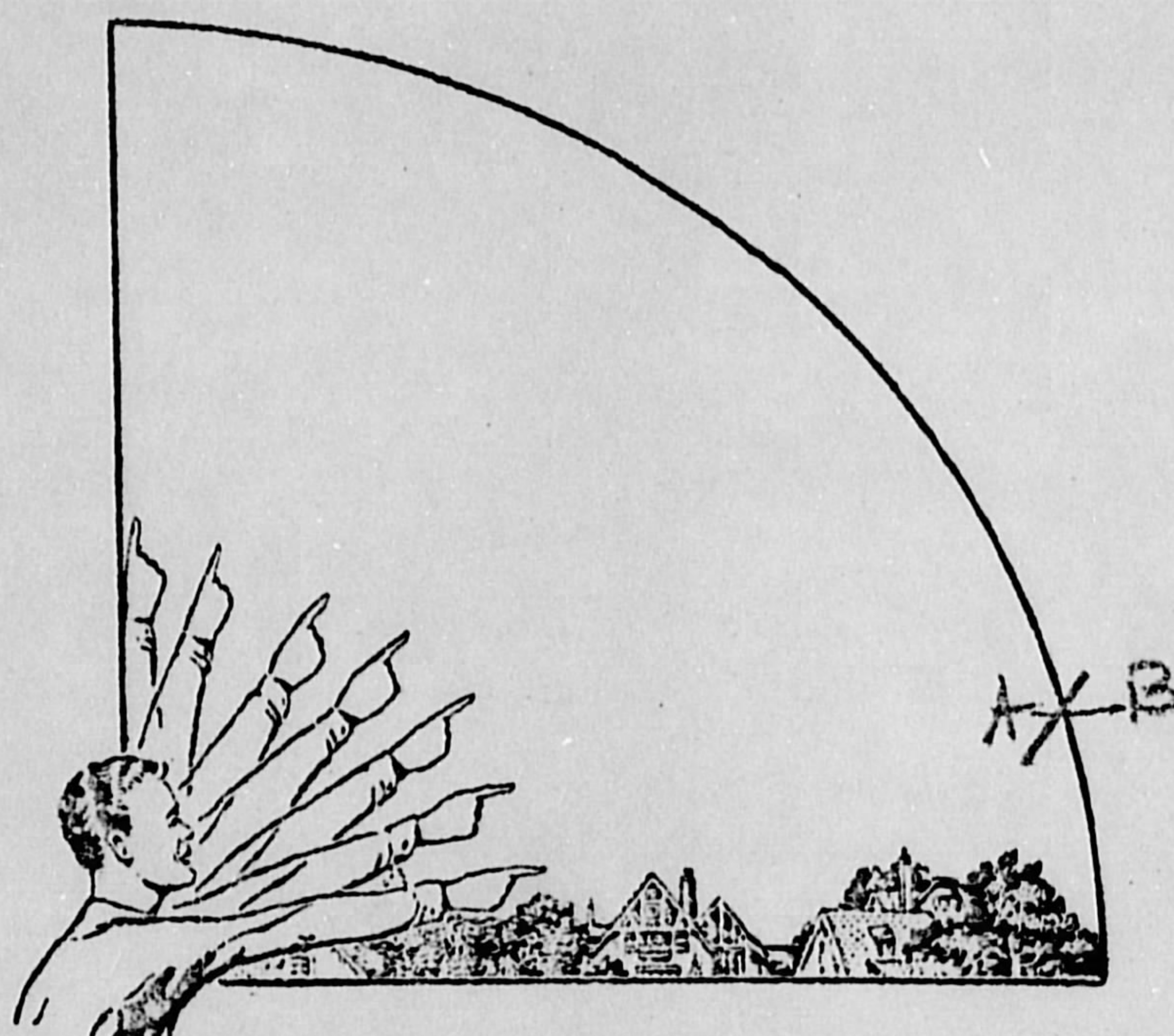
31.1 When it first appeared:

- a. From true North 085 degrees.
- b. From horizon 15 degrees.

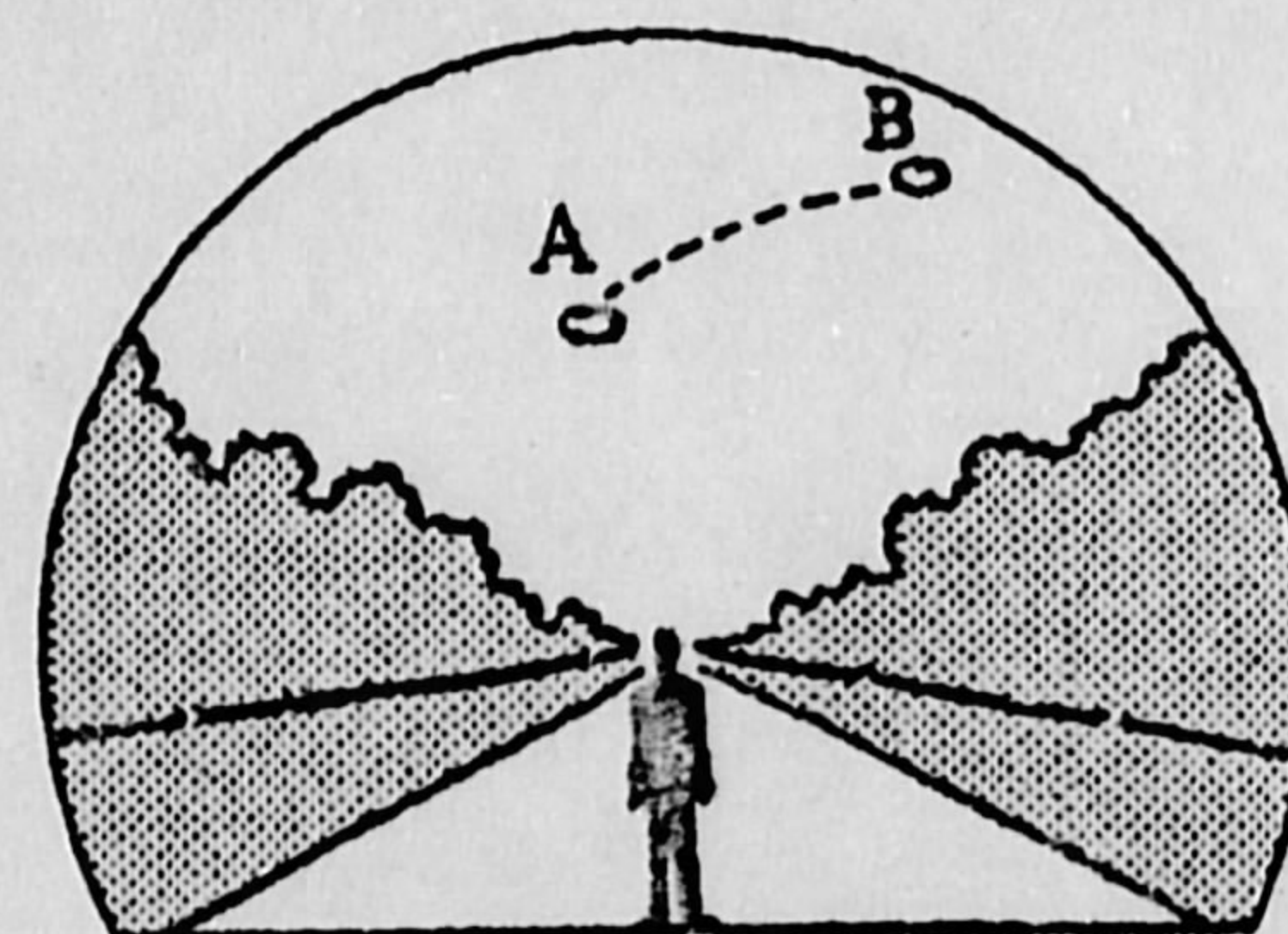
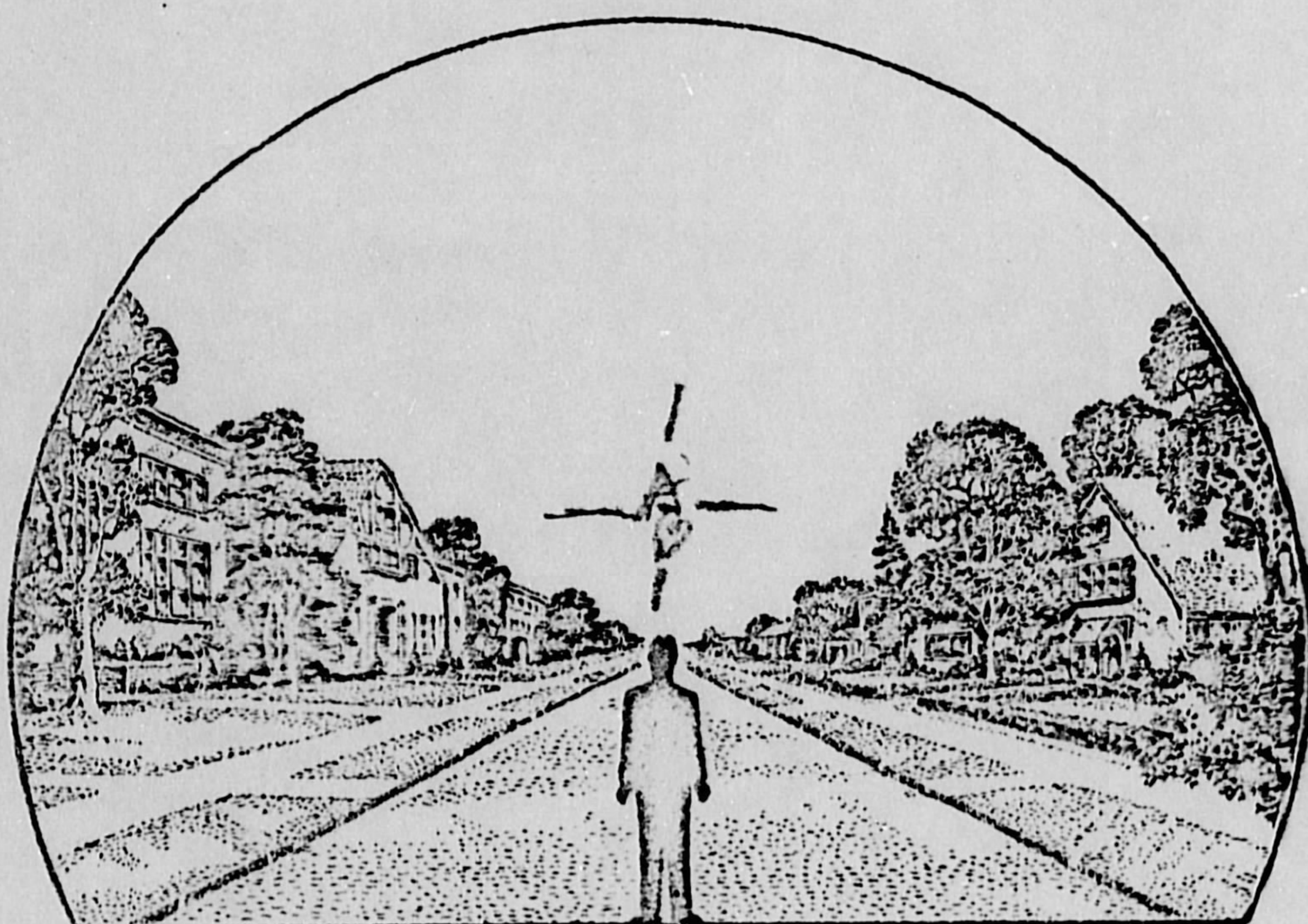
31.2 When it disappeared:

- a. From true North 075 degrees.
- b. From horizon 15 degrees.

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.



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

34.1 CLOUDS (Circle One)

- ☒ a. Clear sky
- b. Hazy
- c. Scattered clouds
- d. Thick or heavy clouds
- e. Don't remember

34.2 WIND (Circle One)

- a. No wind
- b. Slight breeze
- ☒ c. Strong wind
- d. Don't remember

34.3 WEATHER (Circle One)

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

34.4 TEMPERATURE (Circle One)

- ☒ a. Cold
- b. Cool
- c. Warm
- d. Hot
- e. Don't remember

35. When did you report to some official that you had seen the object?

25 Nov 57
Day Month Year

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:

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?

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

I don't know

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?

_____ m.p.h.

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?

_____ feet

41. Please give the following information about yourself:

NAME _____

Name

ADDRESS _____

Street

City

Zone

State

TELEPHONE NUMBER _____

What is your present job?

Age 31

Sex M

Please indicate any special educational training that you have had.

a. Grade school ✓

b. High school ✓

c. College 2 years

d. Post graduate _____

e. e. Technical school AF Pilot School

(Type) _____

f. Other special training _____

42. Date you completed this questionnaire:

9 Day

Dec Month

1957 Year

Civilian Ratings Pilot SEL MEL Inst A+E, Maintenance
 inspector, flight instructor
 all ground instructors ratings

Notes for UFO report in accordance with your instructions.

Date Interview Conducted: 9 December 1957

Interviewer: Capt George H. Janczewski, WPAFB Ext 70236

Source: Civilian, employee at Van Wert Airport, Ohio, member of the Indiana Air National Guard, 163 FIS

Content of the report: Source flew an F-86 A at 44,000 ft on 26 Nov 1957. While about 15-20 miles west of Joliet, Ill., Source sighted an unidentified object in the sky. The direction of Source's flight was eastward. The object appeared at a relative bearing of 15°. Source described the object as yellowish in color, at first stationary and hazy and later appearing to move and assuming definite outlines. Source observed the object for about 10 minutes and pursued it. As he approached the object gained in size and when he put his index finger on the aircraft's windshield it appeared on top of it as no larger than a nickel. Source contacted Chicago ARTC via radio and inform them of the sighting. The message was conveyed to ADCC senior controller at 30 ADiv at WRAFS, Michigan who filed the original report. Source stated that approximately five minutes after ~~investigation~~ ~~the~~ UFO has disappeared from his sight by fading in the distance and turning slightly left, he notice a flight of 3 B-47s going eastward. Source descended and attempted to contact the B-47s to verify his sighting but was not successful in contacting the other aircraft. He landed his aircraft at Fort Wayne, Ind., which was his ~~takeoff point~~ home base. He immediately file a report with his base commander. Questioned about the size, shape, speed and altitude of the object Source ~~couldn't~~ explained that he had no basis of comparison hence no idea about the characteristics or performance of the object. Except for slight turn to the left the object made no other maneuvers. Source said it seemed to have accelerated as he closed in. The object was somewhat flat, mettalic in appearance.

Investigation: Interviewer talked with Mr. personally and questioned him in details. ATIC Form 164 is attached. Following the interview the following units were contacted:

Hq 20th Air Div, WRAFS, Michigan
Hq 20th Air Div, Grandview AFB, Mo
Hq 791st AC&W SQ, Hanna City AFS, Ill.
Hq 319 Ftr Intcptr Sq, Bunker Hill AFB, Ind.
Hq 782 AC&W Sq, Rockville AFS, Ind.

All of the above units reported no unusual sightings or incidents on that date and at that time. The FIS reported no aircraft in the area.

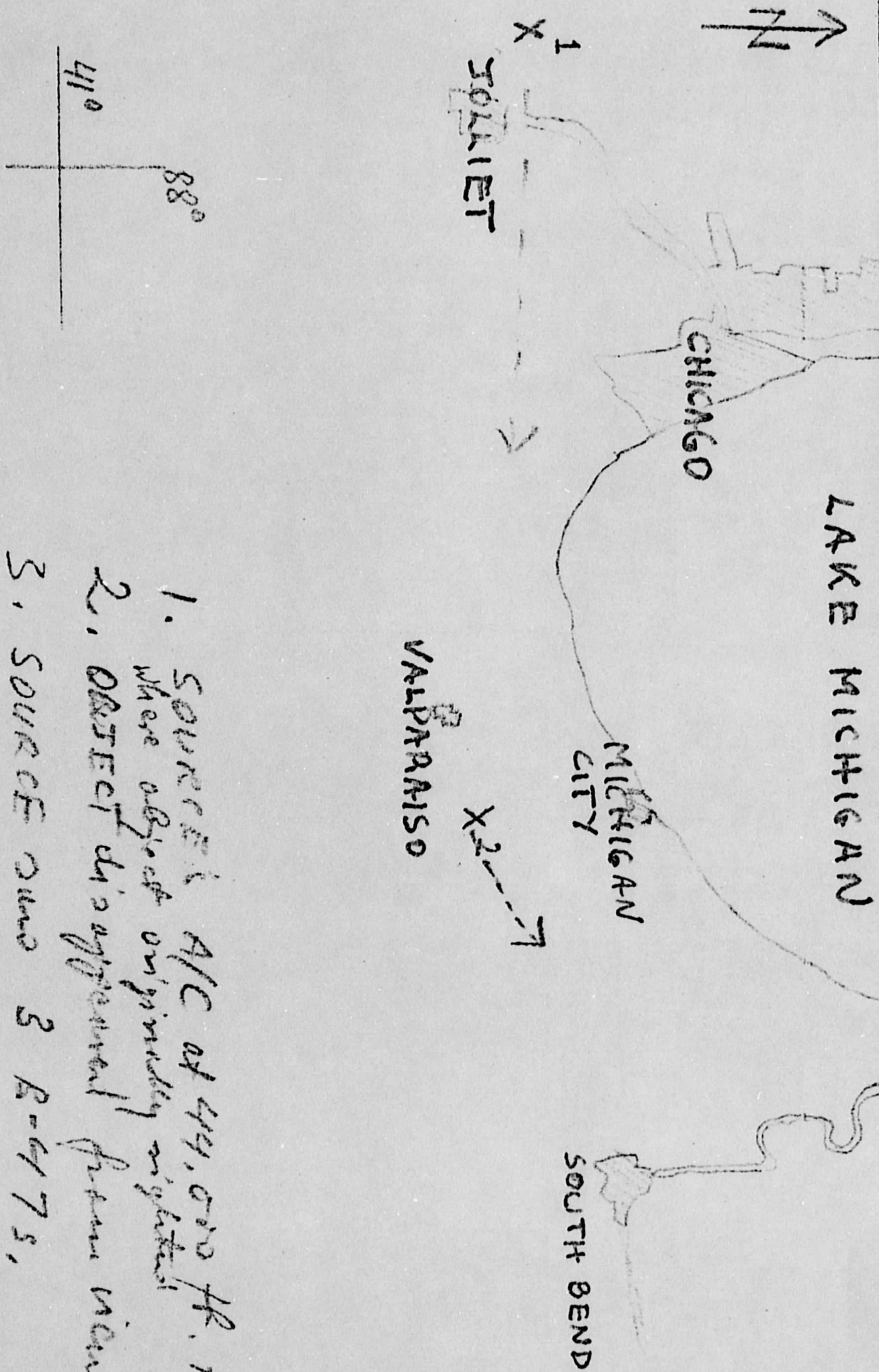
The Wright Operations Officer was contacted and said there were no WADC aircraft in the area at that time.

The officer who file the original report, Capt Best, Senior Controller, ADCC 30th ADiv said he checked the sir traffic at that time and found no unusual incidents. Chicago ARTC contacted by Capt Best on 20 Dec stated there were no other report regarding the sighting except the one from Mr. Rice.

Conclusion: The interviewer believes that the B-47s could have crossed the flight path of the F-86 at one time in the general area of the sighting. Considering the early hour of the day it appears probable that the B-47s contrails were illuminated by the rising sun from below and behind. This could have appeared to the F-86 pilot to have been an unusual phenomena. I realize that the B-47s were at about 33,000 ft while the F-86 was at about 44,000, however, the pilot stated that the day was very clear and there were no clouds whatsoever. These conditions would have resulted in the sighting being observed by other people in addition to the pilot. Considering lack of such evidence and the relative angles of the F-86 to the B-47s contrails and the rising sun this conclusion appears most probable.

SUPPLEMENT TO AF FORM 112

ORIGINATING AGENCY	REPORT NO.	PAGE	OF	PAGES
--------------------	------------	------	----	-------



1. SOURCE A/C at 44,000 H. F-86A where object originally sighted
2. OBJECT disappeared from view to the left
3. SOURCE was 3 B-47s,

OVERLAY ON WAC(308)

WARNING: This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U. S. C., Sections 793 and 794. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law. It may not be reproduced in whole or in part, by other than United States Air Force Agencies, except by permission of the Director of Intelligence, USAF

FJ

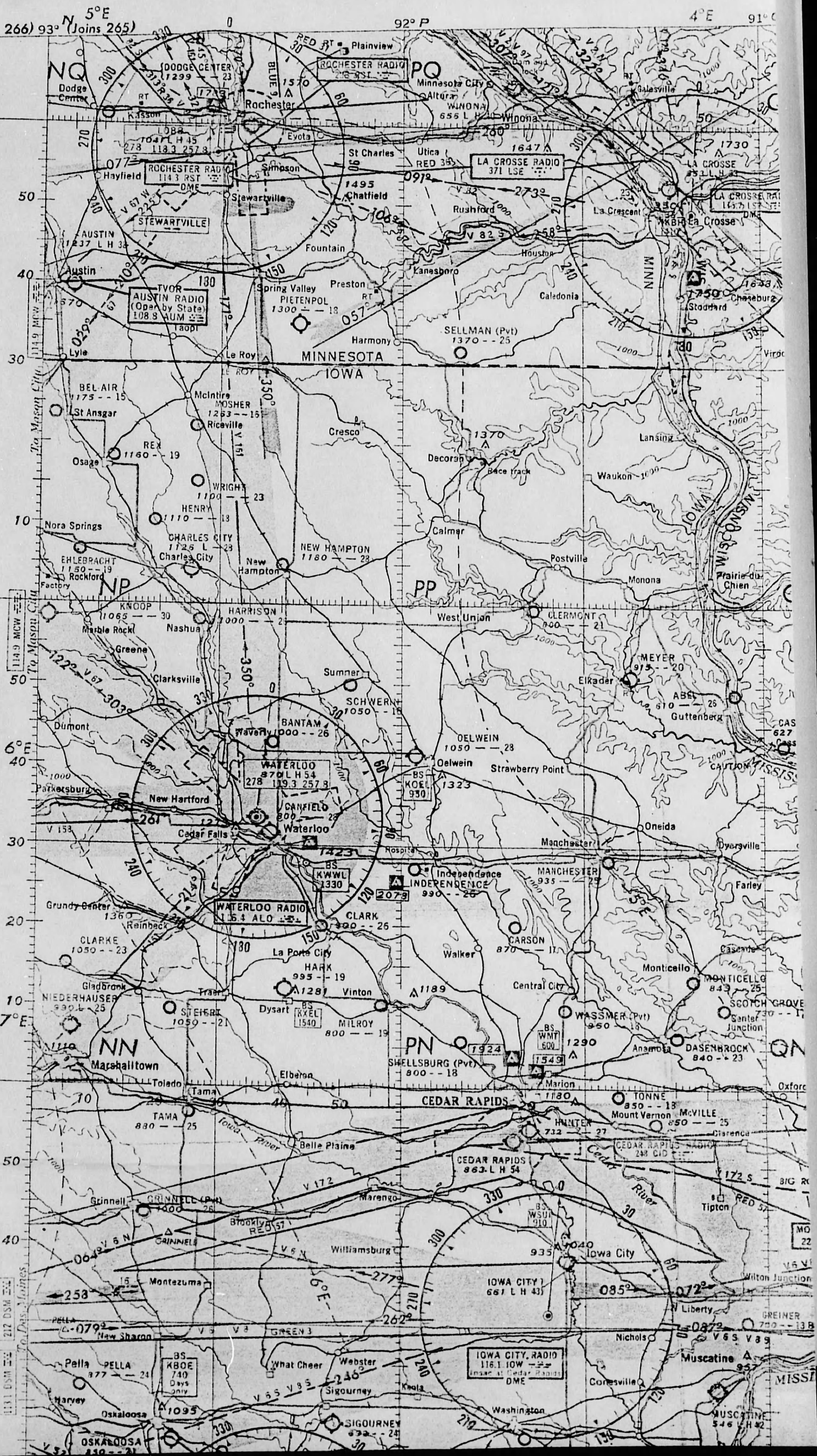
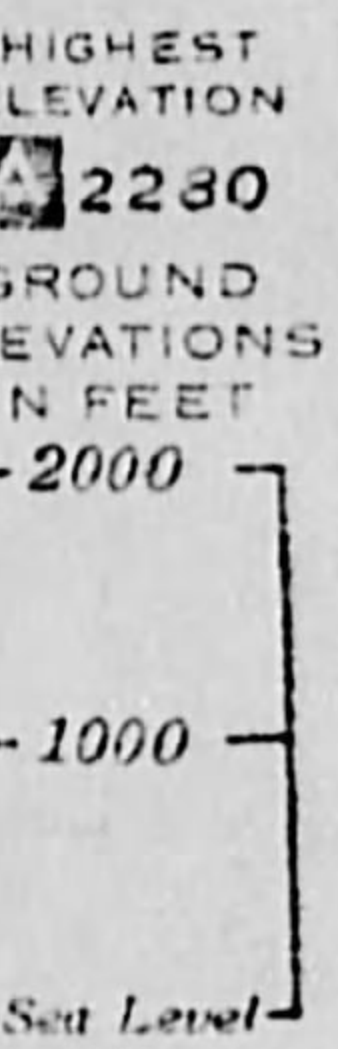
(Joins 266) 93° N 5° E (Joins 265)

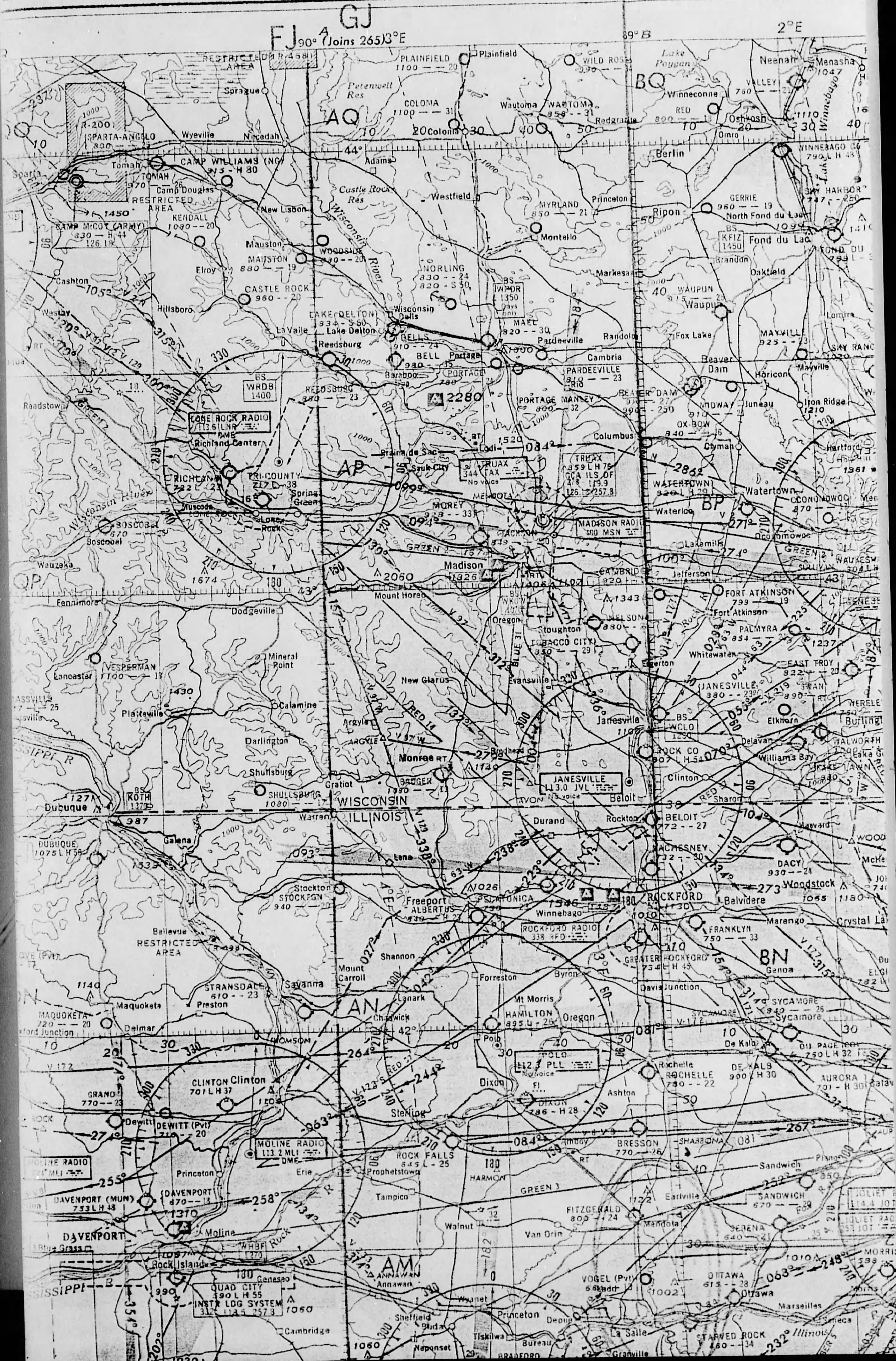
92° P

4° E 91° C

(Joins 307) 40°

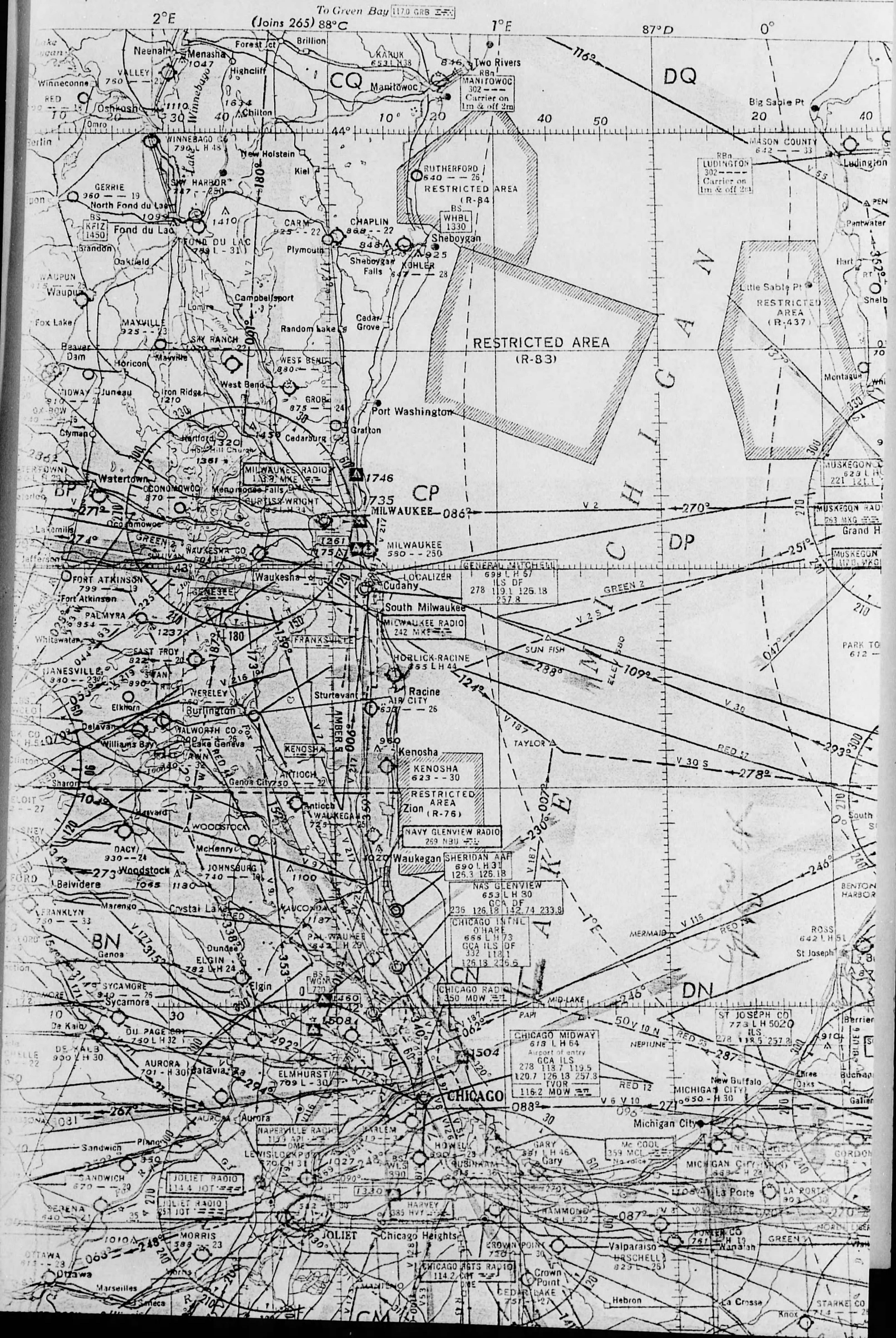
43°

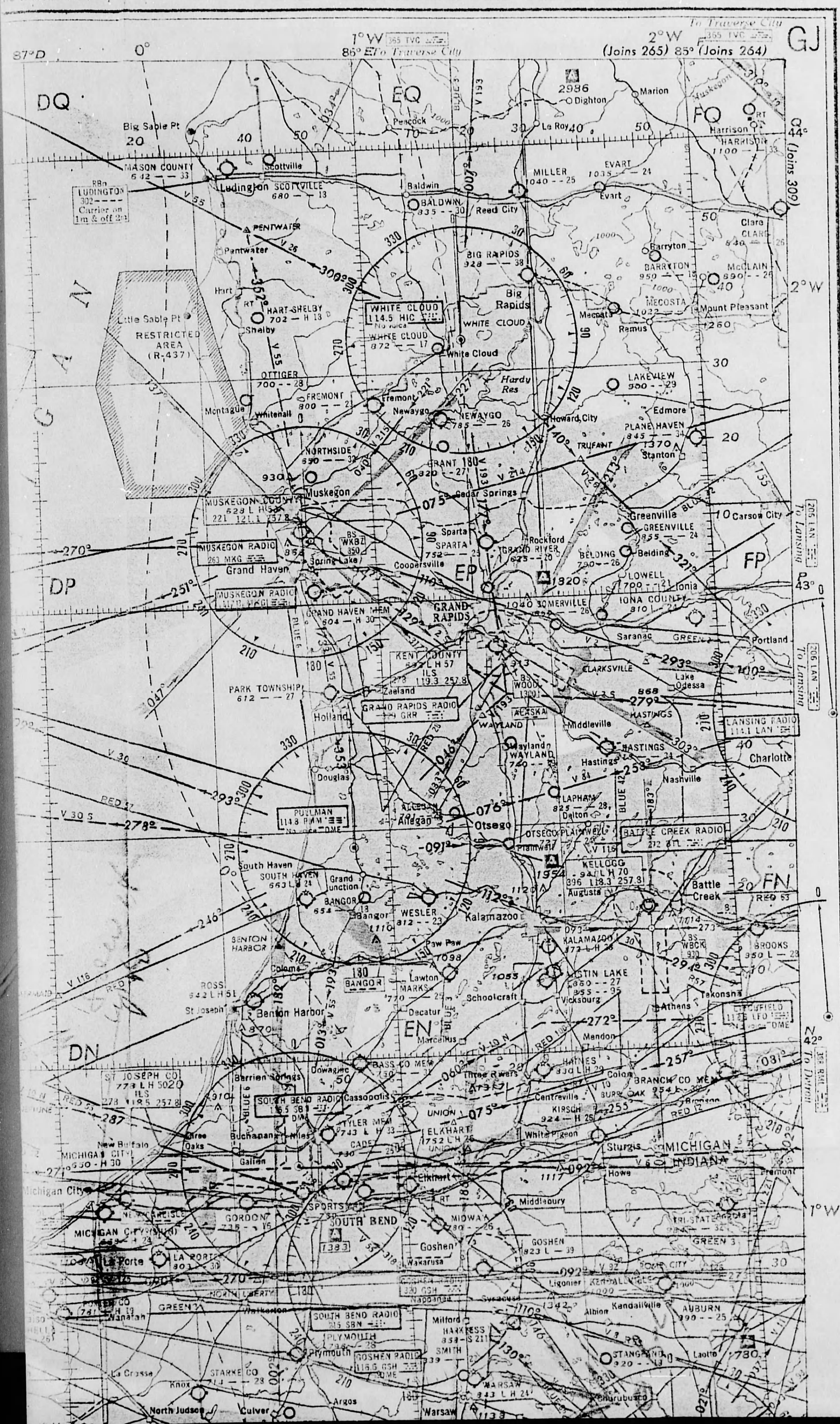


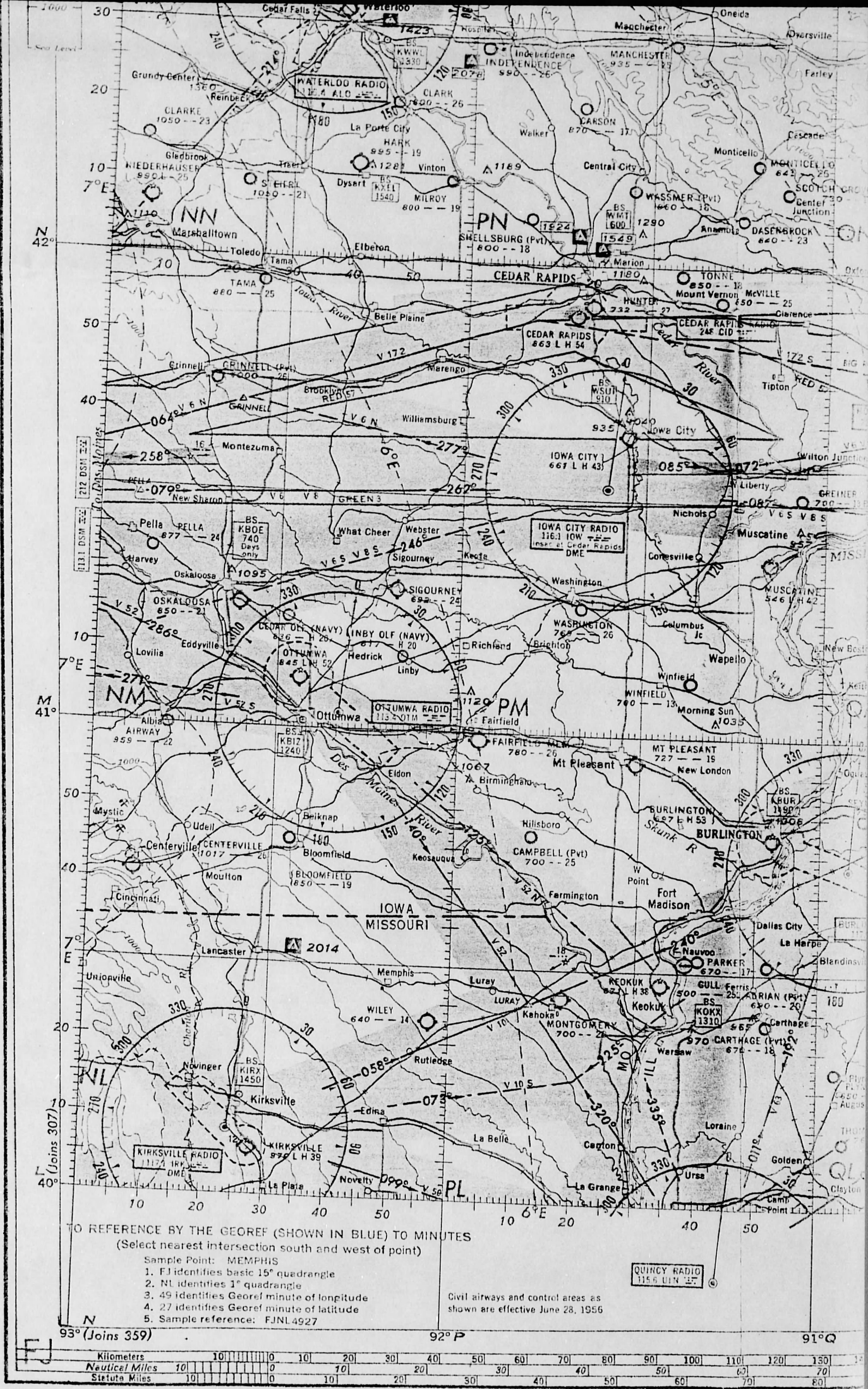


AVIATION CHART

Compiled to ICAO Standards
For ICAO number add 2000 to the chart number.

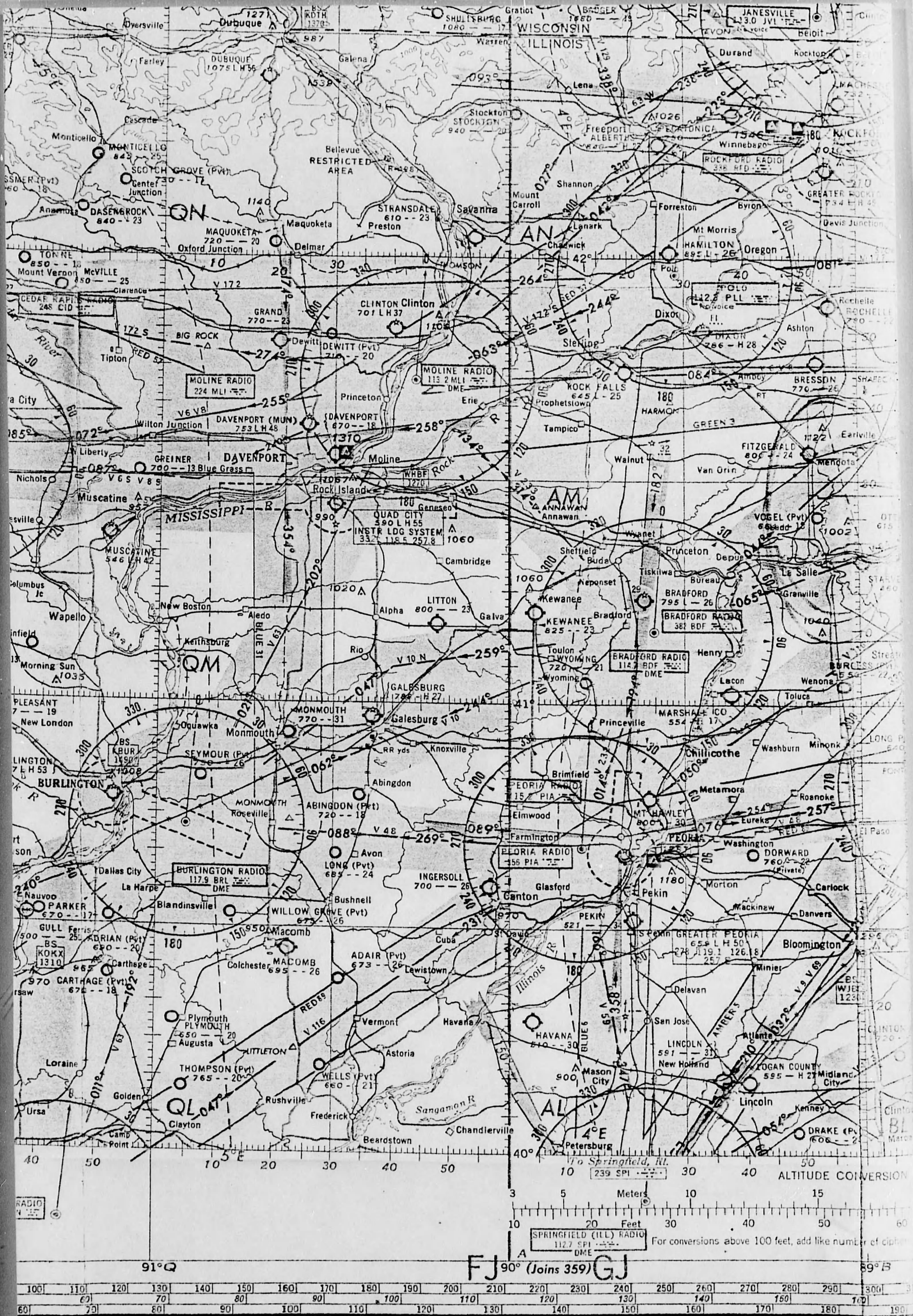






TO REFERENCE BY THE GEOREF (SHOWN IN BLUE) TO MINUTES
(Select nearest intersection south and west of point)
Sample Point: MEMPHIS
1. FJ identifies basic 15° quadrangle
2. NL identifies 1° quadrangle
3. 49 identifies Georef minute of longitude
4. 27 identifies Georef minute of latitude
5. Sample reference: FJNL4927

Civil airways and control areas as shown are effective June 28, 1956



Compiled and printed at Washington, D. C. by the U. S. Coast and Geodetic Survey
under authority of the Secretary of Commerce

MARCH 1945

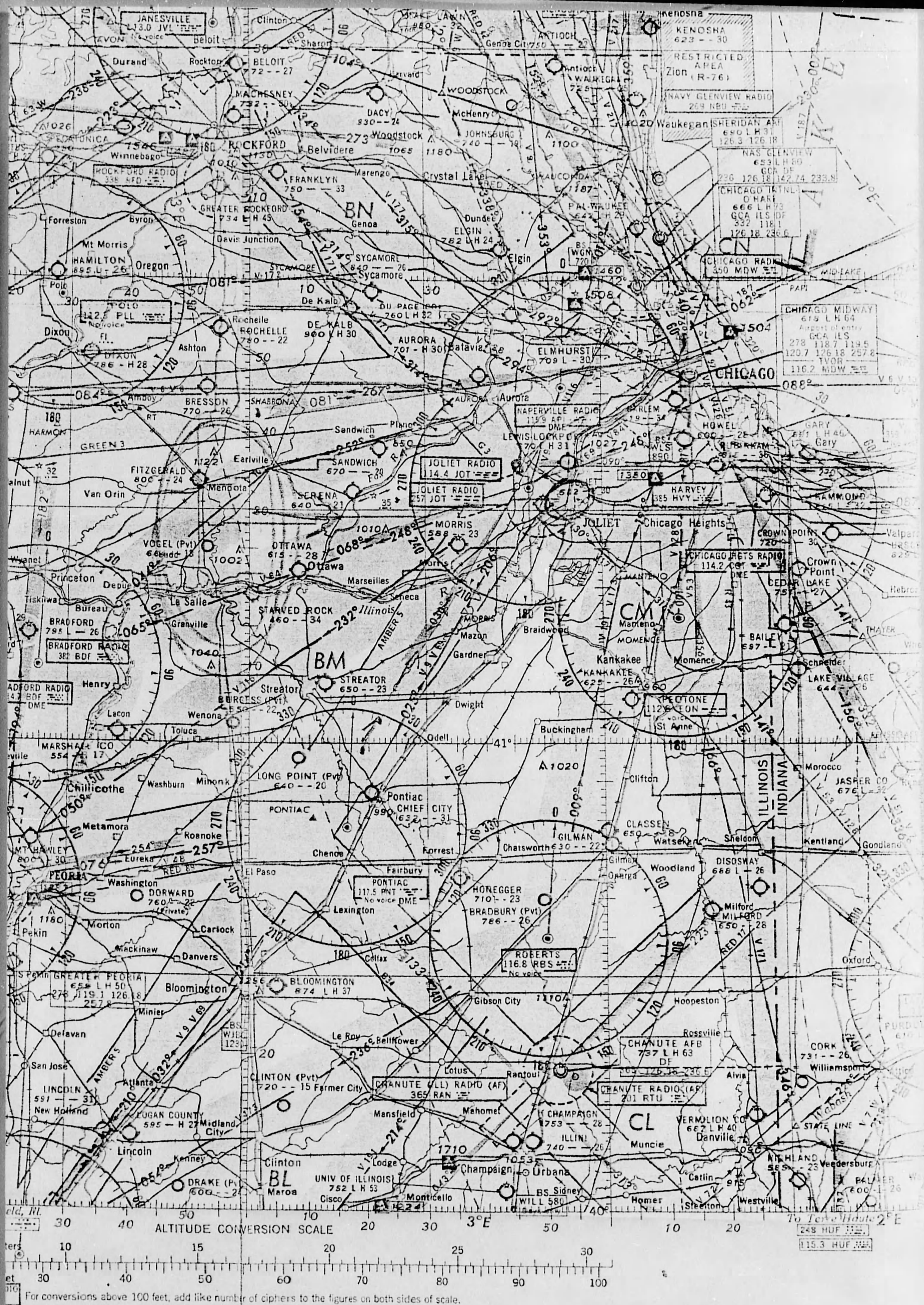
Revised NOVEMBER 1955

BASE NO 3R

BLUE TINT INDICATES AIR TRAFFIC CONTROLLED AREAS

Victor airway designations are shown along the radials of the omni range stations. Limits of these airways which are not indicated on this chart are 5 miles on either side of the radials.





Public Survey

BASE NO 3R

REAS

Limits of
radials.

1000

NOTE: It is requested that users of this chart indicate corrections and additions

which come to their attention and notify

"THE DIRECTOR, U.S. COAST AND GEODETIC SURVEY, WASHINGTON 25, D.C."

Obstructions

500 feet or higher above ground

Less than 500 feet above ground

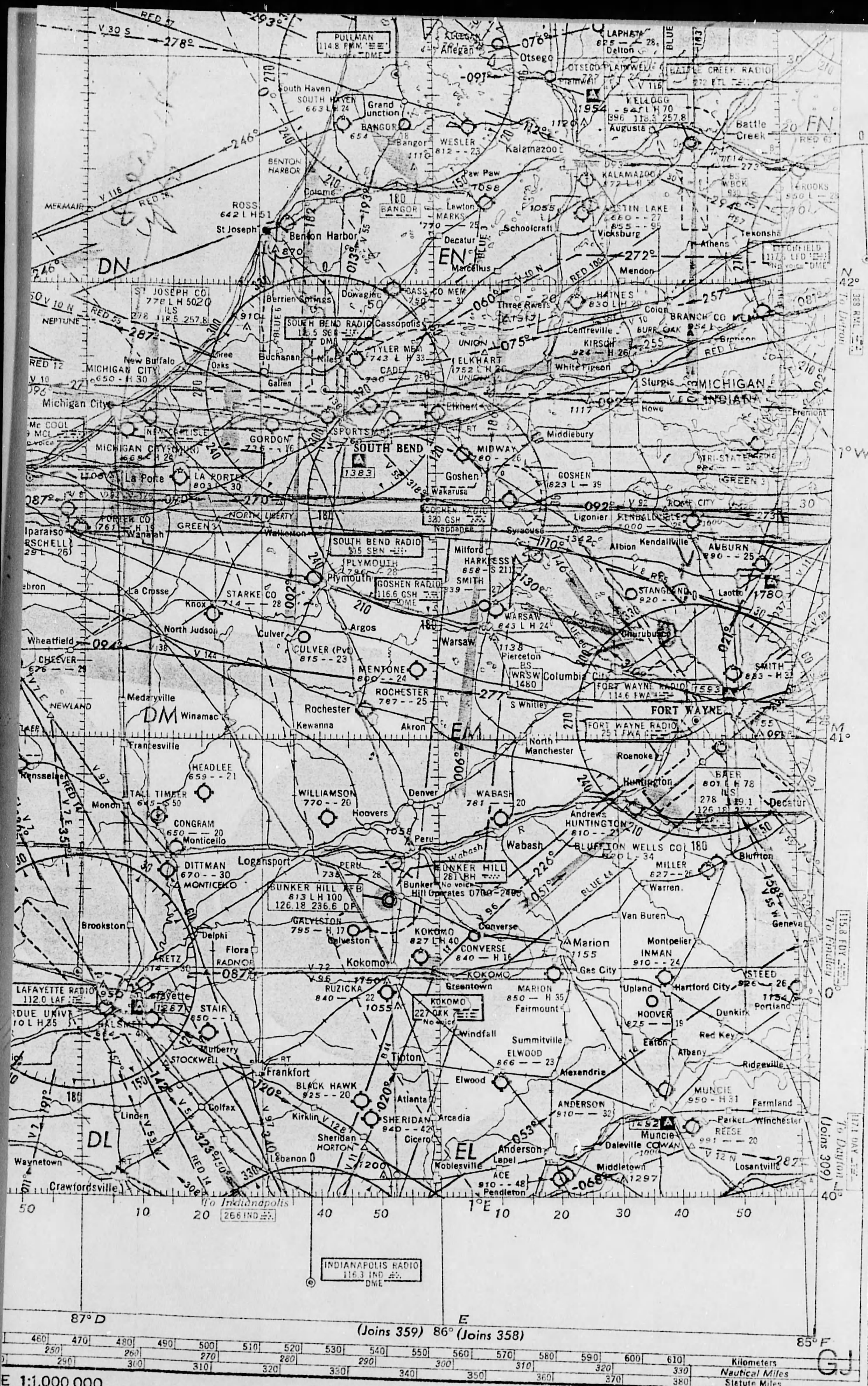
Under construction, position

and elevation unverified

SCALE

GEOGRAPHY





23RD EDITION Aeronautical information on this chart includes data received through June 19, 1956. Consult appropriate NOTAMS and Radio Facility Charts for supplemental data and current information. Next edition is scheduled in approximately six months.

ILLINOIS RIVER (308)

UNITED STATES

U.S. AIR FORCE EDITION

E 1:1,000,000
GOREF 6.56

AERONAUTICAL CHART SUPPLY

To insure that the airman has the latest information available, most U. S. World Aeronautical Charts are revised at six-month periods and others including the Alaskan World Aeronautical Charts are revised at twelve-month periods.

Chart users are advised to check the list Dates of Latest Prints on display with authorized agents.

CIVIL CHART SUPPLY

Authorized agents for the sale of aeronautical charts have been appointed at certain airports and principal cities throughout the United States. The charts may also be obtained from the Director, U. S. Coast and Geodetic Survey, Washington 25, D. C.

MILITARY CHART SUPPLY

(Ref: AF Reg. 67-3)

1. Aeronautical Charts, Maps and Publications distributed by the Aeronautical Chart and Information Center are indexed or listed in the current edition of the "USAF Catalog of Aeronautical Charts and Aeronautical Information Publications". A Bulletin is also published twice monthly which contains important information such as new editions of charts available, replacement charts, hazardous charts, chart correction notices and other pertinent information pertaining to charts and supply.

2. Requisitioning.

a. Outside Continental United States: USAF activities are to submit requisitions to the appropriate Aeronautical Chart and Information Office located within the applicable theater, in accordance with existing theater directives.

b. Within Continental United States: USAF activities are to submit requisitions to Commanding Officer, Aeronautical Chart and Information Center, 2nd and Arsenal Sts., St. Louis 18, Missouri, Attention: Distribution Division. Requisitions will be submitted on available requisition forms or by letter in quadruplicate. When demand is urgent, wire service may be used. Requisitions submitted from a Base or Station will bear the signature, or approval by indorsement, of the Operations officer. Requisitions from Air Force, Wing, or Command Headquarters will bear the signature of the appropriate staff officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a thirty (30) day supply at all times, but not to exceed a sixty (60) day supply.

3. USAF Requirements for Special Purpose Maps and Charts: Maps and charts for special purposes, specific missions, and also those maps and charts published by other government agencies which may not be listed in the principal types of aeronautical charts in the current edition of the "USAF Catalog of Aeronautical Charts and Aeronautical Information Publications" should be requisitioned from USAF Aeronautical Chart and Information Center, when the request originates in the United States. For those USAF requests originating outside the continental United States, the applicable theater USAF Aeronautical Chart and Information Office should be contacted. Charts will be furnished, if available, when sufficiently identified in requisitions as to name or number, scale, projection and publisher. If this information is unknown to requestor, a description of the information required on chart or map should be furnished.

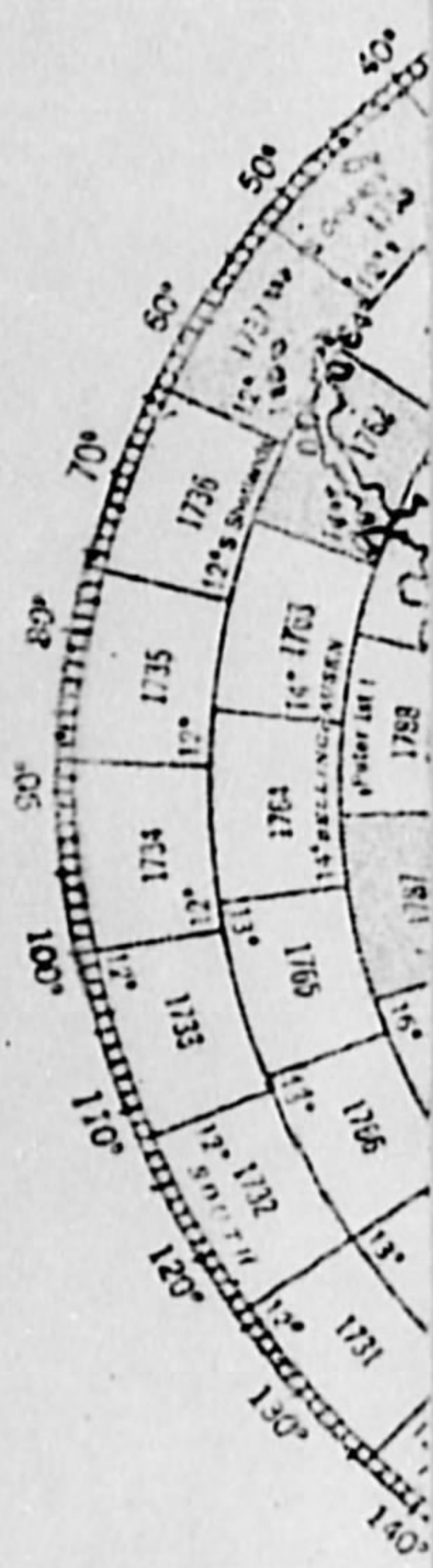
4. Obsolete Charts: Aeronautical charts rendered obsolete by printing of a new edition shall be salvaged if not practicable to correct for conformity with new edition. Disposition is to be made in accordance with provisions of AFR 67-3. Disposition of classified charts is to be made in accordance with provisions of AFR 205-1.

RADIOTELEGRAPH CODE AND PHONETIC ALPHABET INTERNATIONAL (ICAO)

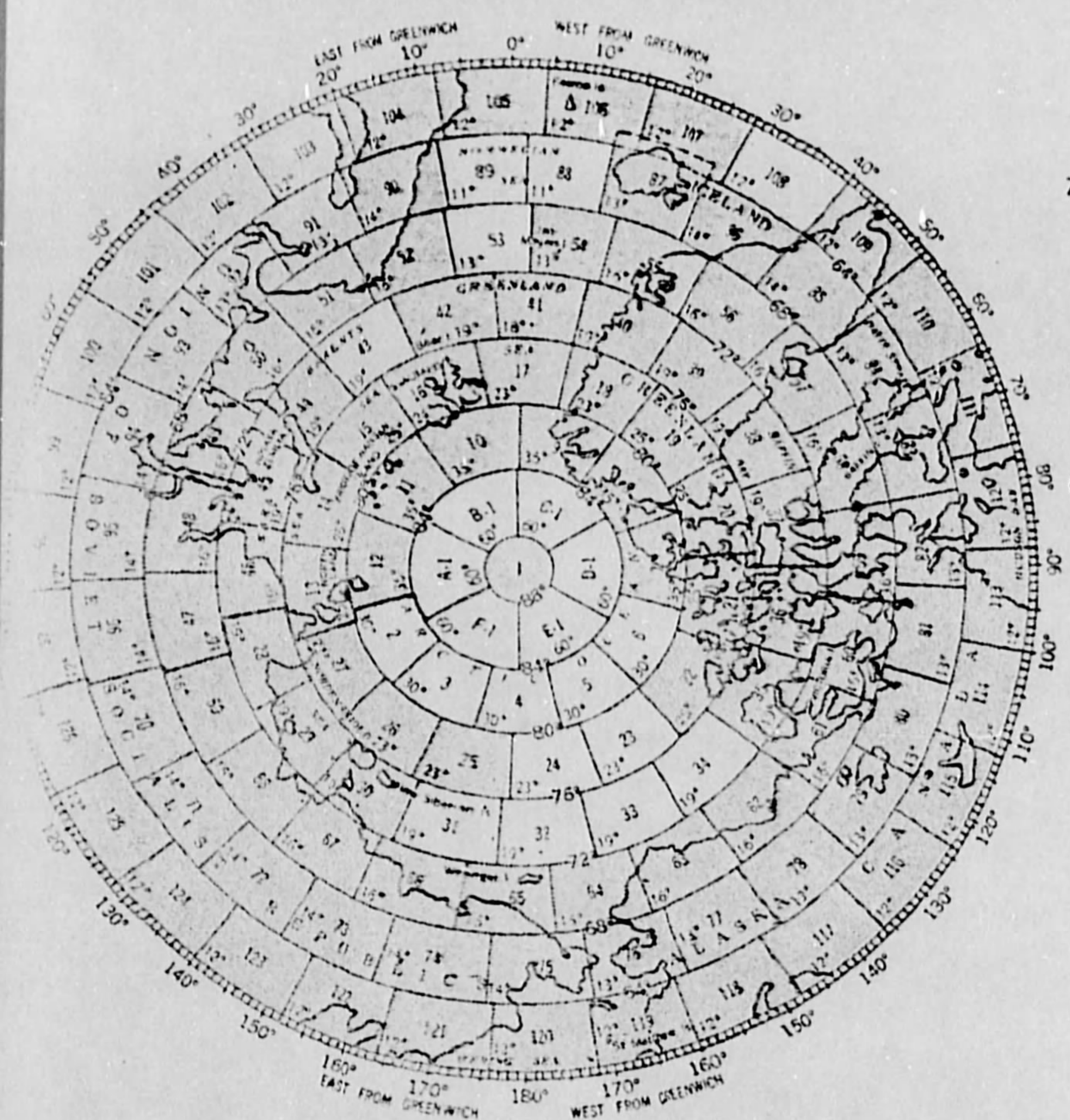
A—ALFA	—	K—KILO	—	U—UNIFORM	—	0—ZE-RO	—
B—BRAVO	—	L—LIMA	—	V—VICTOR	—	1—WUN	—
C—CHARLIE	—	M—MIKE	—	W—WHISKEY	—	2—TOO	—
D—DELTA	—	N—NOVEMBER	—	X—XRAY	—	3—TREE	—
E—ECHO	—	O—OSCAR	—	Y—YANKEE	—	4—FOW-er	—
F—FOXTROT	—	P—PAPA	—	Z—ZULU	—	5—FIFE	—
G—GOLF	—	Q—QUEBEC	—			6—SIX	—
H—HOTEL	—	R—ROMEO	—			7—SEV-en	—
I—INDIA	—	S—SIERRA	—			8—AIT	—
J—JULIETT	—	T—TANGO	—			9—NIN-er	—

5-1-56

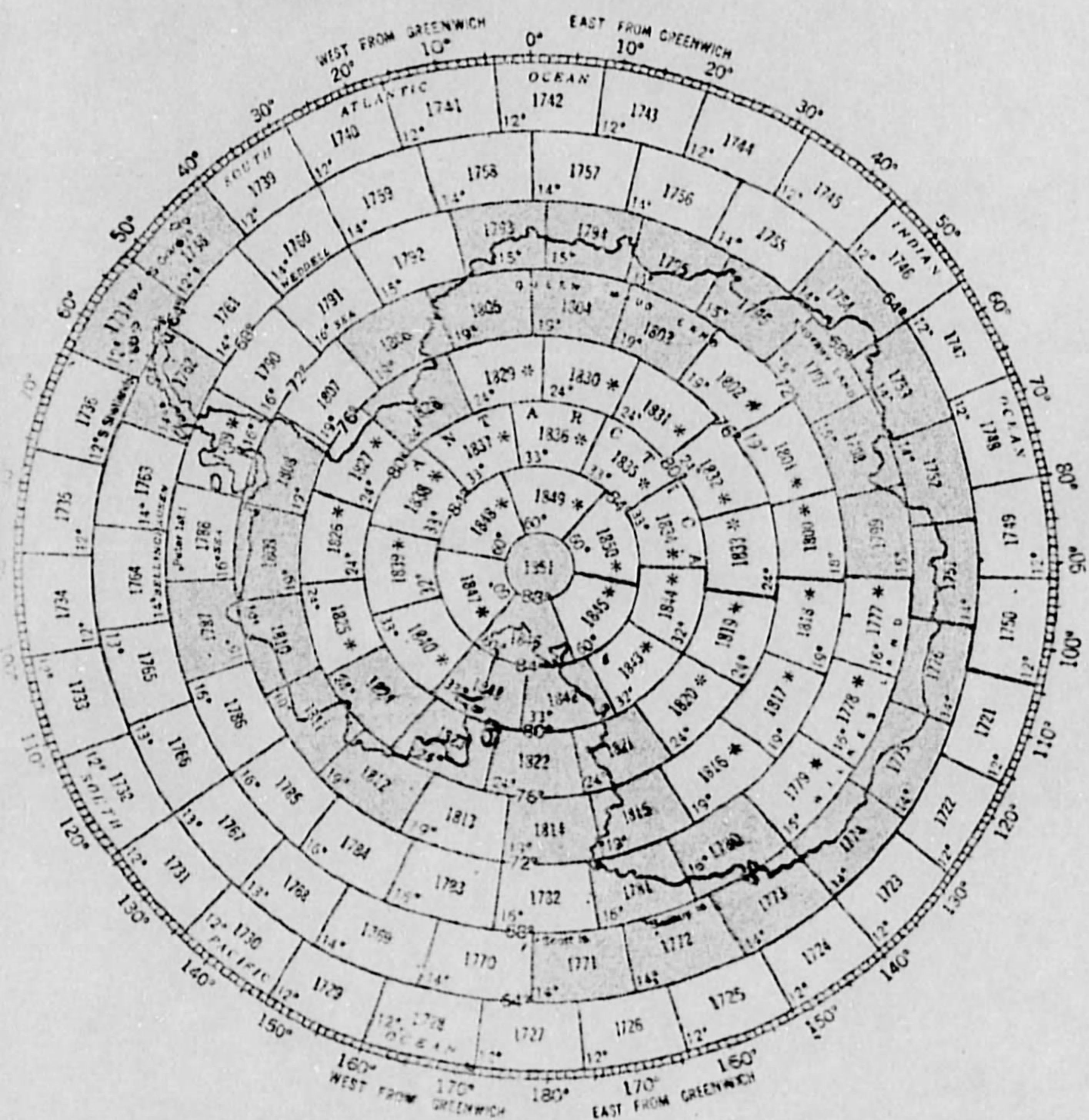
*Indicates
charts in
charts wil



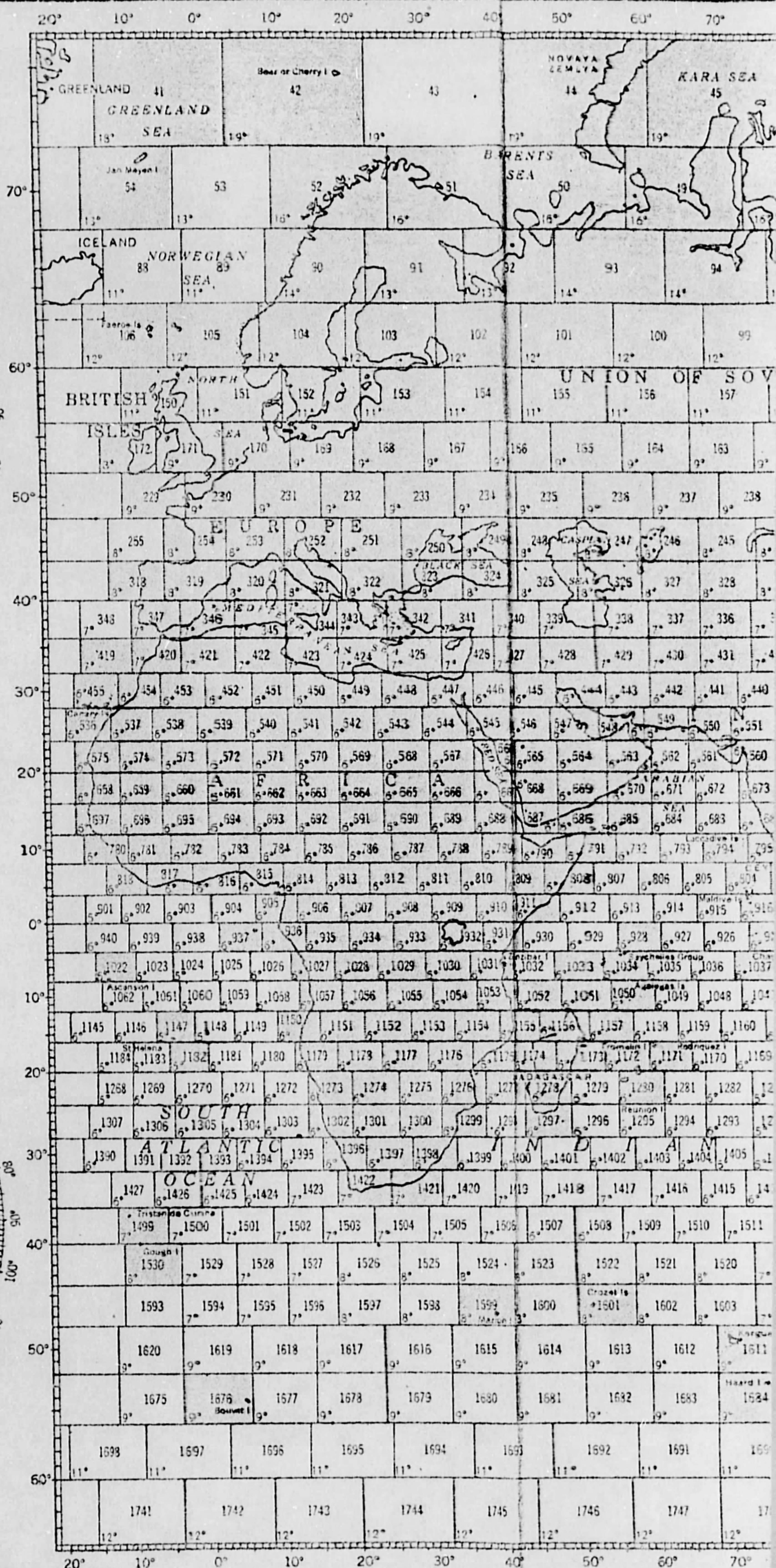
NORTH POLAR AREA



SOUTH POLAR AREA



*Indicates that there is not sufficient information available to compile charts in this area at a scale of 1:1,000,000. Requisitions for these charts will be filled with the appropriate Universal Water Chart.



WOI

AERONAUTICAL SYMBOLS

AERODROMES

Aerodromes with facilities

LAND

WATER



Civil



Joint Civil and Military

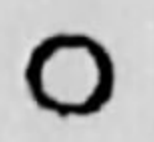


Military

Aerodromes with emergency or no facilities

LAND

WATER



Landing Area



Sheltered Anchorage

Methods of indicating

Radio Range (With voice)

Radio Range (Without voice)

Nondirectional R (With voice)

Nondirectional R (Without voice)

AERODROME DATA AND LANDING FACILITIES INFORMATION

LAND

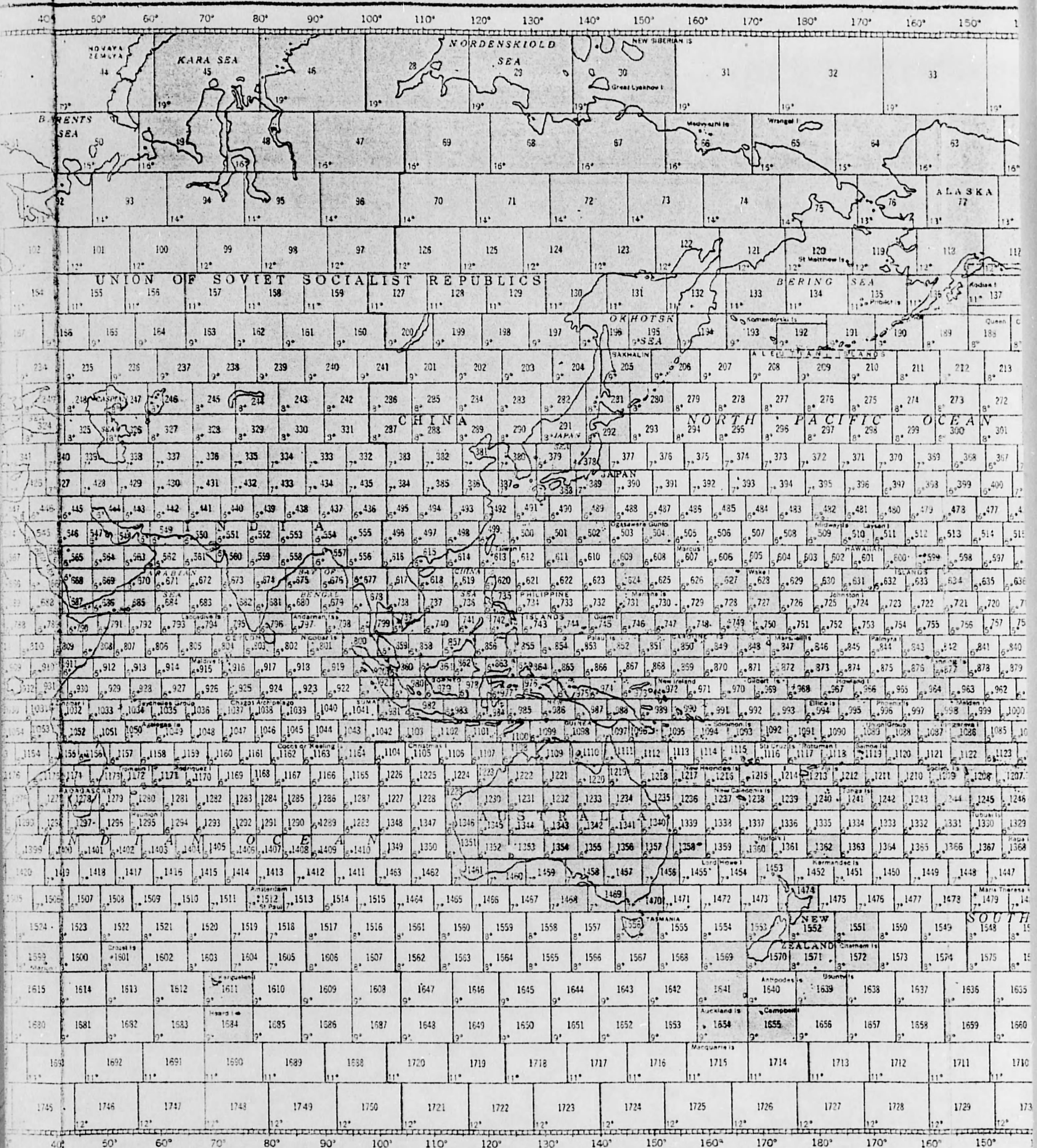
WATER

BARTERSVILLE 903 L H 31

000 Elevation in feet

00 Elevation in feet

NAS ANACOSTIA 00 L S 62



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000

AERONAUTICAL SYMBOLS

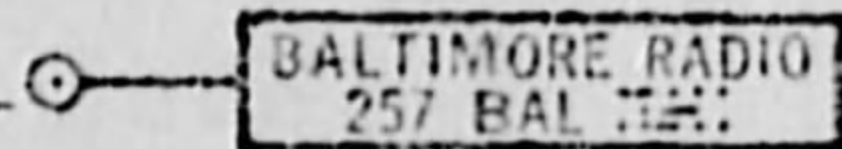
RADIO FACILITIES

All radio facility data are printed in blue with the exception of certain LF/MF facilities such as tower frequencies, radio ranges and associated airways, which are printed in magenta.

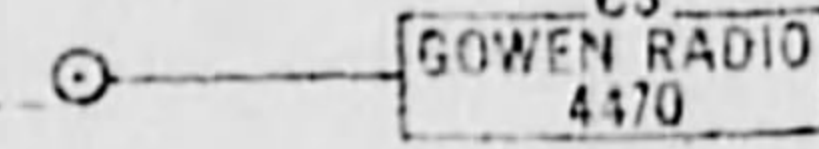
Methods of indicating specific voice and CW calls are shown below

Use of the word "Radio" within the box indicates voice facilities.

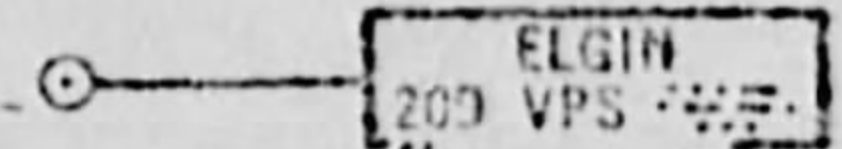
Radio Range
(With voice)



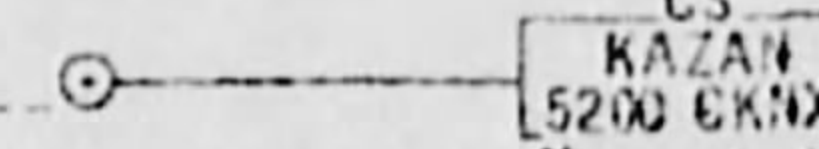
Radio Communication Station
(With voice)



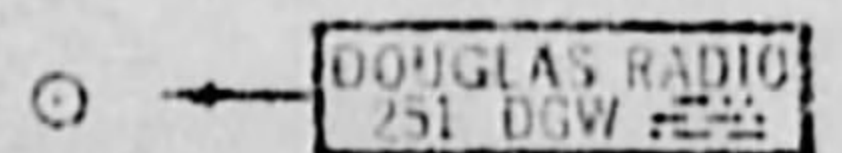
Radio Range
(Without voice)



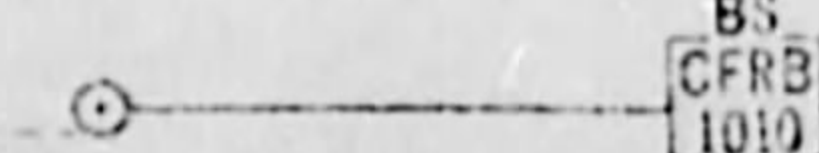
Radio Communication Station
(Without voice)



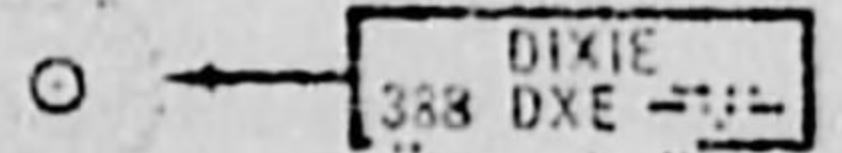
Nondirectional Radiobeacon
(With voice)



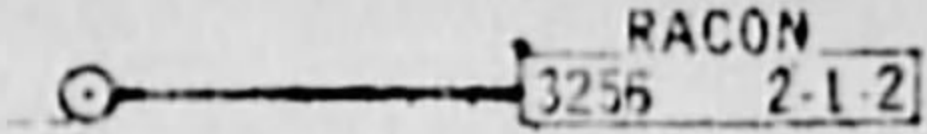
Radio Broadcasting Station



Nondirectional Radiobeacon
(Without voice)



Radar Beacon (Racon)



Metropo

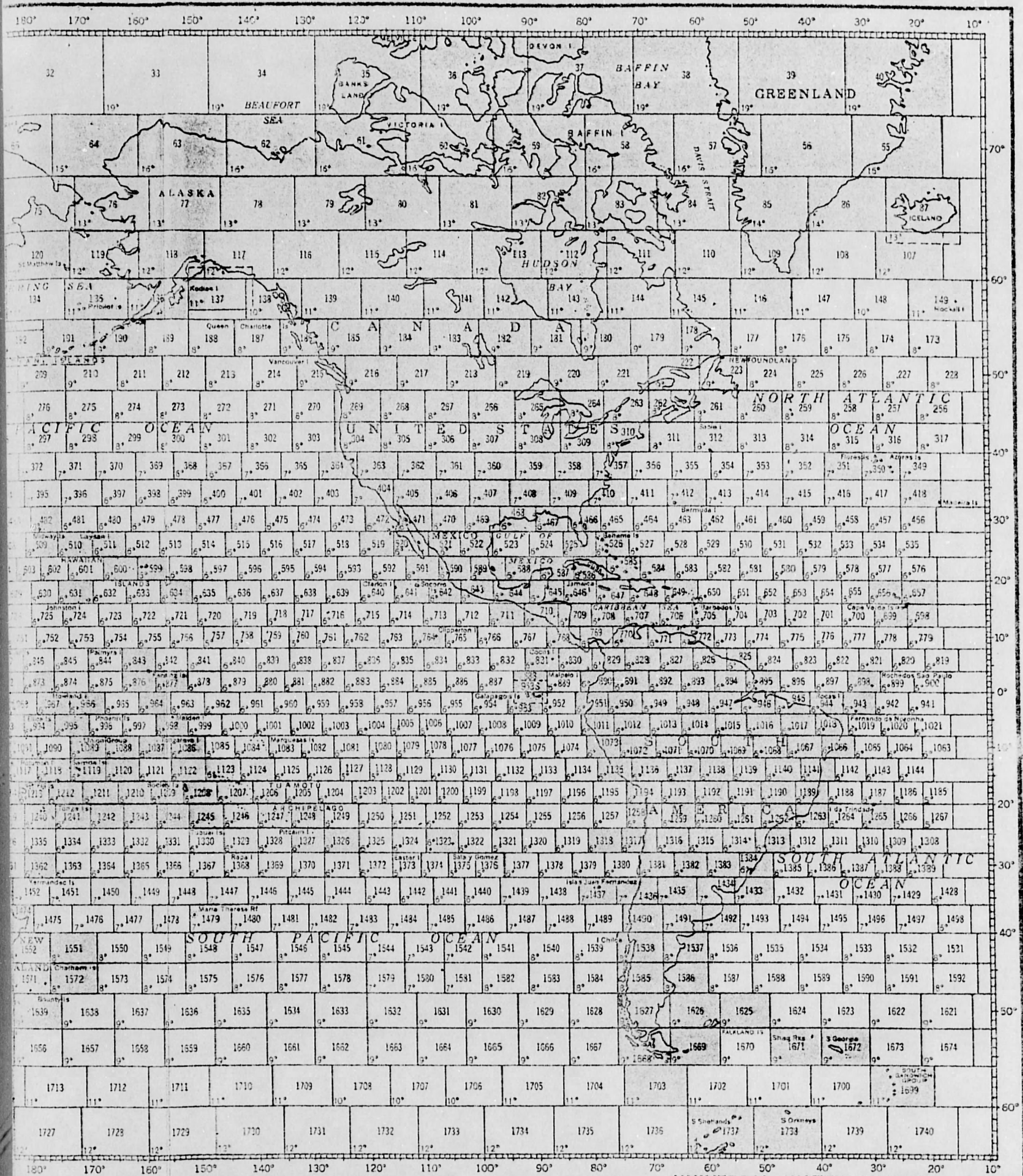
Large C

Cities

Small C

Large T

Towns



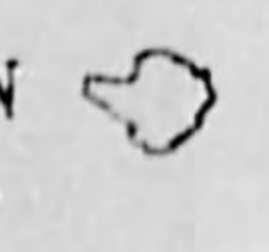
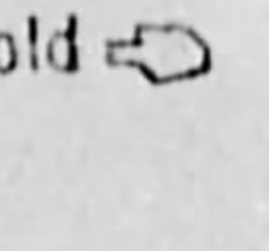
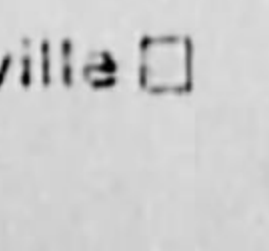
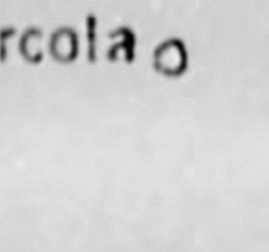
Charts published ☐

Charts not published ☐

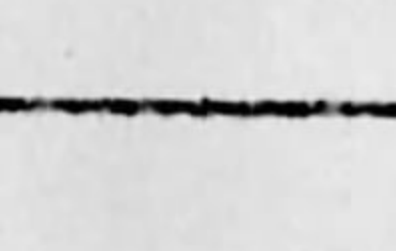
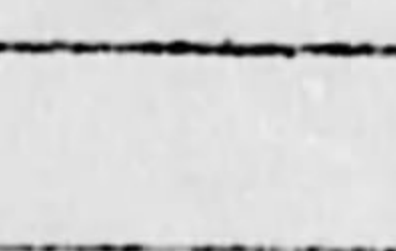
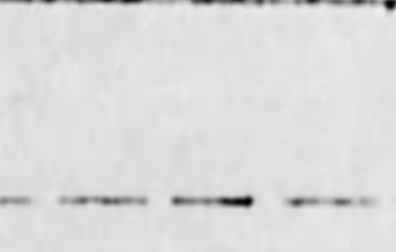
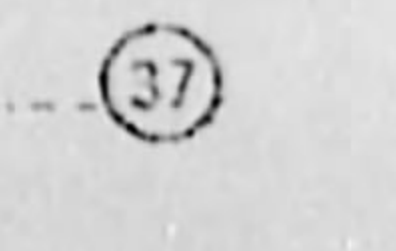
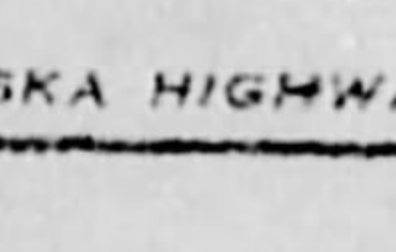
UNIVERSAL WATER CHARTS
Universal Water Charts (Scale 1:1,000,000; size 29 x 22 inches) covering 4° of lat. have been published for use in place of the World Aeronautical Charts in water areas. The user must insert the appropriate long. values for the particular area desired. Water tint is printed within the normal geographical limits and the chart is designed for use in both north and south latitudes.
NOTE: Requisition these charts by name and latitude interval.
Example: WAC-225 would be WATER-48/52

TOPOGRAPHICAL SYMBOLS

CITIES AND TOWNS

- Metropolitan Areas **NEW YORK** 
- Large Cities **RICHMOND** 
- Cities **ARLINGTON** 
- Small Cities **Freehold** 
- Large Towns **Corvillia** 
- Towns & Villages **Arcola** 

HIGHWAYS AND ROADS

- Dual Lane and Super Highways 
- Primary Roads 
- Secondary Roads 
- Trails 
- U. S. Road Markers 
- National, State or Provincial Road Markers 
- Road Names 

RELIEF FEATURES

RADIOTELEGRAPH CODE AND PHONETIC ALPHABET
INTERNATIONAL (ICAO)

A—ALFA	K—KILO	U—UNIFORM	0—ZE-RO
B—BRAVO	L—LIMA	V—VICTOR	1—WUN
C—CHARLIE	M—MIKE	W—WHISKEY	2—TOO
D—DELTA	N—NOVEMBER	X—XRAY	3—TREE
E—ECHO	O—OSCAR	Y—YANKEE	4—FOW-er
F—FOXTROT	P—PAPA	Z—ZULU	5—FIFE
G—GOLF	Q—QUEBEC		6—SIX
H—HOTEL	R—ROMEO		7—SEV-en
I—INDIA	S—SIERRA		8—AIT
J—JULIETT	T—TANGO		9—NIN-er

5-1-55

*Indicated
charts
charts

BARCE
900
Altim
CCA
270

U. S. PROHIBITED, RESTRICTED, CAUTION, AND WARNING AREAS
ON WORLD AERONAUTICAL CHART 308

NO.	NAME	ACTIVITY	CONTROLLING AGENCY	ALTITUDE	TIME
R-76	Glenview	Aerial Gunnery	NAS Glenview, Ill.	Unltd.	Unltd.
R-83	Sheboygan	Aerial Gunnery and Rocketry	10th Air Force, Selfridge AFB, Mich.	To 40,000	Days
R-84	Haven	Antiaircraft Artillery Firing	C.O. Camp Haven, Wisc.	To 85,000	Unltd.
R-290	Camp McCoy	Gunnery	Commanding Gen., Camp McCoy, Wisc.	To 25,000	Unltd.
R-437	Little Sable Point	Antiaircraft Artillery Firing	C.O. Camp Claybanks, New Era, Mich.	To 60,000	Unltd.
R-468	Camp Williams	Air-to-Ground Bombing and Gunnery	Adj. Gen. State Wisconsin, Madison, Wisc.	To 12,000	Unltd.
R-498	Savanna	Demolition	Savanna Ordnance Depot Savanna, Ill.	To 1,900	Unltd. 12-20-55 to 7-15-56

Altitude given in feet.

P - Prohibited

R - Restricted

C - Caution

W - Warning

6-19-56

Unauthorized flight is not permitted within a Prohibited Area, or within a Restricted Area during the time of use and between the altitudes noted in the tabulation (Authorization may be granted by the controlling agency or by Executive Order of the President).

Flight within Caution Areas is not restricted, but pilots are advised to exercise extreme caution.

Rotating

Rotating

Rotating

Flashing

F—Fixed
Fl—Flash

Obstruct

Obstruct
(Numerical)

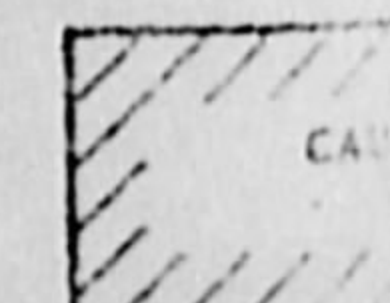
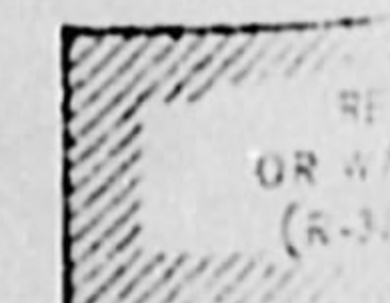
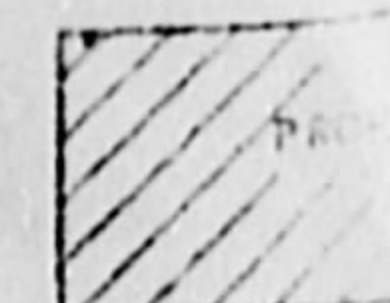
Group Q

Prominent

Mooring

Isogonic

Restricted



-ZE-RO
-WUN
-TOO
-TREE
-FOW-er
-FIFE
-SIX
-SEV-en
-AIT
-NIN-er

5-1-55



	1593	1594	1595	1596	1597	1598
50°	1620	1619	1618	1617	1616	1615
	1675	1676	1677	1678	1679	
60°	1698	1697	1696	1695	1694	1693
	1741	1742	1743	1744	1745	1746
	20°	10°	0°	10°	20°	30°

*Indicates that there is not sufficient information available to compile charts in this area at a scale of 1:1,000,000. Requisitions for these charts will be filled with the appropriate Universal Water Chart.

AERONAUTICAL SYMBOLS

AERODROMES

Aerodromes with facilities		Aerodromes with emergency or no facilities	
LAND	WATER	LAND	WATER
	Civil		Landing Area
	Joint Civil and Military		Sheltered Anchorage
	Military		

AERODROME DATA AND LANDING FACILITIES INFORMATION

LAND		WATER	
	008 Elevation in feet		00 Elevation in feet
	L Minimum lighting		L Minimum lighting
	H Hard surfaced runway		S Normal sheltered take-off area
	41 Length of longest runway in hundreds of feet		62 Length of longest runway in hundreds of feet

The facility code character is replaced by a dash if specific information is not available or if the facility itself is not available.

GCA ILS Controlled approach systems.
DF Direction finding station.
278 126.18 2870 Control tower transmitting frequencies

BARGERSVILLE
908 L H 41
Airport of entry
GCA ILS DF
278 126.18

NAS ANACOSTIA
00 L S 62
2870

AIR NAVIGATION LIGHTS

Rotating Light	Flashing Light (With code)
Rotating Light (With flashing code lights)	Lightship
Rotating Light (With course lights and site number)	Marine Light
Flashing Light	

F—Fixed Qk FI—Quick Flashing Occ—Occulting Gp—Group W—White B—Blue SEC—Sector
FI—Flashing I Qk FI—Interrupted Quick Flashing Alt—Alternating R—Red G—Green (U)—Unwatched sec—Second

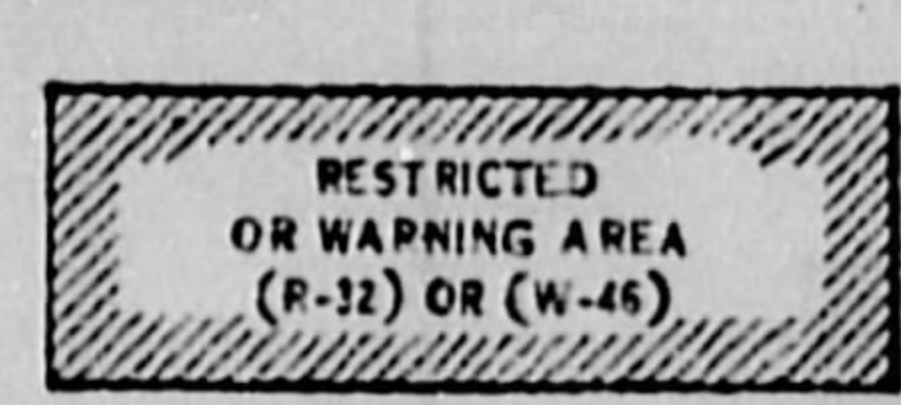
Marine lights are white unless colors are indicated; alternating lights are red and white unless otherwise indicated

MISCELLANEOUS

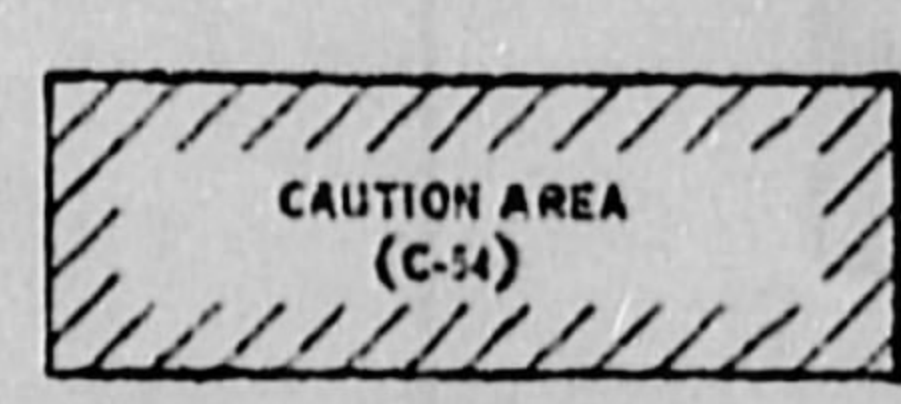
Obstruction, less than 500 feet above ground	Reporting Point (Compulsory)
Obstruction, 500 feet or higher above ground	Reporting Point (Non-compulsory)
Group Obstruction	Ocean Station Vessel (Normal position)
Prominent Transmission Line	International Boundary
Mooring Mast	
Isogonic Line	
Restricted areas are numbered, and are indicated on the charts as follows:	



Prohibited Area — Flight of aircraft prohibited except by specific authority of using agency



Restricted or Warning Area — Invisible hazards to air navigation



Caution Area — Visible hazards to air navigation

AREAS

ALTITUDE	TIME
Unltd.	Unltd.
To 40,000	Days
To 85,000	Unltd.
To 25,000	Unltd.
To 60,000	Unltd.
To 12,000	Unltd.
To 1,900	Unltd.

urning 6-19-56
between the altitudes noted

1593	1594	1595	1596	1597	1598	1599	1600	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620
1621	1622	1623	1624	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648
1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676
1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700	1701	1702	1703	1704
1705	1706	1707	1708	1709	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732
1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760

WORLD AERONAUTICAL CHART IN Scale of Series 1:1,000,000

LS

with emergency or no facilities
WATER

Landing Area
Sheltered Anchorage

ATION
WATER
feet
ighting
ntered take-off area
ongest runway
s of feet
pecific
ot available.

NAS ANACOSTIA
00 L S 62
2870

TS
ight (With code)..... FL ★
ht..... Occ W R G ●

W—White B—Blue SEC—Sector
G—Green (U)—Unwatched sec—Second
and white unless otherwise indicated

Point (Compulsory)..... ▲
Point (Non-compulsory)..... △

tion Vessel (Normal position).....

al Boundary
ssage of aircraft
gh air corridor)

ohibited except by specific authority of using agency

ible hazards to air navigation

avigation

AERONAUTICAL SYMBOLS

RADIO FACILITIES

All radio facility data are printed in blue with the exception of certain LF/MF facilities such as tower frequencies, radio ranges and associated airways, which are printed in magenta.

Methods of indicating specific voice and CW calls are shown below

Use of the word "Radio" within the box indicates

Radio Range..... BALTIMORE RADIO
(With voice) 257 BAL

Radio Communication Station.....
(With voice)

Radio Range..... ELGIN
(Without voice) 209 VPS
"No voice"

Radio Communication Station.....
(Without voice)

Nondirectional Radiobeacon..... DOUGLAS RADIO
(With voice) 251 DGW

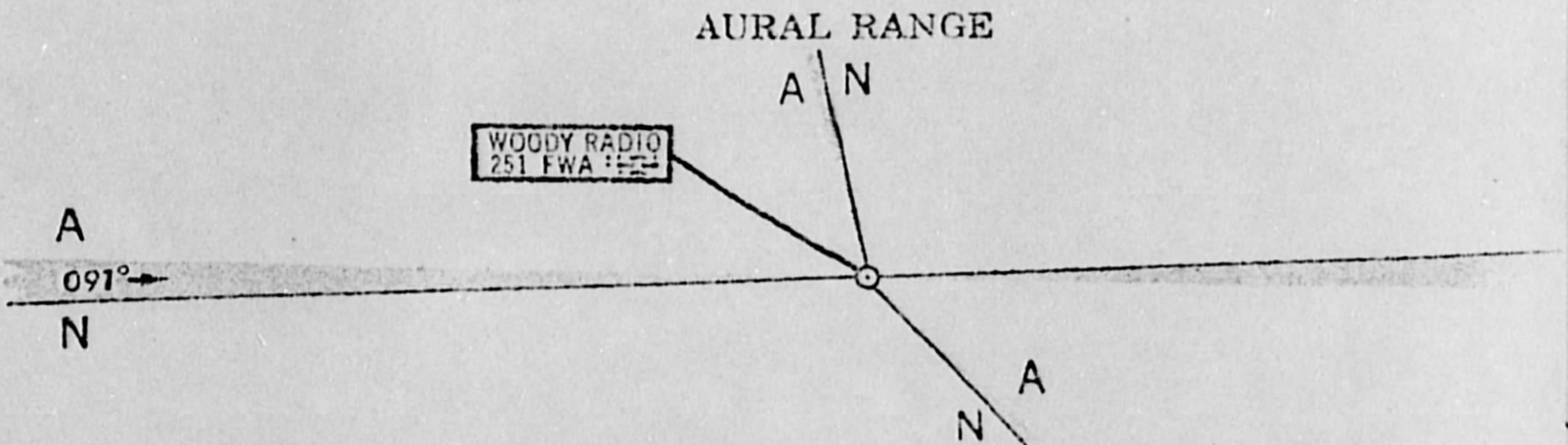
Radio Broadcasting Station.....

Nondirectional Radiobeacon..... DIXIE
(Without voice) 388 DXE
"No voice"

Radar Beacon (Racon).....

Marine Radiobeacon..... RBn
(Without voice) ASHTABULA
314
Om-10m & 30m-40m

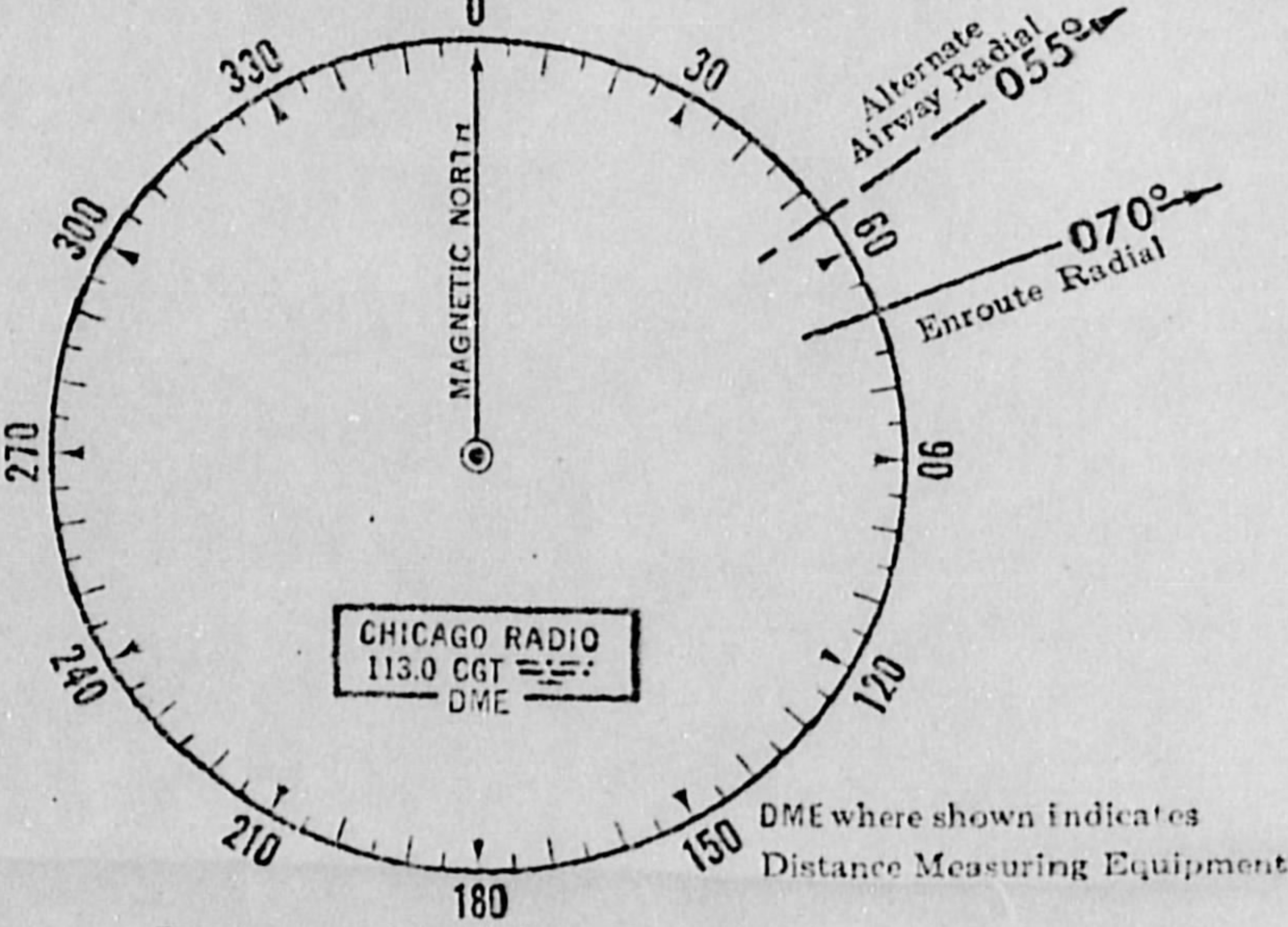
Radio Fan Marker Beacons.....



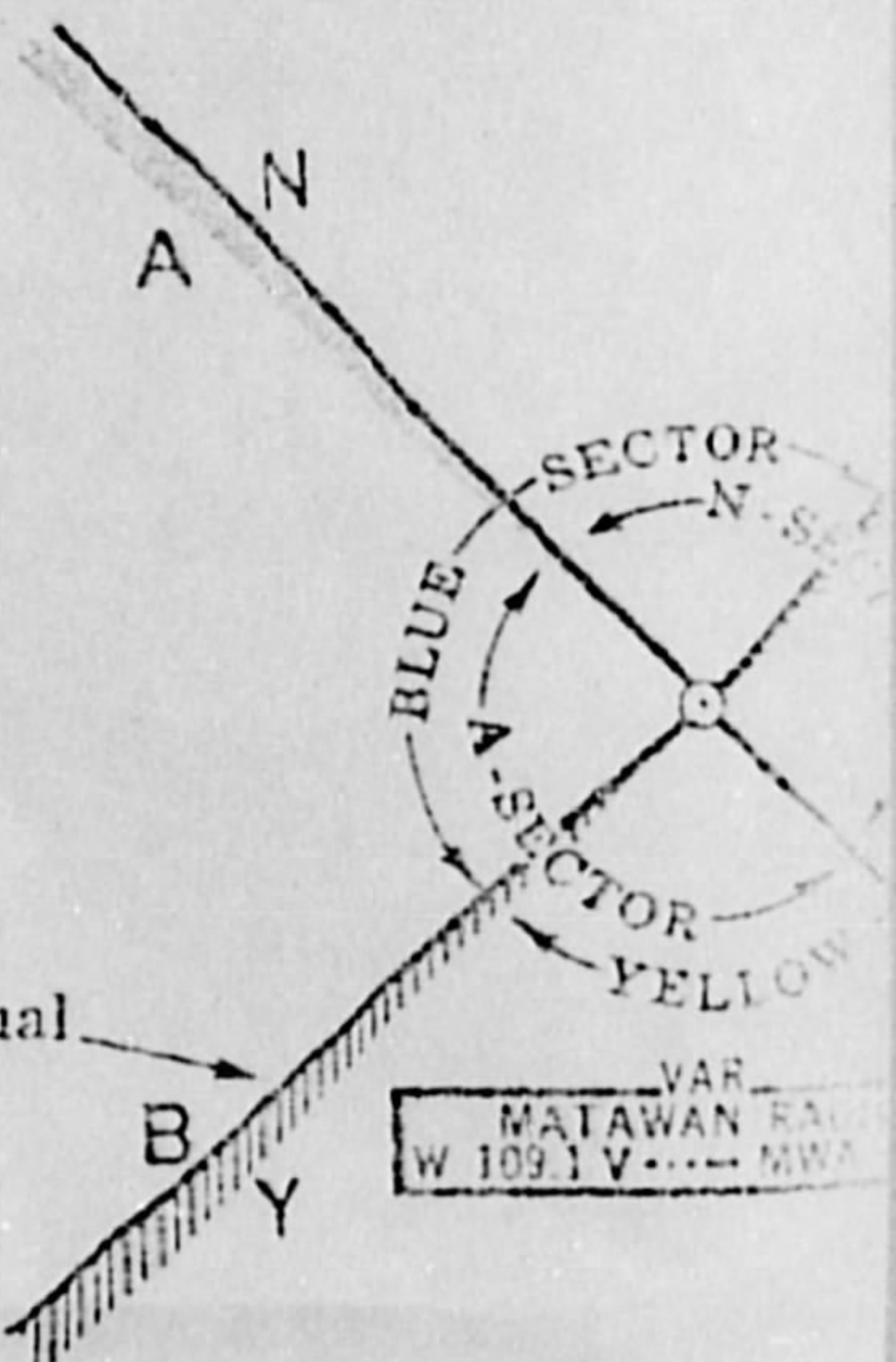
The heavy line indicates the "N" quadrant. The bearings shown are magnetic and the magnetic variation at the position of the ground station is used for computing them.

VHF OMNI-DIRECTIONAL RANGE (VOR)

VHF FOUR COURSE VISUAL-AID

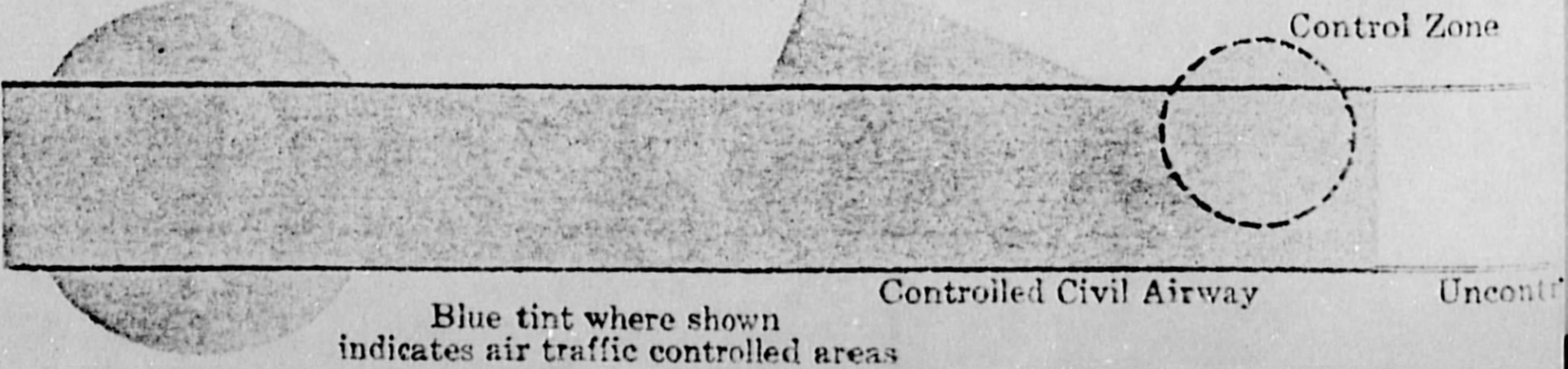


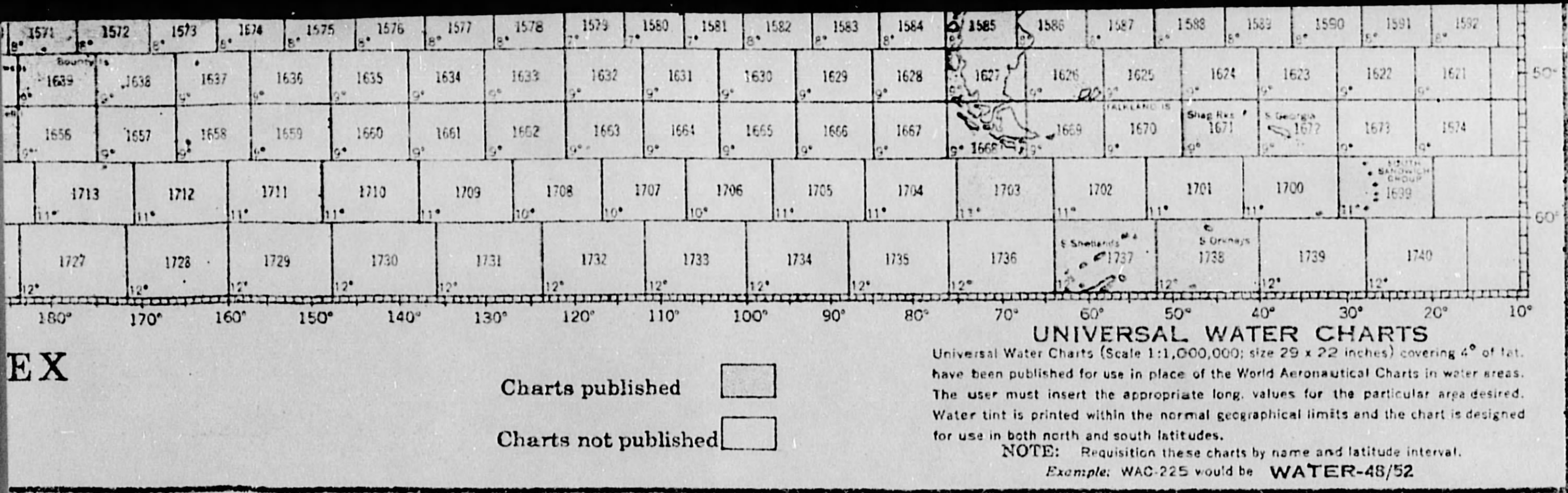
Bearings are magnetic from the station.
Radius of circle is 15 nautical miles.



Letter preceding frequency indicates channel indicator

AIR TRAFFIC CONTROL





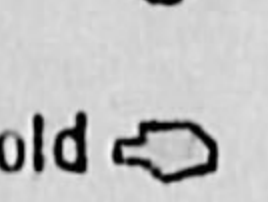
TOPOGRAPHICAL SYMBOLS

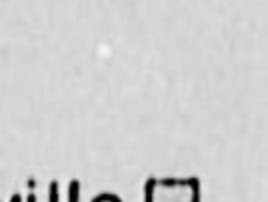
CITIES AND TOWNS

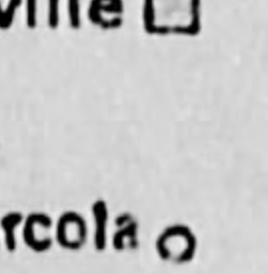
Metropolitan Areas.....**NEW YORK** 

Large Cities.....**RICHMOND** 

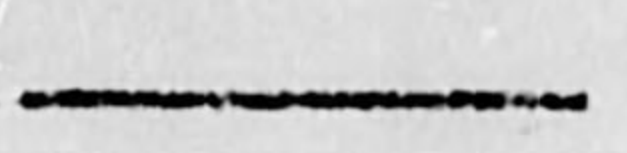
Cities.....**ARLINGTON** 

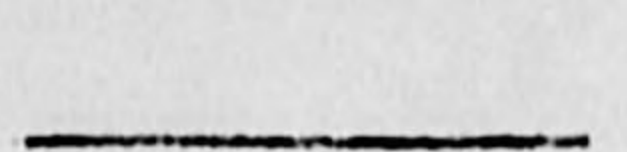
Small Cities.....Freehold 

Large Towns.....Corville 

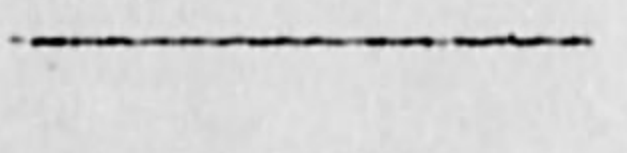
Towns & Villages.....Arcola 

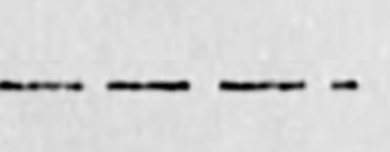
HIGHWAYS AND ROADS

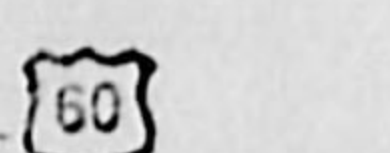
Dual Lane and Super Highways.....

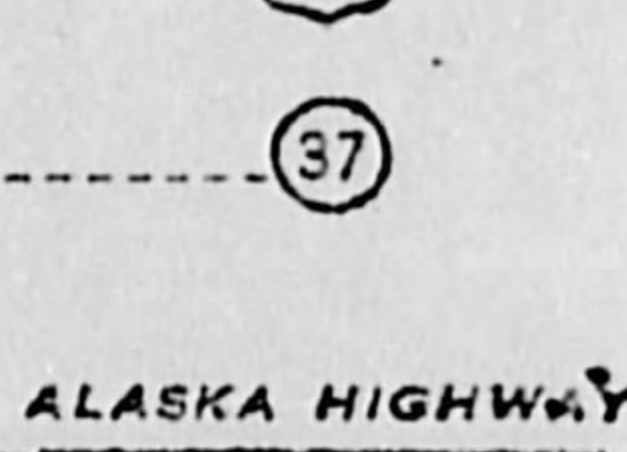
Primary Roads.....

Secondary Roads.....

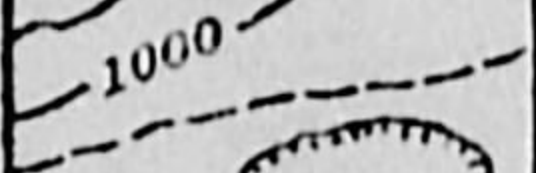
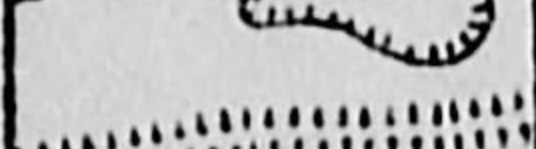
Trails.....

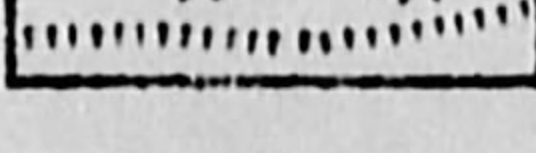
U. S. Road Markers.....

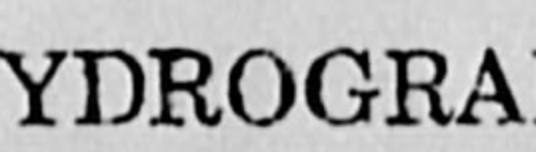
National, State or Provincial Road Markers.....

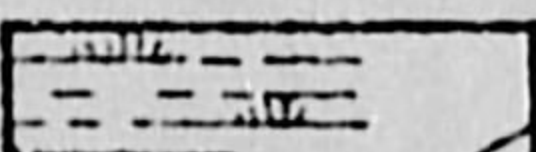
Road Names.....**ALASKA HIGHWAY** 

RELIEF FEATURES

Contours { Reliable.....
Approximate.....
Depression.....

Levees or Eskers.....

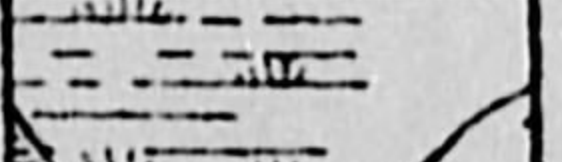
Hachures.....

Bluffs, Cliffs & Escarpments.....

Sand { Dunes.....
Areas.....
Ridges.....

Lava Flow.....

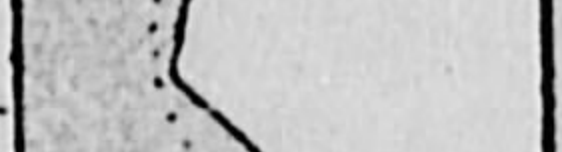
HYDROGRAPHIC FEATURES

Swamps & Marshes.....

Tidal Flats (Exposed at low tide).....

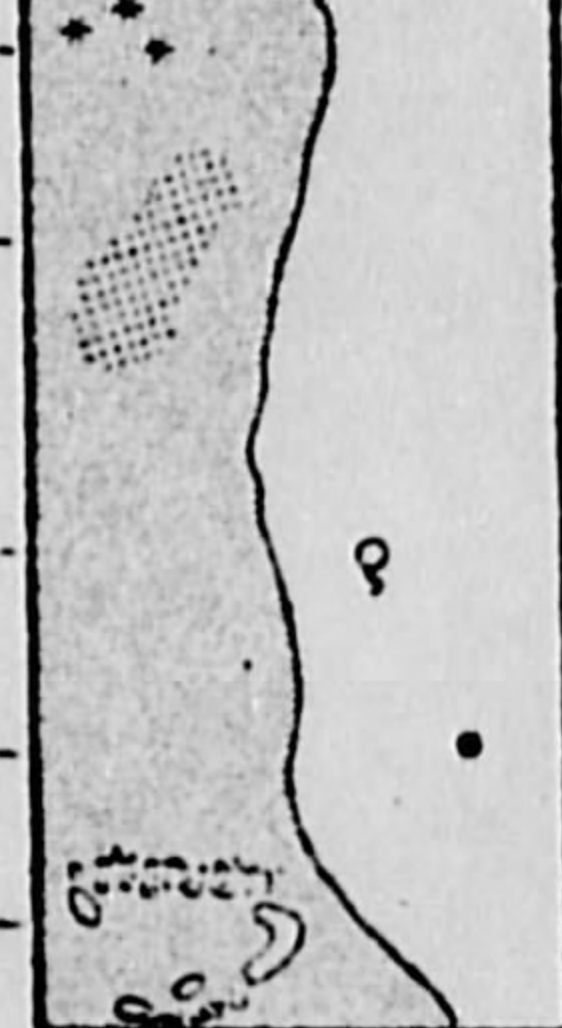
Danger Line.....

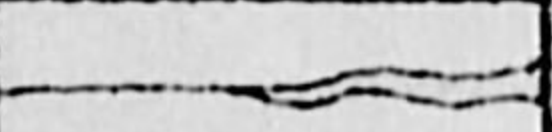
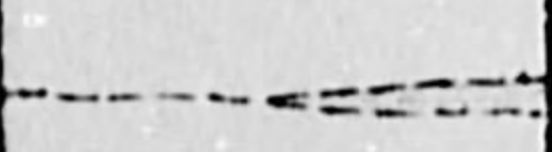
Rocks Awash.....

Shoals (Exposed at low tide).....

Springs.....

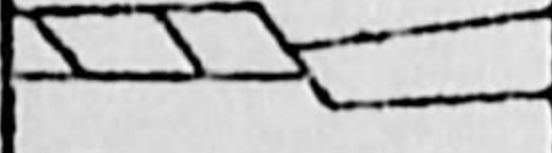
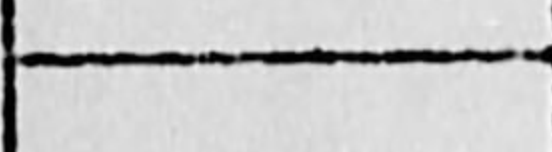
Wells & Water Holes.....

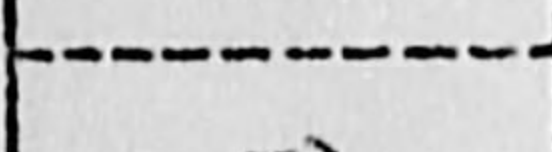
Reefs, Coral & Rocky Ledges (Awash at low tide).....

Streams & Rivers { Perennial.....
Intermittent.....
Probable or Unsurveyed.....
Braided.....

Intermittent Lakes (blue stipple).....

Drainage Ditches.....

Canals { In use.....
Abandoned.....

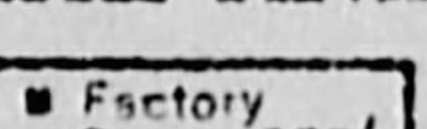
Dry Lake Beds (brown stipple).....

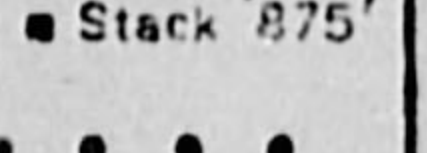
Sand Deposits in river bed.....

Dry Washes (brown stipple).....

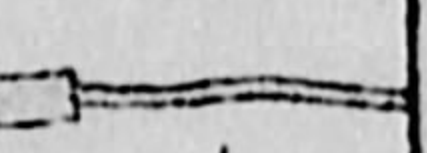
Glaciers and Ice Caps.....

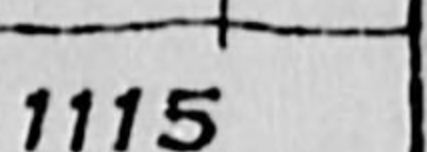
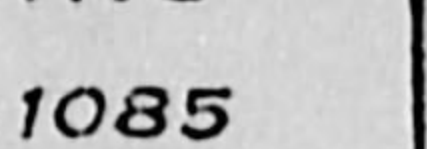
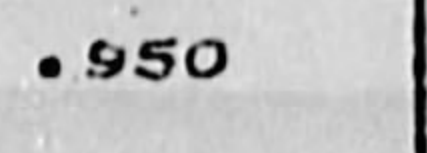
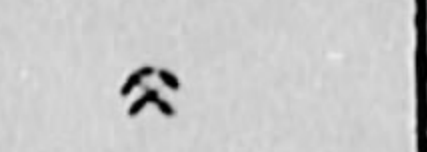
CULTURAL AND MISCELLANEOUS

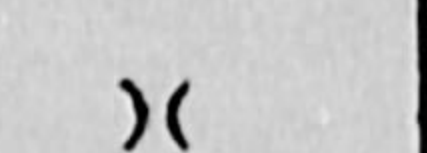
Landmarks (with appropriate note). (Numerals indicate elevation above sea level of top).....

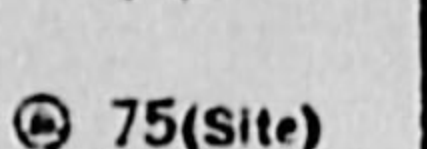
Oil Tanks.....

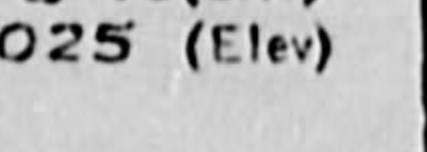
Oil Fields.....

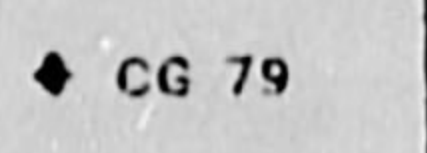
Dams.....

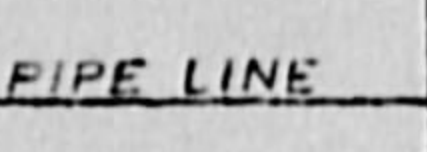
Elevations (In feet) { Highest on chart.....
(Highest on chart is devoid of tint).....
Highest in a general area.....
Spot.....

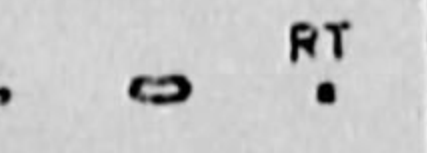
Mines and Quarries.....

Mountain Passes.....

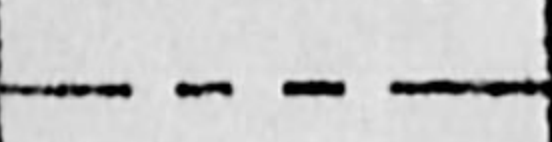
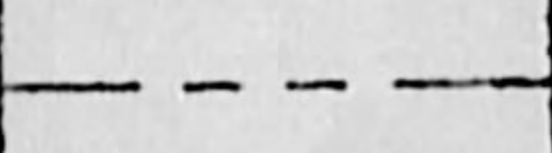
Lookout Stations (Elevation is base of tower).....
75 (Site)
1025 (Elev)

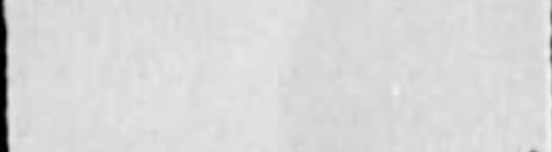
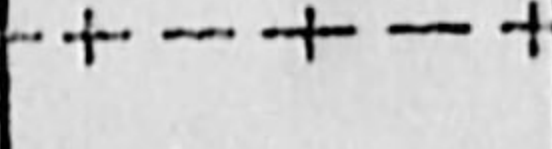
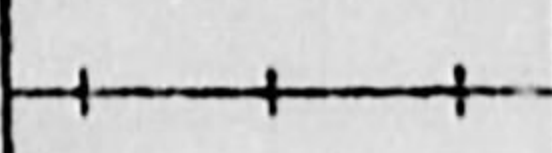
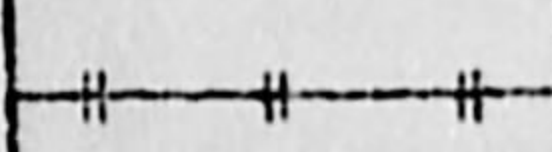
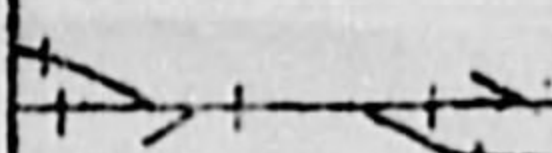
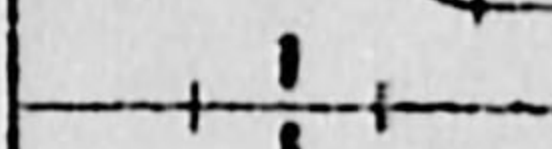
Coast Guard Stations.....
CG 79

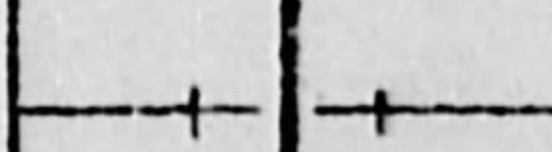
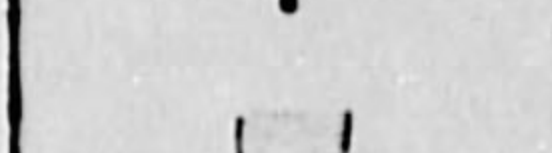
Pipe Lines.....
PIPE LINE

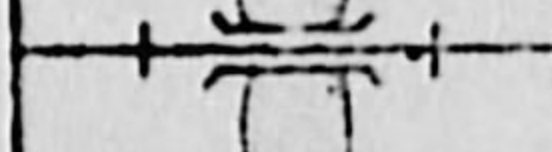
Race Tracks or Stadiums.....
RT

Stranded Wrecks.....

Boundaries { International.....
State & Provincial.....

Railroads { Abandoned or Under Construction.....
Single Track.....
Multiple Track.....
Sidings & Spurs.....
Overpass.....
Underpass.....

Bridges { Railroad.....
Highway.....

Tunnels { Railroad.....
Highway.....