

1. DATE - TIME GROUP 28 September 53 29/0330Z		2. LOCATION Lake Charles, Louisiana	
3. SOURCE Civilians		10. CONCLUSION Astronomical (CAPTELLA)	
4. NUMBER OF OBJECTS Two		Capella in ME at 15 deg elevation rising at reported time of observation. Sighting characteristic of an Astro Body.	
5. LENGTH OF OBSERVATION 1/2 to 1 1/2 hours		11. BRIEF SUMMARY AND ANALYSIS Three civilians reported an observation of a round object which was red, green, blue and silver in color. Maneuvers consisted of shooting back and forth, traveling in a general W direction at high speed. One of the observers stated that one object appeared to shoot sparks at a second object which lighted up.	
6. TYPE OF OBSERVATION Ground-Visual			
7. COURSE W			
8. PHOTOS ☐ Yes ☒ No			
9. 28 Sep Lake Charles, La. balloon ? a-8 ☐ Yes ☒ No			

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

UNCLASSIFIED

RA059

WP0063

YMB063

YYC073

VYB021

VDD006

JESKH 86

PP JEDEN JEDMH JEDWP JEPHQ 444

DE JESKH 67

P 022215Z ZN

FM COMDRADIV006 LAKE CHARLES AFB LA

TO JEPHQ/DIR OF INTELL HQ USAF WASH D C

JEDWP/ATIC WRIGHT PATTERSON AFB OHIO

JEDEN/COMDR ENT AFB COLO SPRINGS COLO

JEDMH/COMDRSAC OFFUTT AFB NEBR

UNCLASSIFIED

~~REDACTED~~ D744DOI 8140. ATTN: ATIAA-2C FBRPT. IA AFL

200-5 29 APR 52, UNIDENTIFIED FLY OBJ RPTD SIGHTED. DESCRIPTION AS REG BY PAR COCA OF CITED LTR FOL: SHAPE OF OBJ: ROUND. SIZE OF OBJ: FROM STAR TO BASKETBALL. COLOR OF OBJ: RED, GREEN, BLUE AND SILVER. NO. ONE. AFEARES: NONE. TRAIL OR EXHUS RED FLASHES AND SMOKE.

PROPULSION SYSTEM: UNK. SPEED: FAST. ND: OM MANEUVERS: HOVER AND SHOOT BACK AND FORTH. MANNER OF DISAPPEARANCE: MOVED UNTIL OUT OF SIGHT. OTHER PERTINENT OR UNUSUAL FEATURES: NONE. TIME OF SIGHTING: APPROX 2100 HRS 28 SEP 53. LENGTH OF TIME OBSERVED: 1 HR. MANNER OF SIGHTING: VISUAL. NO OPTICAL OR ELECTRONIC EQUIPMENT USED. LOCATION

UNCLASSIFIED

DOWNGRADDED AT REGULAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

Muth

Action

*28/2130
LAKE CHARLES*

Calif 12

*1. Ate
2. R. File
3. R. File
4. R. File*

Jo

5 OCT 1953

APPROVED 1 JUNE 1943

(CLASSIFICATION)

UNCLASSIFIED

COUNTRY USA	REPORT NO. IR-49-53	(LEAVE BLANK)
AIR INTELLIGENCE INFORMATION REPORT		
SUBJECT FLYCRPT		
AREA REPORTED ON Lake Charles, Louisiana	FROM (Agency) 44DCI, 806th Air Division	
DATE OF REPORT 29 September 1953	DATE OF INFORMATION 29 September 1953	EVALUATION F-3
PREPARED BY (Officer) Raymond W. McGill, 2nd Lt, AO 3003502	SOURCE Mrs [REDACTED]	
REFERENCES (Control number, directive, previous report, etc., as applicable)		

Two other reports accompanying this report, all observations together.

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclusions at lower left. Begin text of report on AF Form 112—Part II.)

(1) Brief description of the object:

- (a) Shape: Star
- (b) Size: Ordinary Star
- (c) Color: Ordinary Star; Flash red and blue
- (d) Number: Two
- (e) Formation if more than one: None
- (f) Aerodynamic features: None
- (g) Trail or exhaust: Smoke at first then none.
- (h) Propulsion system: Unknown
- (i) Speed: Fast
- (j) Sound: None

(k) Maneuvers: Hover and shoots back and forth

(l) Manner of disappearance: Moved until out of sight.

(m) Other pertinent factors: One object seemed to shoot sparks at second object which lighted up when hit by these.

(2) (a) Time of Sighting: Approximately 2130 hours, 28 September 1953

(b) Length of time observed: 1 Hour

(3) Manner of observation: Visual. No optical or electronic equipment used.

(4) (a) Location of observer during sighting: Approximately 30° 14' N 93° 10' W in Lake Charles, Louisiana

(b) Location of object with respect to observer: To NE altitude and distance unknown.

(5) Identifying Information on Observer: Mrs [REDACTED], Lake Charles, Louisiana. Estimate of reliability and experience: Below Average.

(6) Weather: Clear

(7) Any activity or conditions, meteorological or otherwise, which might account for the sighting: A weather balloon was released at 2100 hours, 28 September 1953, from Lake Charles Air Force Base, Louisiana. Winds up to 3000 feet were traveling in a northwesterly direction which would place the balloons in approximately the position of the sighted object.

(8) Existence of any physical evidence such as fragments, photographs and like of the sighting: None

(9) Interception or identification action taken: None

(10) Location of any air traffic in the general area at the time of the sighting: One B-47 flying transition 1845 - 2235; 3 other A/C landed at Lake Charles Air Force Base during time of sighting.

1
Area Map (1 cy)

APPROVED:

ECH Humphreys Jr
EDWIN C. HUMPHREYS, JR.
Major, USAF
Wing Intelligence Officer
44th Bombardment Wing (M)

DISTRIBUTION BY ORIGINATOR

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED ART

UNCLASSIFIED

PAGE TWO JESKH 67

OF OBSERVER DURING SIGHTING: APPROX 30 DEGREES 14 ' N 93 DEGREES 10 ' W,
IN LAKE CHARLES LA. LOCATION OF OBJ W/RESPECT TO OBSERVER: TO NE, ALT AN
AND DIST UNK. IDENTIFYING INFO ON OBSERVERS: MRS. [REDACTED],
[REDACTED], LAKE CHARLES LA, [REDACTED],
[REDACTED], LAKE CHARLES, LA, AND MRS [REDACTED],
LAKE CHARLES, LA. ESTIMATE OF RELIABILITY AND EXPERIENCE: BELOW AVER-
AGE . WEA: CLEAR. METEOROLOGICAL ACTIVITY: WEA BALLOON RELEASED 2100
HRS 28 SEP 53 FR LAKE CHARLES AFB LA. WINDS TO 3000 FR NORTHWESTERLY,
WHCIH WOULD PLACE BALLOON IN APPROX POS OF SIGHTED OBJ. PHYSICAL
EBIDENCE: NONE. INTERCEPTION OR INDENTIFICATION ACTION TAKEN: NONE.
AIR TRAFFIC IN GENERAL AREA: ONE B-47 FLYING TRANSITION 1845-2235,
THREE OTHER ACFT LANDED AT LAKE CHARLES AFB, LA DURING TIME SIGHTING.
WRITTEN RPT BEING SUBM THIS DATE.

02/2248Z OCT JESKH

DOWNGRADED AT 3 YEAR INTERVAL
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

UNCLASSIFIED

COUNTRY	USA	UNCLASSIFIED REPORT NO.	IR-48-53	(LEAVE BLANK)
AIR INTELLIGENCE INFORMATION REPORT				
SUBJECT FLYOVERPT				
AREA REPORTED ON Lake Charles, Louisiana		FROM (Agency) 44BGI, 806th Air Division		
DATE OF REPORT 29 September 1953	DATE OF INFORMATION 29 September 1953	EVALUATION F-3		
PREPARED BY (Officer) Raymond W. Nagill, 2nd Lt, AO 3003502		SOURCE Mrs. K. [REDACTED]		
REFERENCES (Cite number, director, previous report, etc., as applicable)				

Two other reports accompanying this report, all observations together

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclusions at lower left. Begin text of report on AF Form 112—Part II.)

- (1) Brief description of the object:
 - (a) Shape: Undeterminable
 - (b) Size: About the size of a basketball
 - (c) Color: Silver
 - (d) Number: One
 - (e) Formation if more than one: Not applicable.
 - (f) Aerodynamic features: None
 - (g) Trail or exhaust: Red flashes and smoke
 - (h) Propulsion system: Unknown
 - (i) Speed: Fast
 - (j) Sound: None
 - (k) Maneuvers: Back and forth and in circles
 - (l) Manner of disappearance: As if electric light turned out.
 - (m) Other pertinent or unusual features: None
- (2) (a) Time of sighting: Approximately 2100 hours, 28 September 1953
 (b) Length of time observed: $\frac{1}{2}$ Hour
- (3) Manner of sighting: Visual. No optical or electronic equipment used.
- (4) (a) Location of observer during sighting: Approximately 300° 14' N 93° 10' W in Lake Charles, Louisiana
 (b) Location of object with respect to observer: To NE, altitude and distance unknown.
- (5) Identifying Information on Observer: Mrs. [REDACTED]
 [REDACTED] Lake Charles, Louisiana. Estimate of reliability and experience: Below Average.
- (6) Weather: Clear
- (7) Any activity or conditions, meteorological or otherwise, which might account for the sighting: A weather balloon was released at 2100 hours, 28 September 1953 from Lake Charles Air Force Base, Louisiana. Winds up to 3000 feet were traveling in a northwesterly direction which would place the balloons in approximately the position of the sighted object.
- (8) Existence of any physical evidence such as fragments, photographs and like of the sightings: None
- (9) Interception or identification action taken: None
- (10) Location of any air traffic in the general area at the time of the sighting: One F-47 flying transition 1245 - 2235; 3 other A/C landed at Lake Charles Air Force Base during time of sightings.

1

Area Map (1 cy)

APPROVED:

E. C. Humphreys Jr.
 EDWIN C. HUMPHREYS, Jr.
 Major, USAF
 Wing Intelligence Officer
 44th Bombardment Wing (M)

DISTRIBUTION BY ORIGINATOR

DOWNGRADED AT 1 YEAR INTERVALS;
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

COUNTRY USA	UNCLASSIFIED	REPORT NO. IR-47-53	(LEAVE BLANK)
AIR INTELLIGENCE INFORMATION REPORT			
SUBJECT FLYOVER			
AREA REPORTED ON Lake Charles, Louisiana		FROM (Agency) 44DGI, 800th Air Division	
DATE OF REPORT 29 September 1953	DATE OF INFORMATION 29 September 1953	EVALUATION F-3	
PREPARED BY (Name) Raymond W. McGill, 2nd Lt, AC 3003502		SOURCE [REDACTED]	
REFERENCES (Control number, directive, previous report, etc., as applicable)			

Two other reports accompanying this report, all observations together.

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclusions at lower left. Begin text of report on AF Form 112- Part II.)

(1) Brief description of the object:

- (a) Shape: Star
- (b) Size: Star
- (c) Color: Red, green and blue
- (d) Number: Two
- (e) Formation if more than one: None
- (f) Aerodynamic features: None
- (g) Trail or exhaust: White smoke
- (h) Propulsion system: Unknown
- (i) Speed: Fast
- (j) Sound: None
- (k) Maneuvers: Remain still then shoots back and forth.
- (l) Manner of disappearance: Moved until couldn't see any more.
- (m) Other pertinent or unusual features: None

(2) (a) Time of Sighting: Approximately 2100 hours, 28 September 1953

(b) Length of time observed: 1 to 1 1/2 hours:

(3) Manner of observation: Visual. No optical or electronic equipment used.

(4) (a) Location of observer during sighting: Approximately 30° 14' N 93° 10' W in Lake Charles, Louisiana

(b) Location of object with respect to observer: To NW, altitude and distance unknown.

(5) Identifying information on Observer: [REDACTED], Lake Charles, Louisiana

(6) Weather: Clear

(7) Any activity or conditions, meteorological or otherwise, which might account for the sighting: A weather balloon was released at 2100 hours, 28 September 1953 from Lake Charles Air Force Base, Louisiana. Winds up to 3000 feet were traveling in a northwesterly direction which would place the balloon in approximately the position of the sighted object.

(8) Existence of any physical evidence such as fragments, photographs and like of the sightings: None

(9) Interception or identification action taken: None

(10) Location of any air traffic in the general area at the time of the sighting: One B-47 flying transition 1245 - 2235; 3 other A/G landed at Lake Charles Air Force Base during time of sighting.

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5206.10

1 INCL.

Area Map (1 cy)

APPROVED:

EC Humphreys Jr.
EDWIN C. HUMPHREYS, Jr.
Major, USAF
Wing Intelligence Officer
44th Bombardment Wing (H)

ELA

(Joins 407) 96°K

To Tyler 320 TYR -.-.-

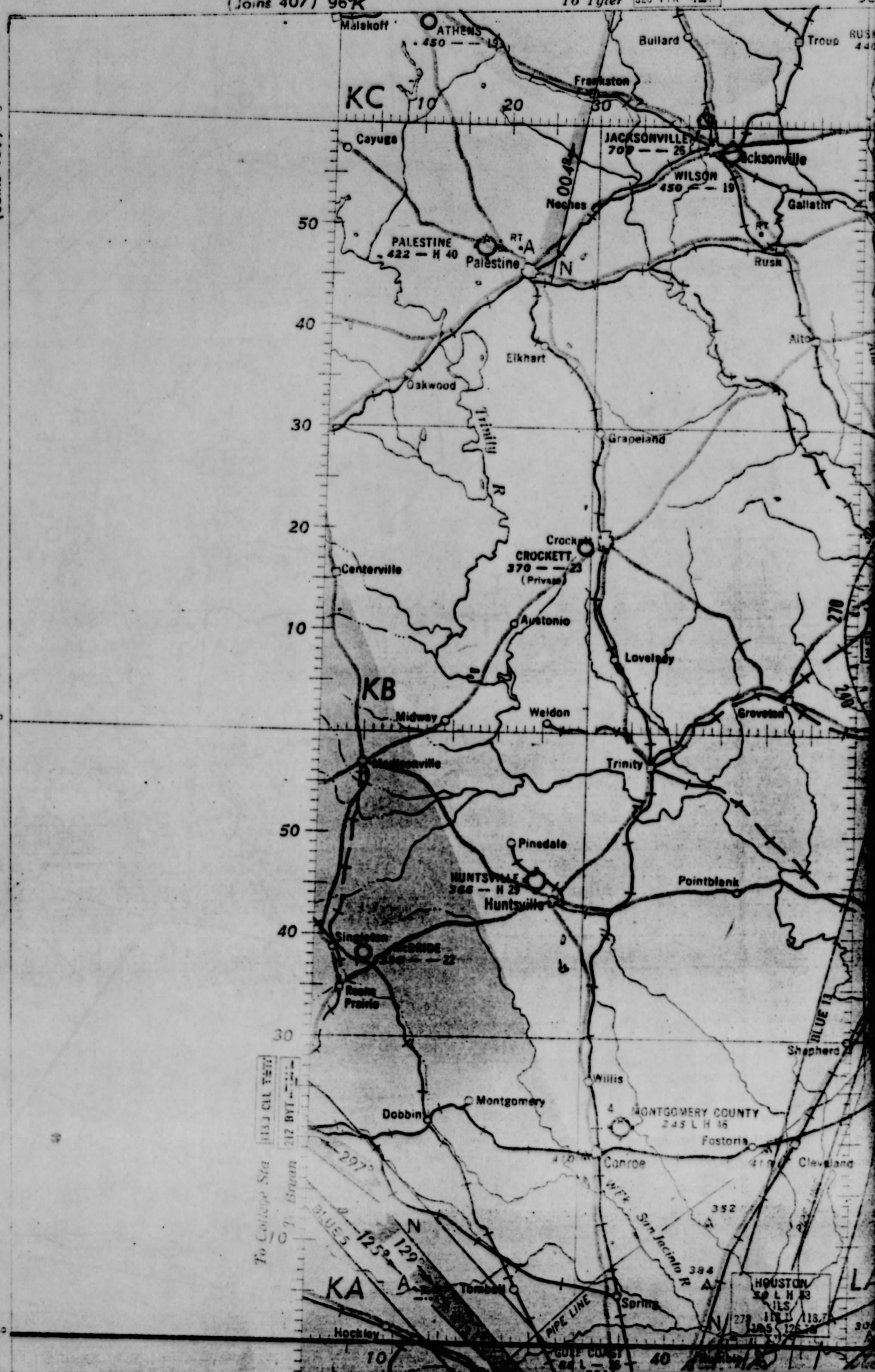
95

52°

(Joins 469)

31.

FJ

 30° 

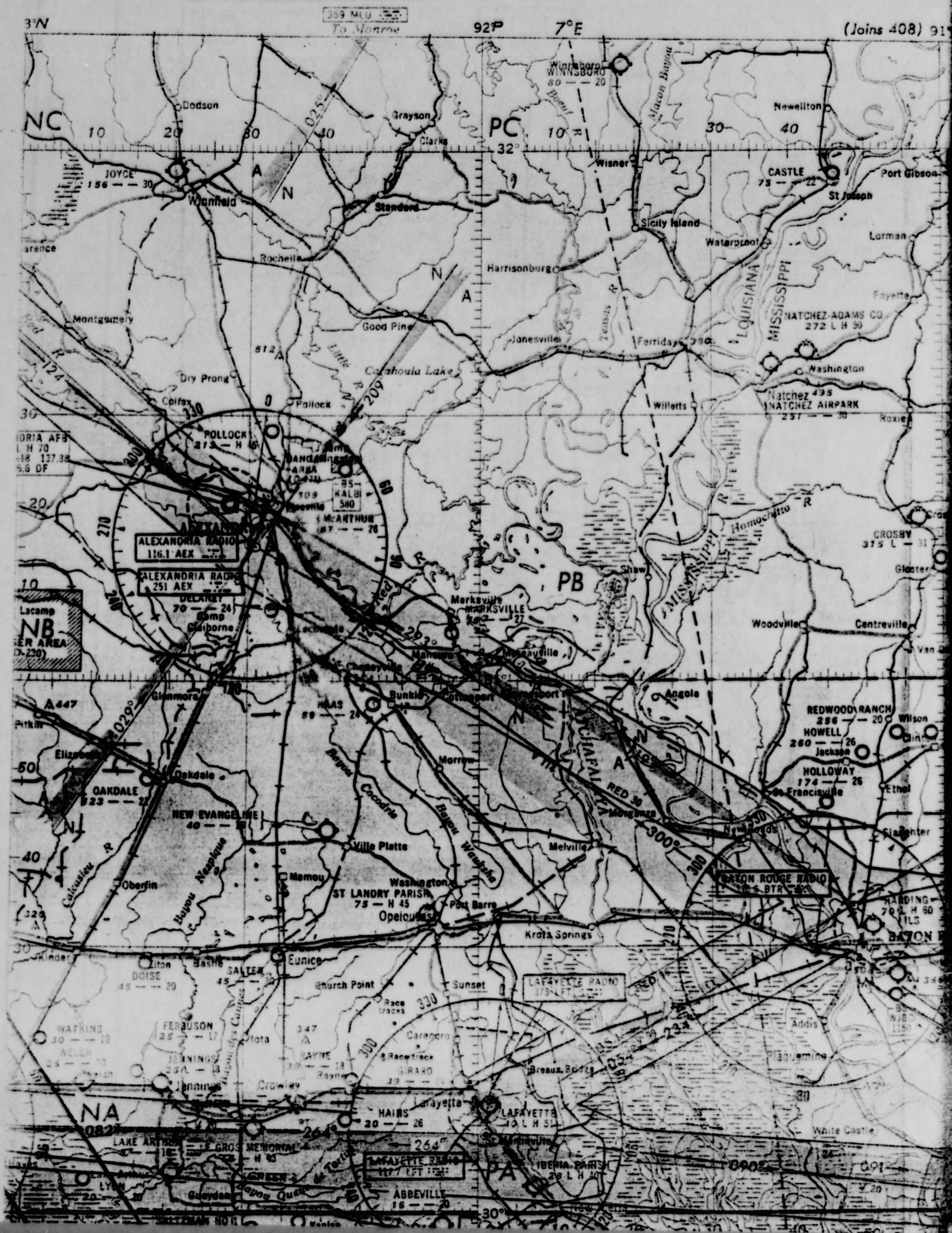
VATIONS IN FEET

WORLD AERONAUTICAL

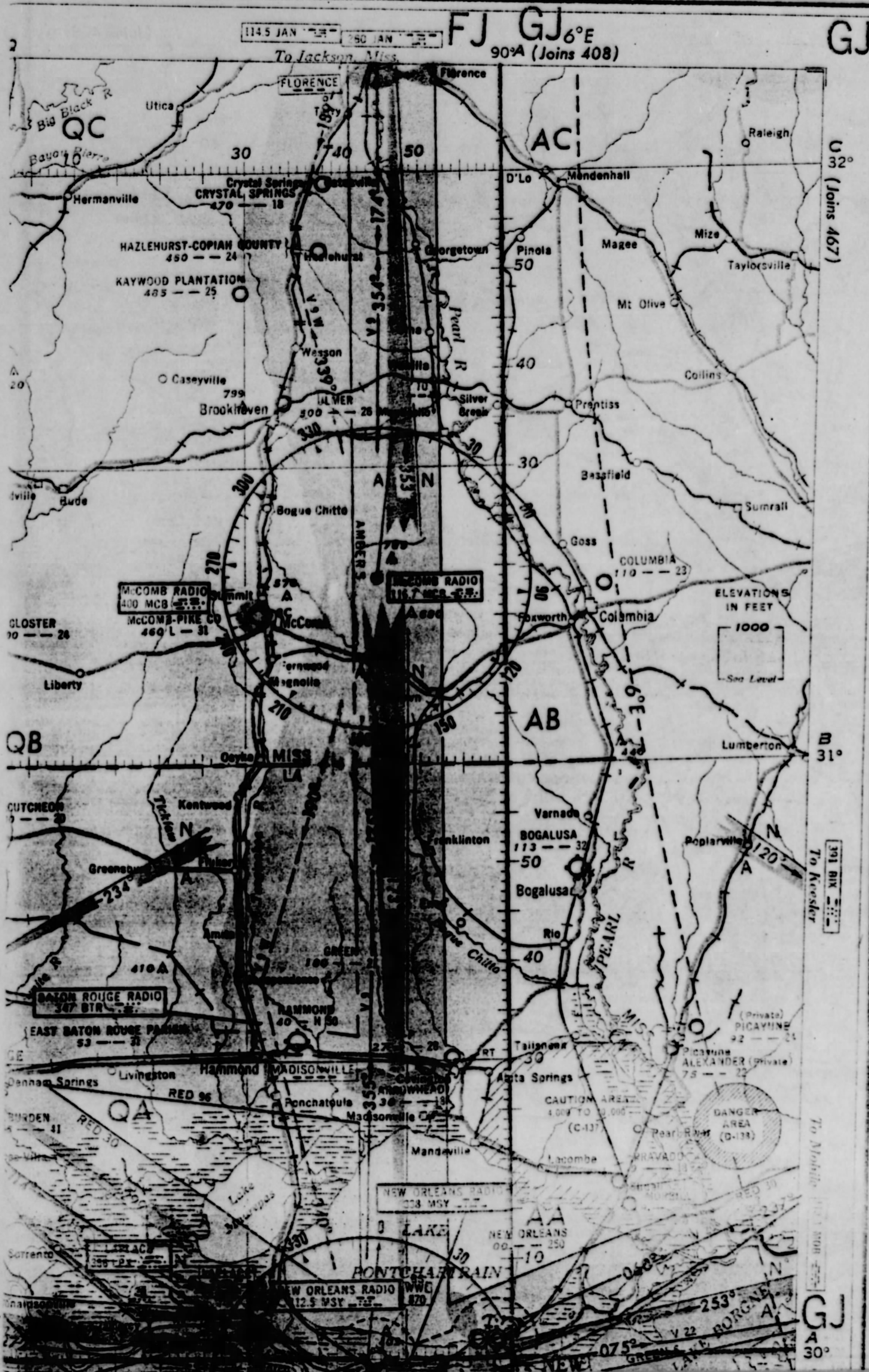


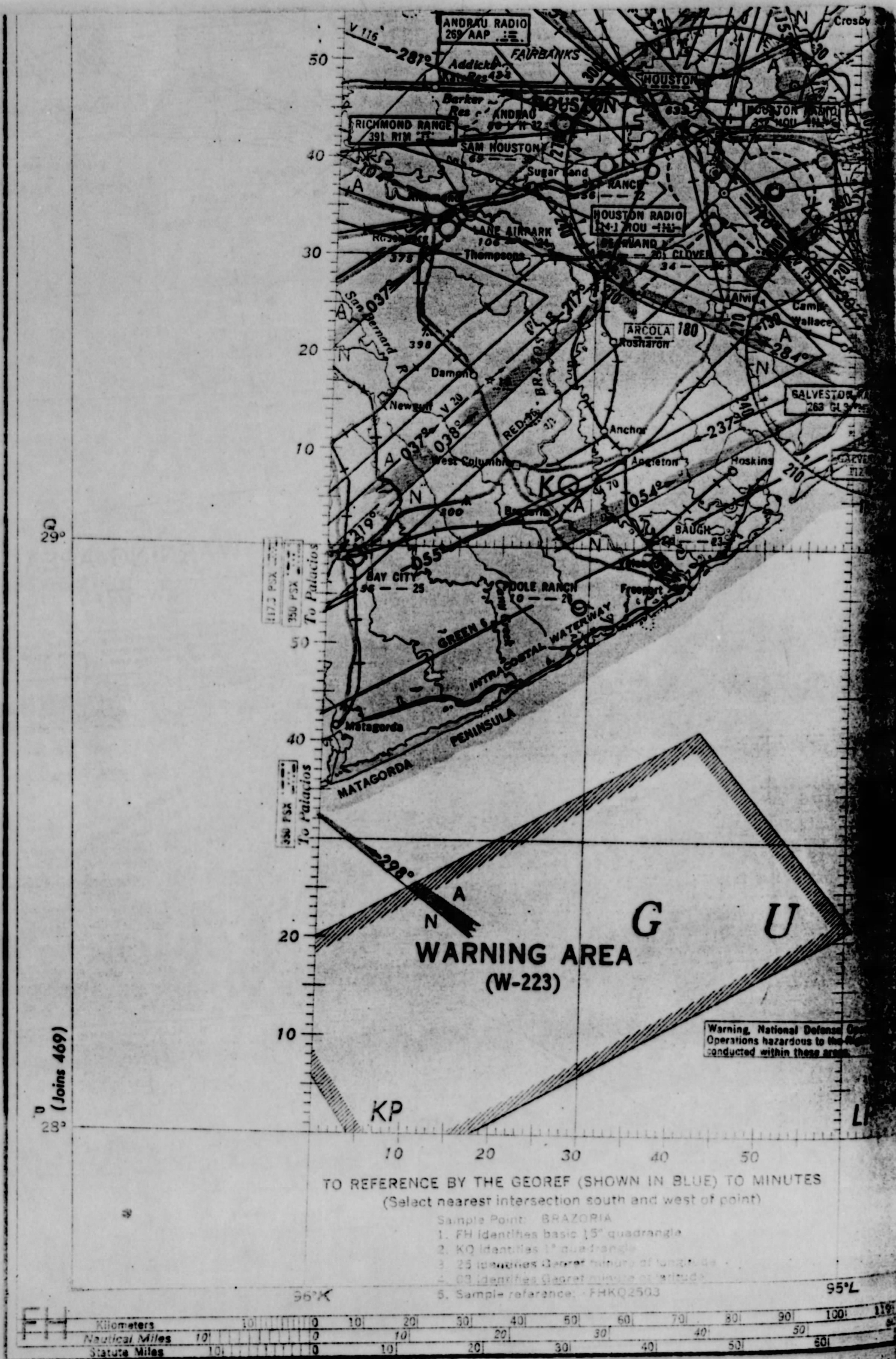
AUTICAL CHART

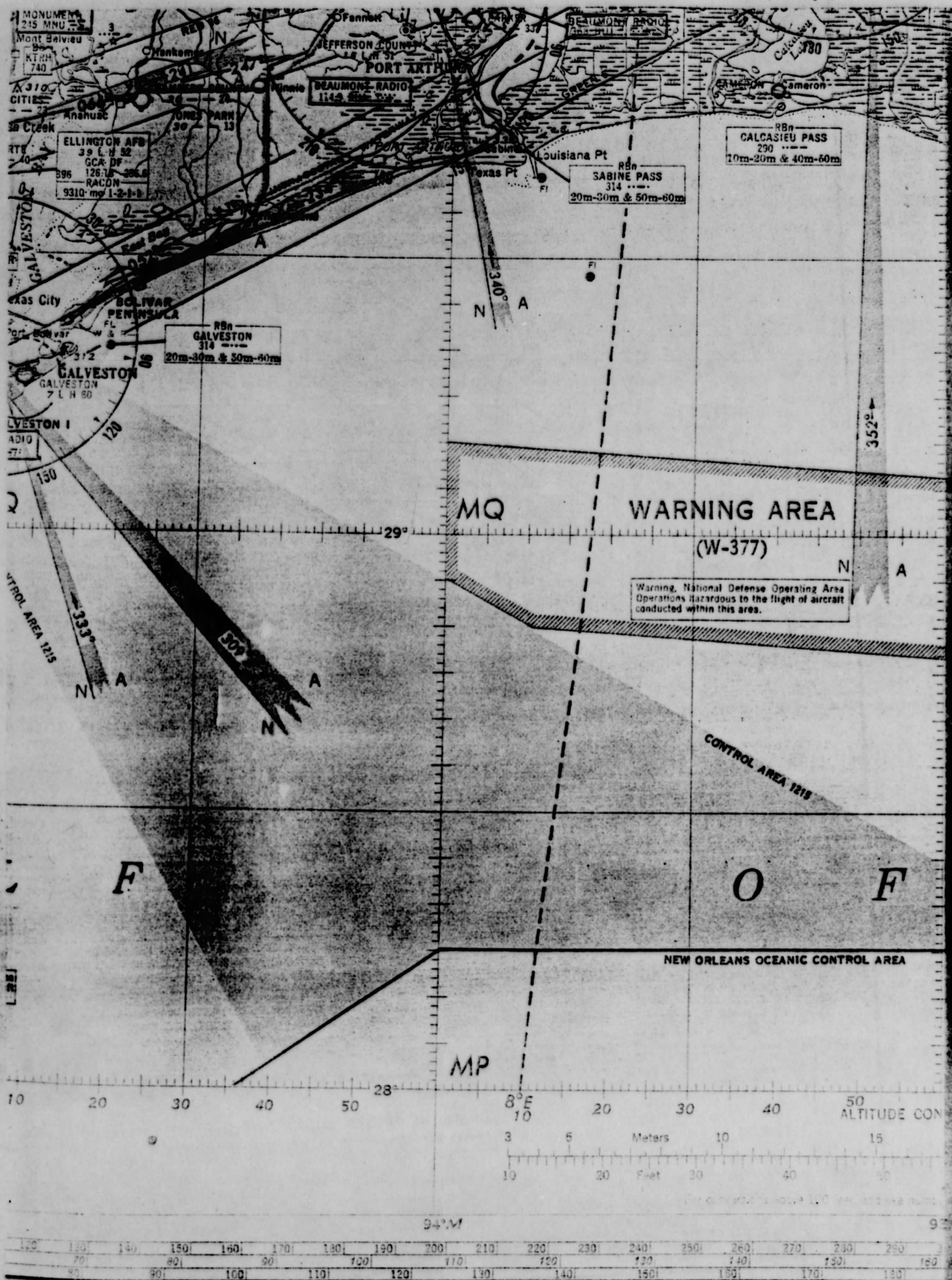
Compiled to ICAO Standards
For ICAO number add 2000 to the chart number.



(468)

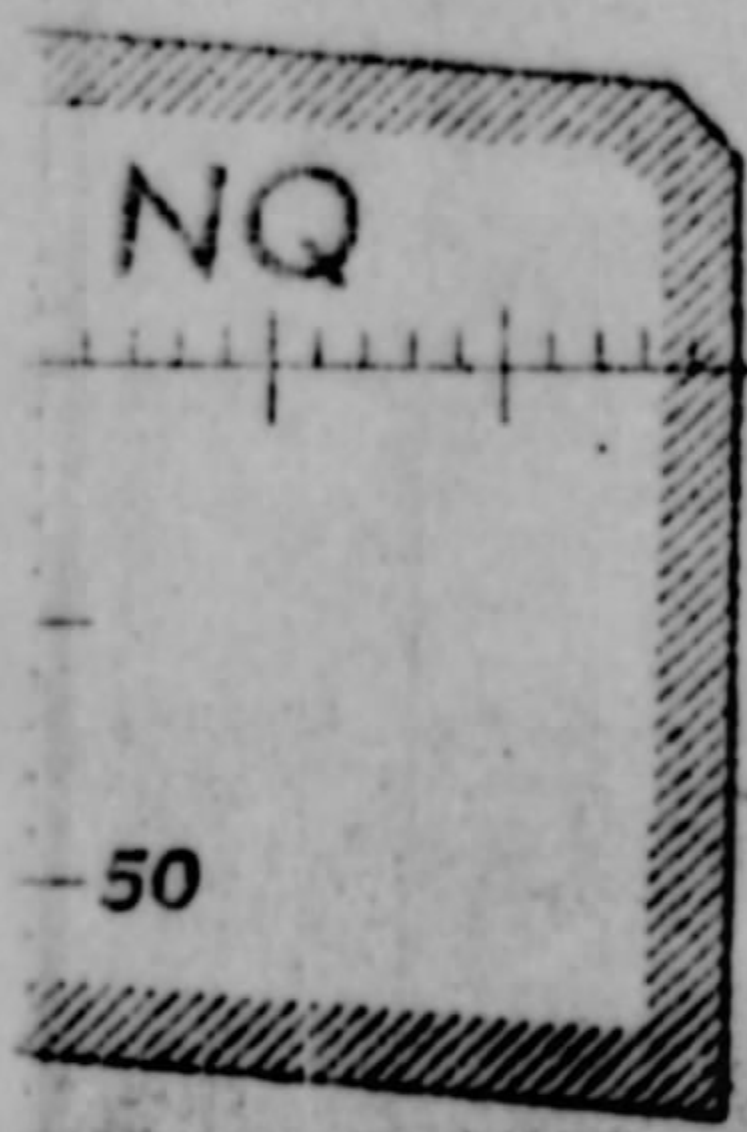
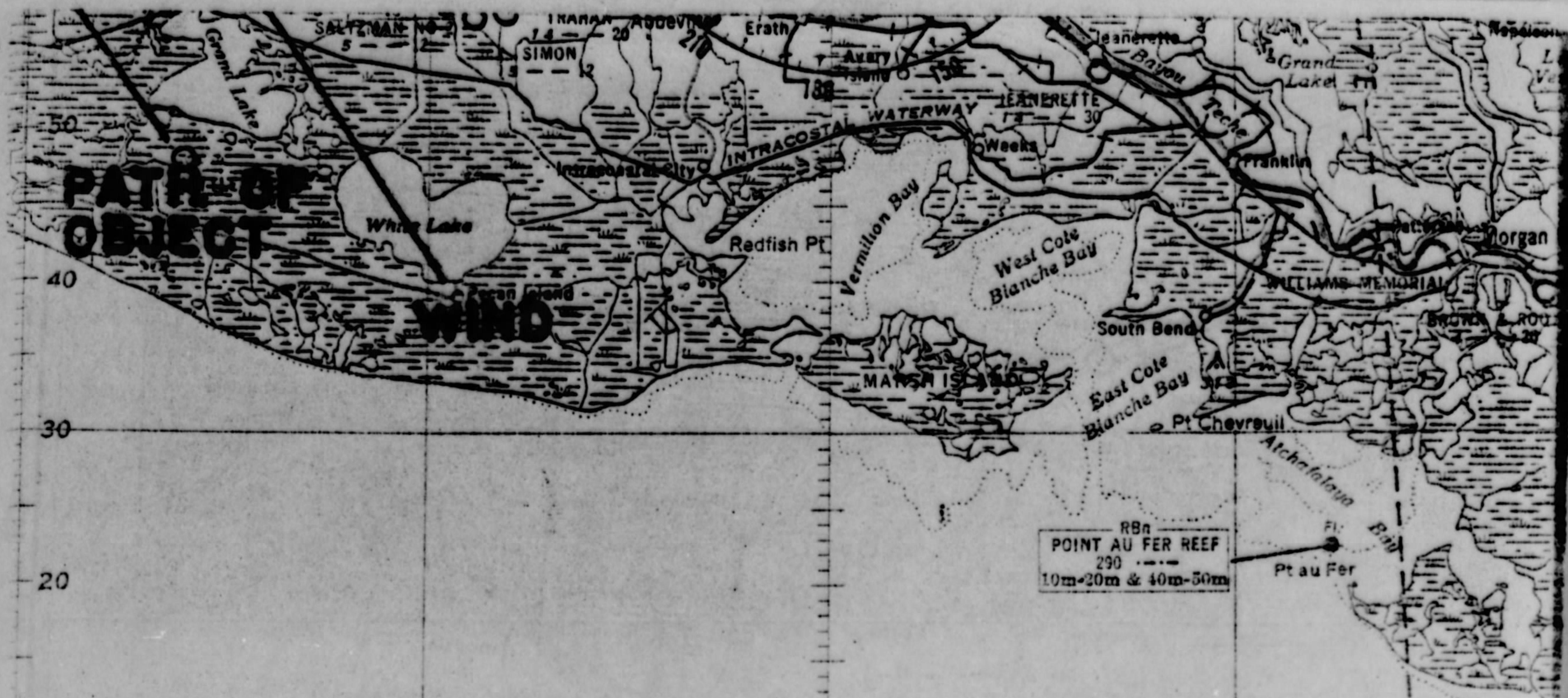






GOLDEN
ANNIVERSARY
POWERED
FLIGHT

Compiled and printed at Washington, D. C. by the U. S. Coast and Geodetic Survey
under authority of the Secretary of Commerce
JANUARY 1945 Revised JULY 1951 BASE NO 2 R 9
BLUE TINT INDICATES AIR TRAFFIC CONTROLLED AREAS



PQ

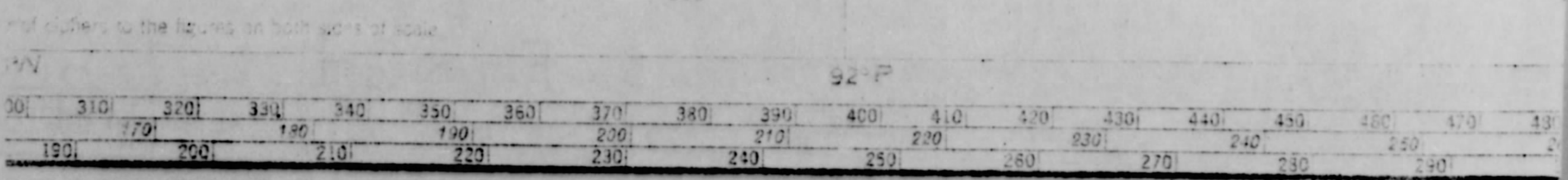
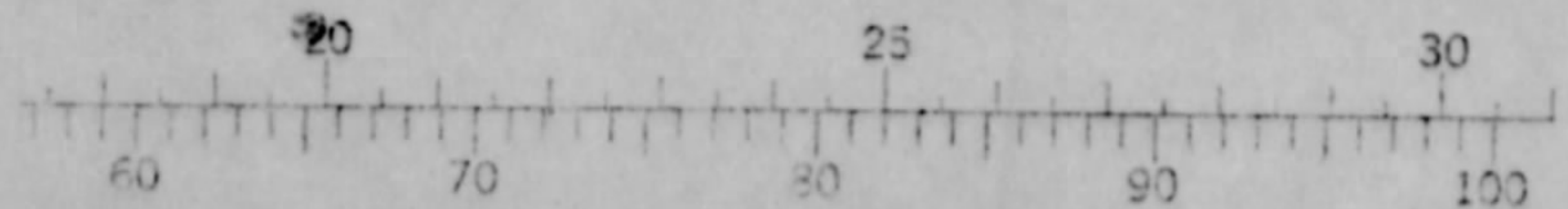
M E X

NP

PP

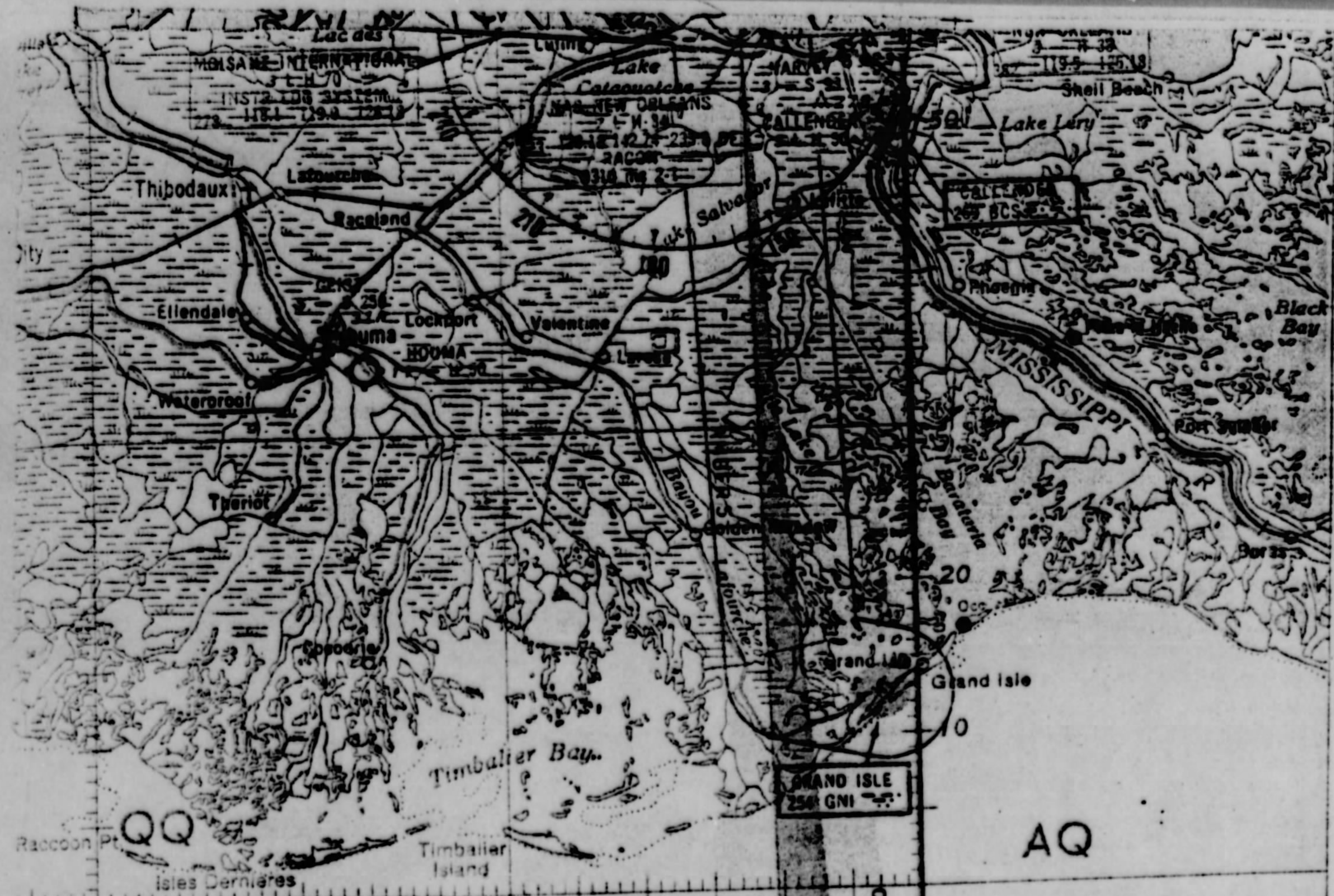
VERSION SCALE 10 20 30 40 50

10 20 30 40 50 7°E



Note: It is requested that users of this chart indicate corrections and additions which come to their attention and comply with mailing instructions on reverse side.

SCALE 1:1,000,000
GEOREF 3-52



Warning. National Defense Operating Area
Operations hazardous to the flight of aircraft
conducted within this area.

WARNING AREA
(W-92).

C O

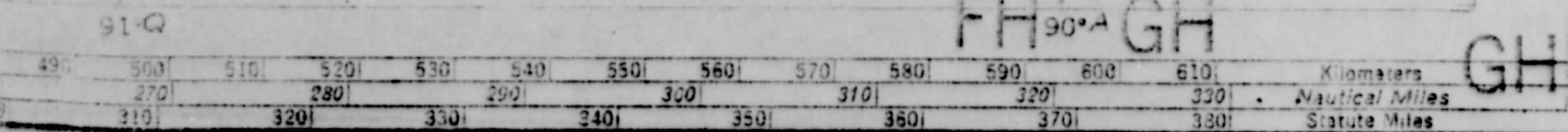
NEW ORLEANS OCEANIC CONTROL AREA

351°
CONTROL AREA 1216

QP

AP

(Joins 467)
P
28°



17TH EDITION Consult appropriate NOTAMS and Radio
Facility Charts for changes in aeronautical information
on this chart after February 14, 1953
Next scheduled edition, September 1953

GALVESTON BAY (468)
UNITED STATES

U.S. AIR FORCE EDITION

AERONAUTICAL CHART SUPPLY

To insure that the airman has the latest information available, U. S. World Aeronautical Charts are revised at six-month periods and the Alaskan World Aeronautical Charts are revised at twelve-month periods. The time of the next scheduled printing is shown on the face of the chart below the date of the aeronautical information.

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 USAF Aeronautical Chart and Information Service are indexed or listed in the current edition of the USAF "Catalog of Aeronautical Charts and Related Publications."

2. Requisitioning.

a. Outside Continental United States:

- (1) USAF activities are to submit requisitions thru the supply channels designated by the Theater Commander for maintenance and distribution of aeronautical charts and maps.
- (2) Theater supply facilities are to submit requisitions for replenishment of stocks of aeronautical charts and maps thru channels to USAF Aeronautical Chart and Information Service, Washington 25, D.C.

b. Within Continental United States: Requisitions from USAF activities within Continental United States are to be submitted to Commanding Officer, Aeronautical Chart Plant, Attn: Distribution Division, 2nd and Arsenal Sts., St. Louis 18, Mo. Except when emanating from an Air Force, Wing, or Command Headquarters, requisitions are to bear the signature or approval by indorsement of the Base or Station Operations Officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a 30-day supply at all times but not to exceed a 60-day supply.

3. Requirements for Special Purpose Maps and Charts.

a. Maps and charts for special purposes, specific missions, and also those maps and charts published by other government agencies, which are not listed in the principal types of aeronautical charts in the current edition of the USAF "Catalog of Aeronautical Charts and Related Publications," should be requisitioned from USAF Aeronautical Chart and Information Service, Washington 25, D.C. Charts will be furnished, if available, when sufficiently identified in requisitions as to name or number, scale, projection and publisher.

b. Information regarding cloth reproduction of certain selected aeronautical charts and maps may be obtained, on request, from: USAF Aeronautical Chart and Information Service, Washington 25, D. C.

4. Obsolete Charts

Aeronautical charts rendered obsolete-for-air by a new edition, when not practicable to correct for conformity with new edition, are to be salvaged if feasible, or else destroyed. Disposition by salvage or destruction is to be made in accordance with provisions of AFR 205-1. New editions of charts available are announced in the USAF Aeronautical Chart and Information Service Bulletin published semimonthly.

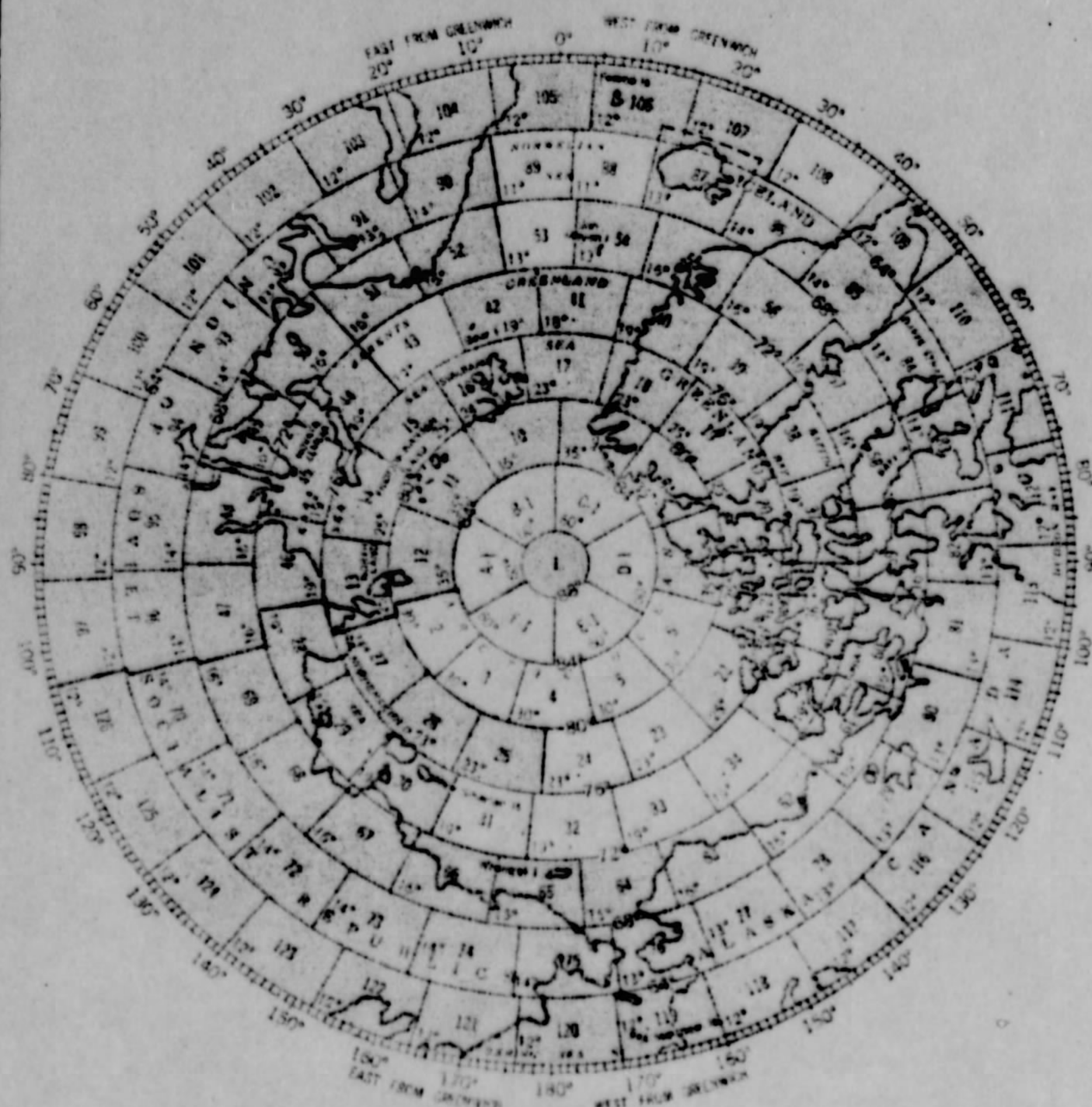
CORRECTION INSTRUCTIONS

1. The Coast and Geodetic Survey is making every effort to furnish the user with accurate charts. The user will materially assist in this effort by marking corrections of aeronautical information, drainage, relief and cultural features (roads, canals, power lines, etc.) on the face of the chart, on an overlay of the area, or under "Remarks" below. In reporting elevation corrections, state method used by observer in making the determination.

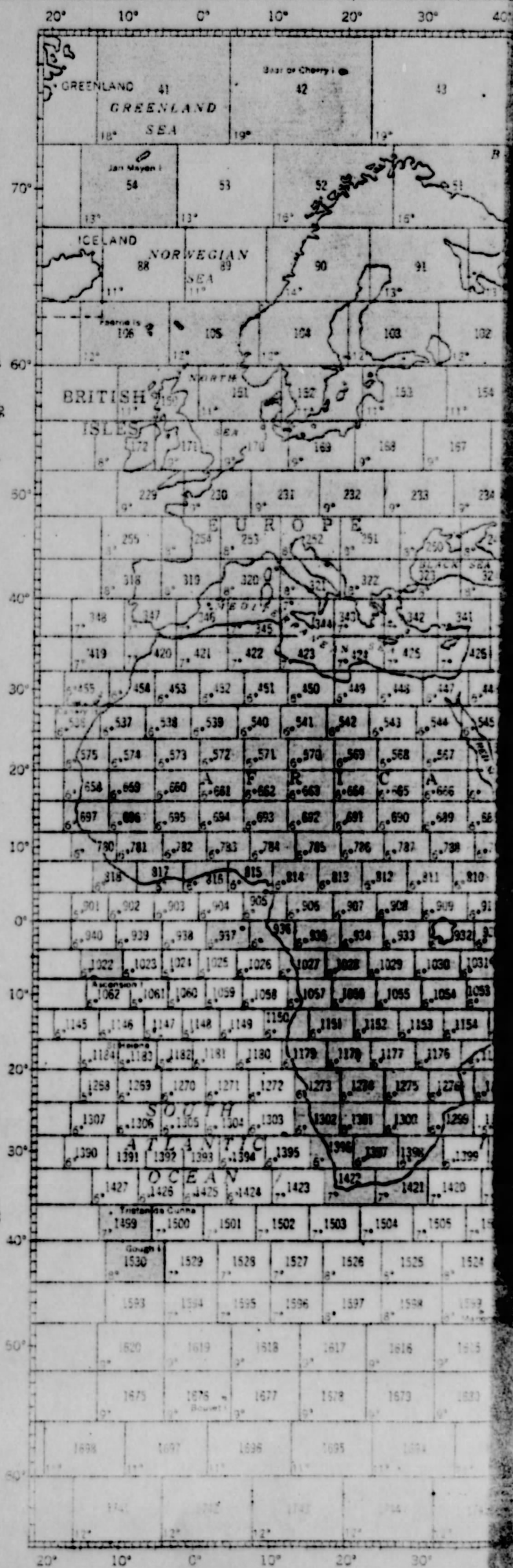
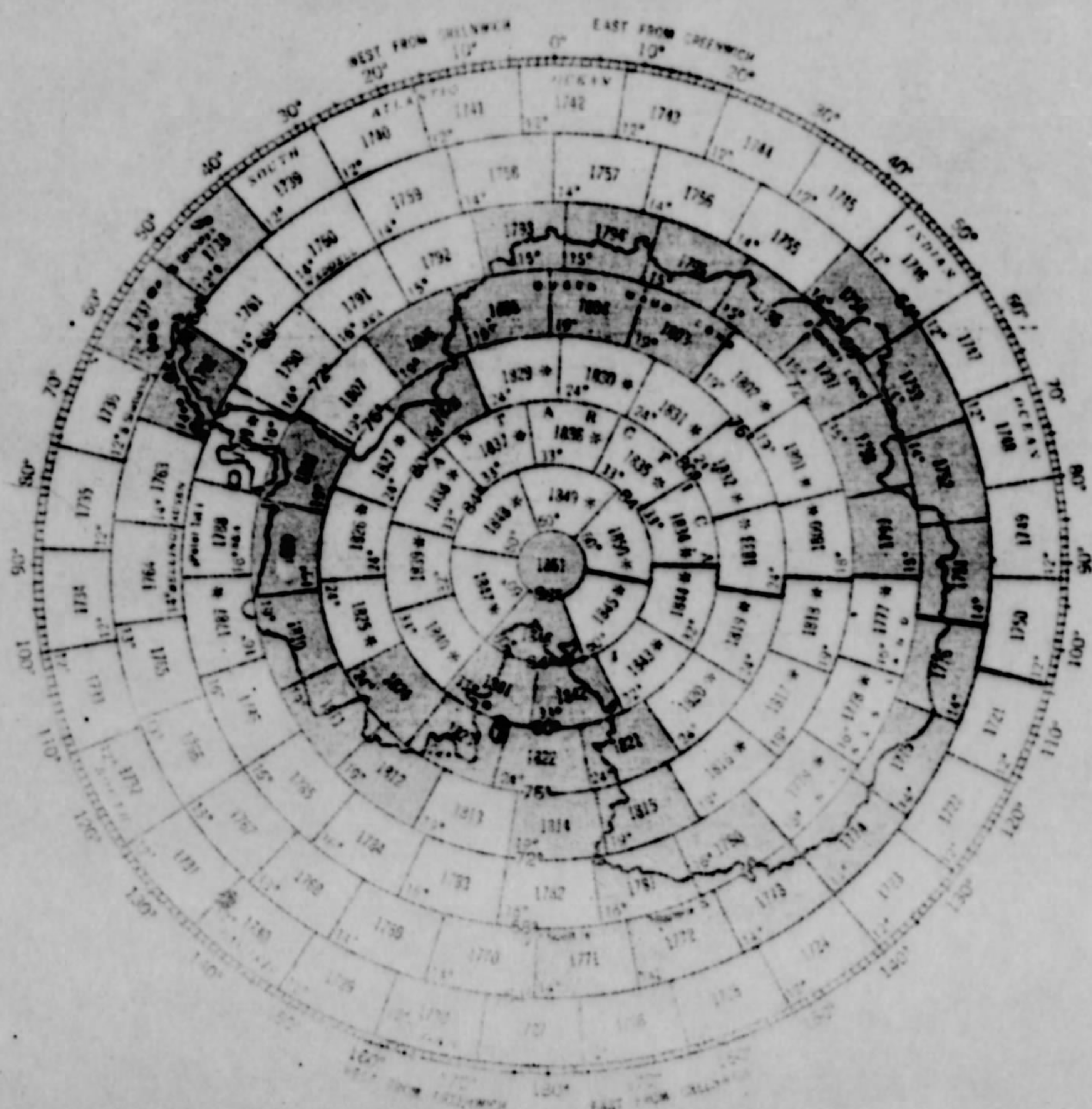
- a. Mark correction on face of chart or under "Remarks" below.
- b. Fold chart along regular fold lines, but with back out.
- c. Make an extra fold along dotted line and staple at points so marked.
- d. Fill in the return address and drop the chart in any U.S. mail box. Postage is not required.

Remarks:

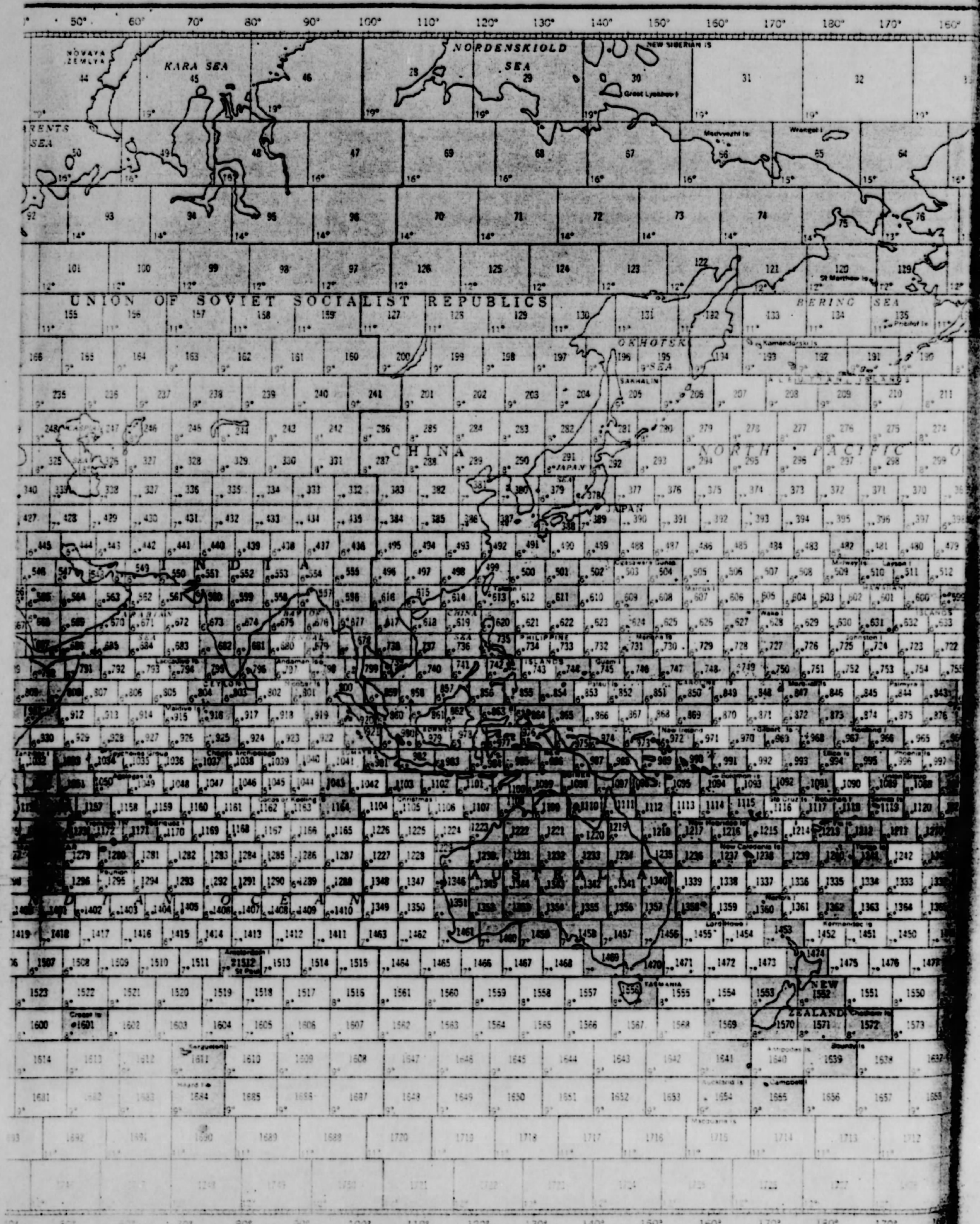
NORTH POLAR AREA



SOUTH POLAR AREA

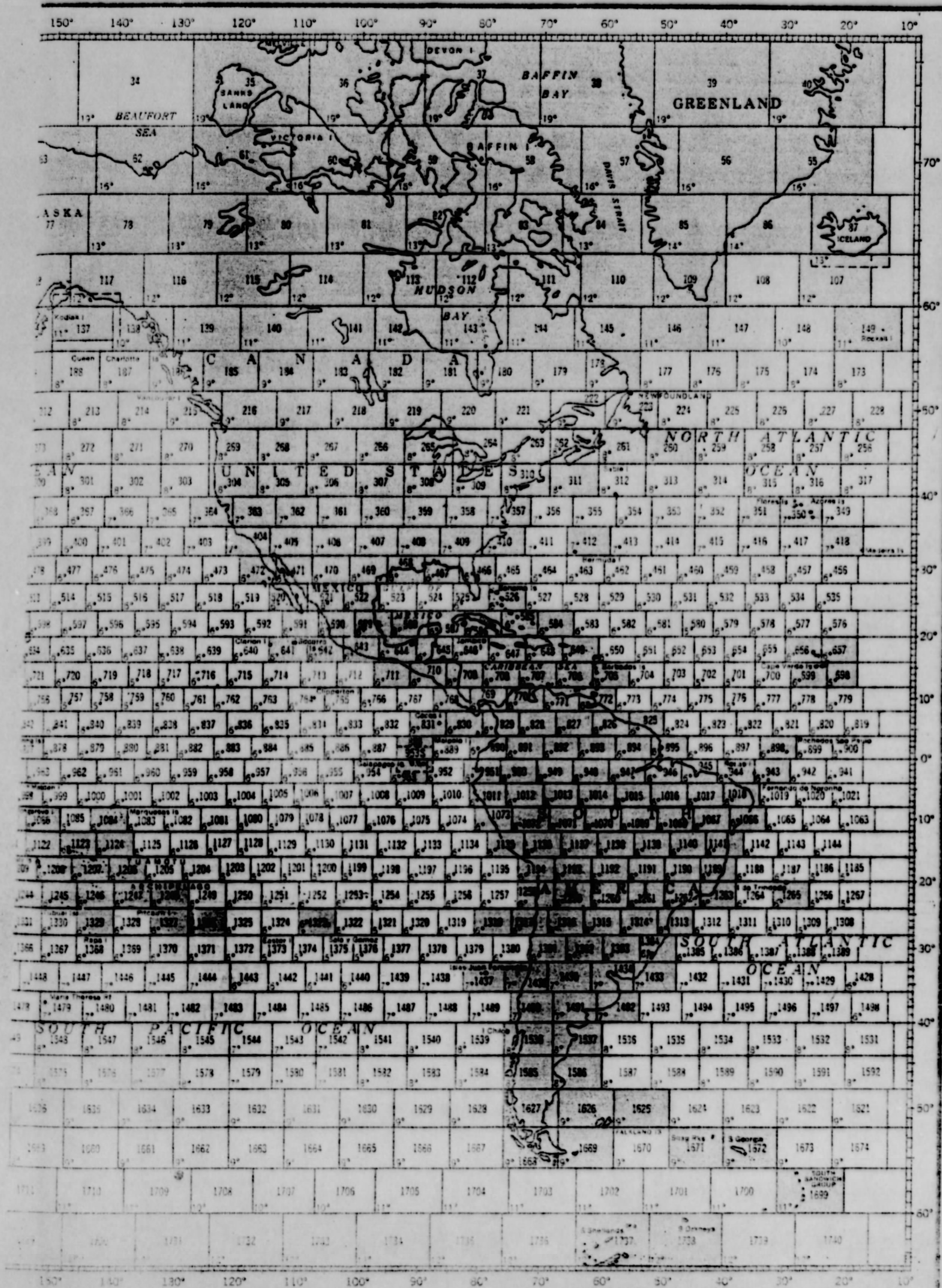


*Indicates that there is not sufficient information available to compile charts in this area at a scale of 1:1,000,000. Requisitions for these charts will be filled with the appropriate Universal Water Chart.



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000



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

Charts published ☐

Charts not published ☐

STAPLE HERE

STAPLE HERE

FROM _____

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300OFFICIAL BUSINESS
PERMIT NO. 1009*To:*

The Director

U.S. Coast and Geodetic Survey

Washington, 25, D.C.

STAPLE HERE

MAKE EXTRA FOLD HERE TO RETURN TO DIRECTOR, USC&GS

U. S. DANGER AREAS ON WORLD AERONAUTICAL CHART 468

NO.	NAME	ACTIVITY	USING AGENCY	ALTITUDE	TIME
W-92	New Orleans	Gunnery, Bombing, Rocket Firing	NAS New Orleans, La.	To 20,000	Unltd.
C-137	New Orleans	Acrobatics	NAS New Orleans, La.	4,000-20,000	0800-1830
D-138	Pearl River	Strafing, Rocket Firing, Glide and Dive Bombing	NAS New Orleans, La.	Unltd.	0800-1830
W-223	Matagorda Island	Aerial Gunnery	8th Air Force, Carswell AFB, Tex.	To 50,000	Days
D-229	Camp Polk	Field Artillery Firing	4th Army, Camp Polk, La.	To 50,000	Unltd.
D-230	Camp Polk	Field Artillery Firing	4th Army, Camp Polk, La.	To 50,000	Unltd.
W-377	Gulf of Mexico	Air-to-Air Gunnery by Jet Aircraft	Tactical Air Command	To 40,000	Days
D-423	Esler Field	Radio Controlled Aerial Target	Louisiana National Guard	To 6,000	0700-1800 6,000-5 Mi Vis. at Alexandria

Altitude given in feet. AR - Airspace Reservation (Prohibited) C - Caution D - Danger W - Warning 2-14-55

No person shall operate an aircraft within an Airspace Reservation or Danger Area unless permission for such operation has been issued by appropriate authority.

Aircraft are not restricted from flying through Caution Areas; however, extreme caution should be exercised by pilots flying through such areas.

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

AERODROME DATA AND LANDING FACILITIES INFORMATION

BARGERSVILLE
903 L H 41
Airport of entry
GCA SYSTEM
278 126 13

903 Elevation in feet
L Minimum lighting
H Hard surfaced runway
41 Length of longest runway
in hundreds of feet

00 Elevation in feet
L Minimum lighting
S Normal sheltered take-off area
62 Length of longest runway
in hundreds of feet

NAS ANACOSTIA
00 L S 62
2870

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

GCA SYSTEM - Ground Control Approach System. Other controlled approach systems by appropriate abbreviation.
278 126 13 2870 - Control tower transmitting frequencies

AIR NAVIGATION LIGHTS

Rotating Light.....★
Rotating Light (With flashing code lights).....★
Rotating Light (With course lights and site number).....12★
Flashing Light.....FI★

Flashing Light (With code).....FI★
Lightship.....
Marine Light.....OccWRG●

F—Fixed Qk FI—Quick Flashing Occ—Occulting Co—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.....1108
(Numerals in italics indicate elevation above sea level of obstruction top.)

Group Obstruction.....

Prominent Transmission Line.....—T—T—

Mooring Mast.....

Isogonic Line.....—4°E—
Values for 1950

Restricted areas are numbered, and are indicated on the charts as follows:

PROHIBITED AREA
(AR-73)

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

DA-105 - RESTRICTED
OR WARNING AREA
(DA-105 OR 1-105)

Danger, Restricted or Warning Area — Invisible hazards to air navigation

CAUTION AREA
(C-34)

Caution Area — Visible hazards to air navigation

Reporting Point (Compulsory).....▲

Reporting Point (Non-compulsory).....△

Ocean Station Vessel (Normal position).....

International Boundary.....
(Closed to passage of aircraft except through air corridor)

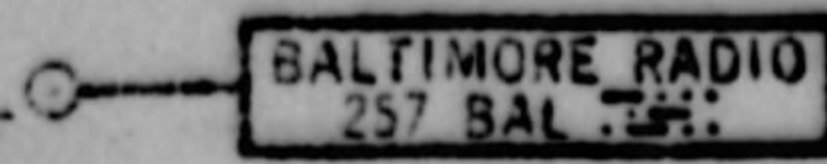
AERONAUTICAL SYMBOLS

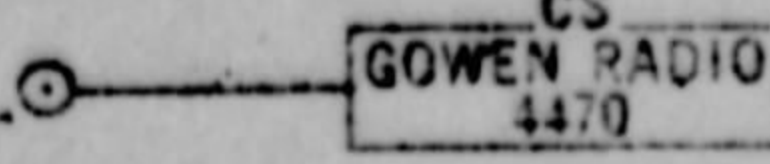
RADIO FACILITIES

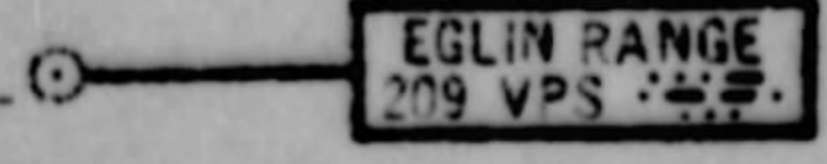
All radio facility data are printed in blue with the exception of certain LF/MF facilities such as tower frequencies, radio ranges and associated airways, which are printed in magenta.

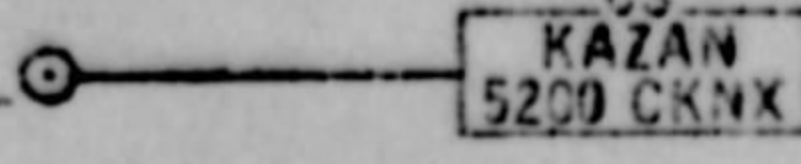
Methods of indicating specific voice and CW calls are shown below

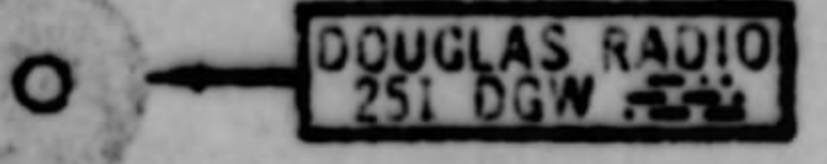
Use of the word "Radio" within the box indicates voice facilities.

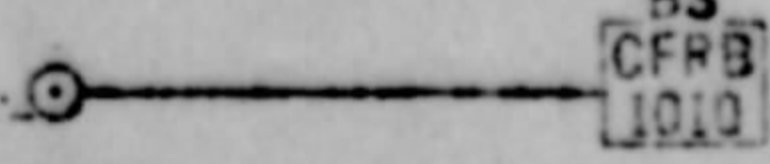
Radio Range (With voice)  BALTIMORE RADIO 257 BAL

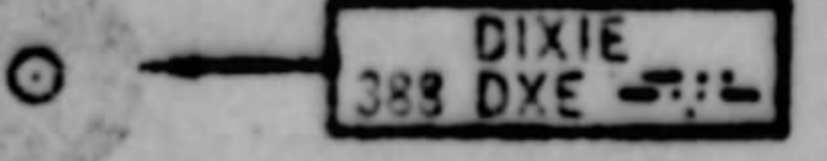
Radio Communication Station (With voice)  CS GOWEN RADIO 4470

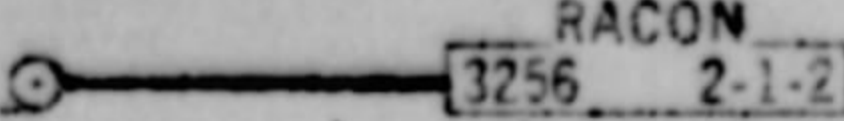
Radio Range (Without voice)  EGLIN RANGE 209 VPS

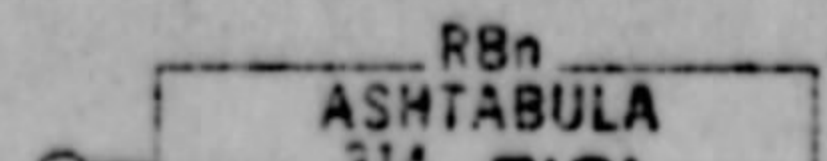
Radio Communication Station (Without voice)  CS KAZAN 5200 CKNX

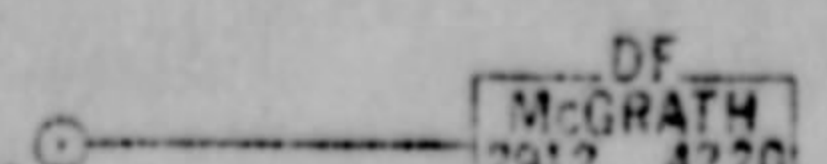
Nondirectional Radiobeacon (With voice)  DOUGLAS RADIO 251 DGW

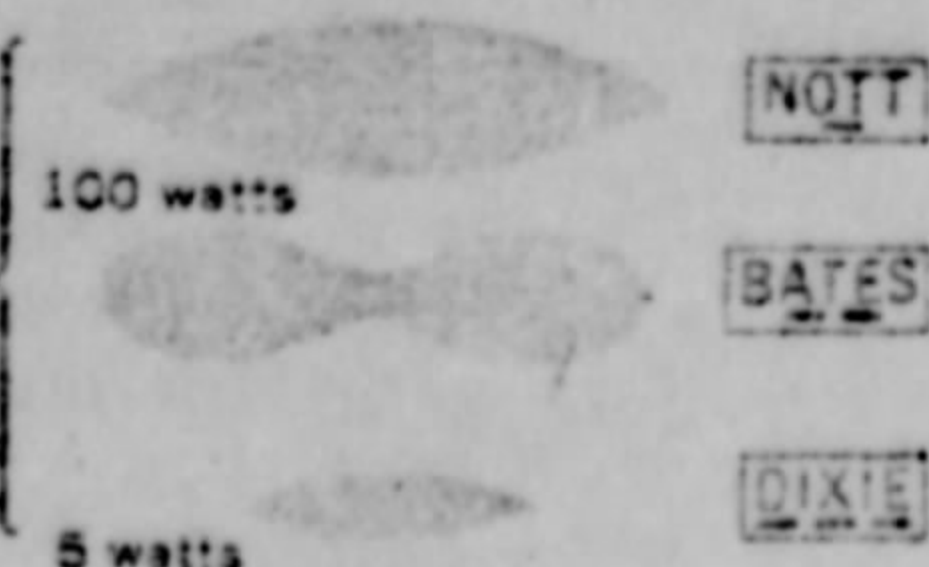
Radio Broadcasting Station  BS CFRB 1010

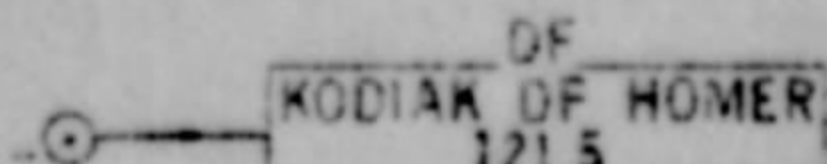
Nondirectional Radiobeacon (Without voice)  DIXIE 388 DXE

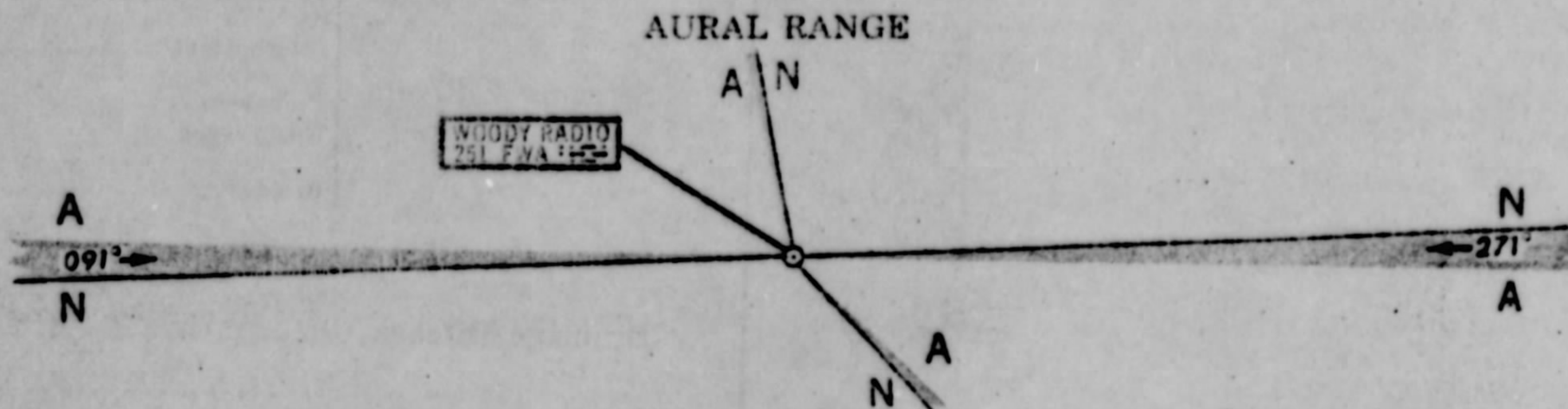
Radar Beacon (Racon)  RACON 3256 2-1-2

Marine Radiobeacon  RBn ASHTABULA 314 0m-10m & 30m-40m

Radio Direction Finder (Without voice)  DF McGRATH 2912 4220

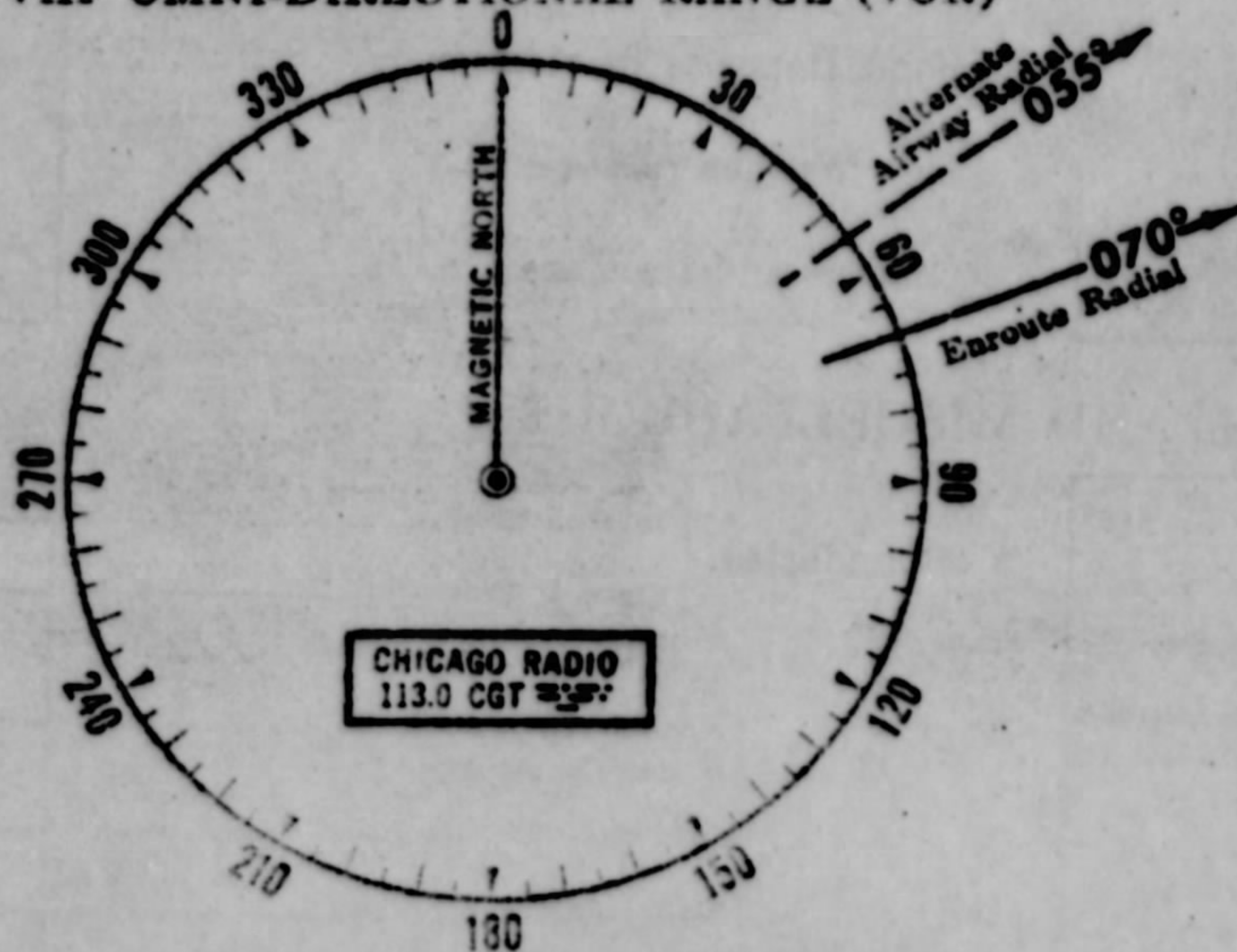
Radio Fan Marker Beacons  100 watts NOTT 5 watts BATES DIXIE

Radio Direction Finder (With voice)  DF KODIAK OF HOMER 121.5



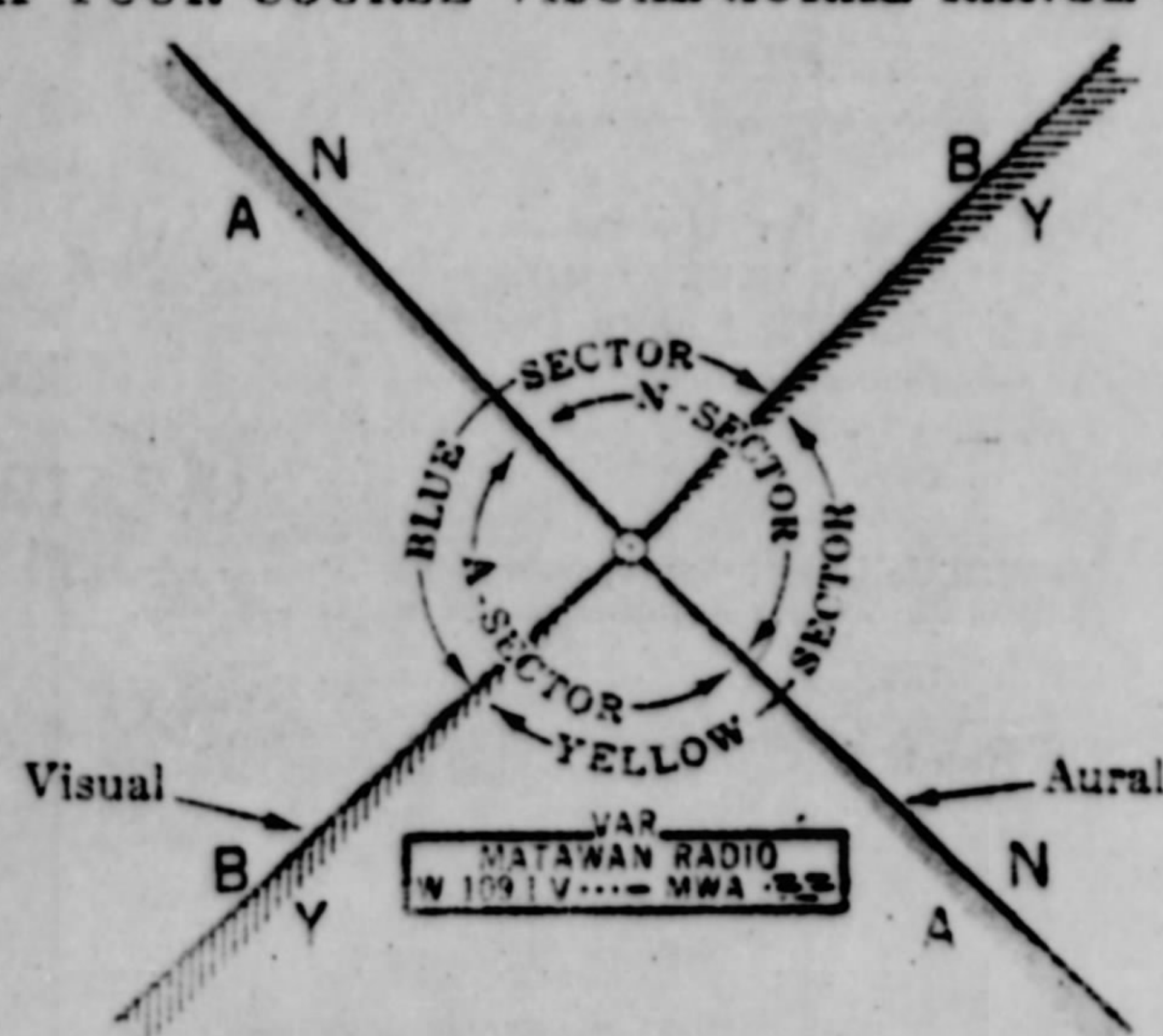
The heavy line indicates the "N" quadrant. The bearings shown are magnetic and the magnetic variation at the position of the ground station is used for computing them.

VHF OMNI-DIRECTIONAL RANGE (VOR)



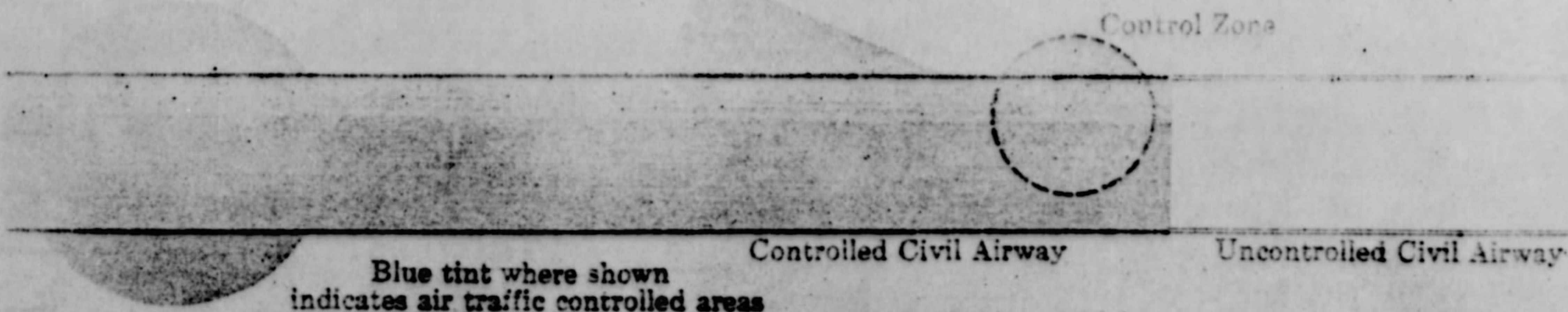
Bearings are magnetic from the station.
Radius of circle is 15 nautical miles.

VHF FOUR COURSE VISUAL-AURAL RANGE (VAR)



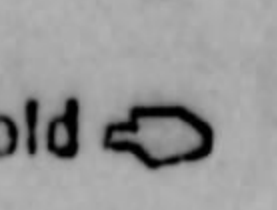
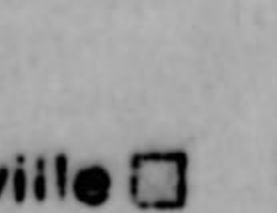
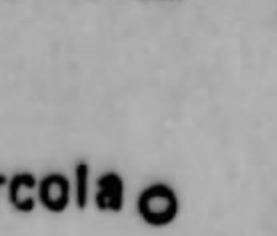
Letter preceding frequency in box indicates channel identification.

AIR TRAFFIC CONTROL

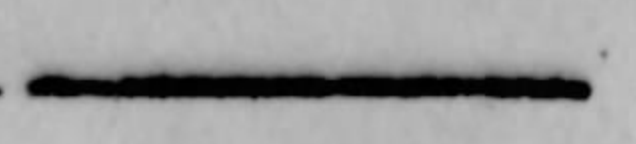
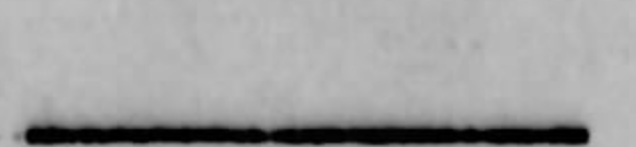
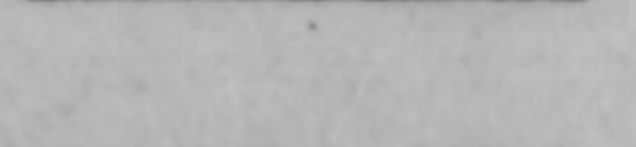
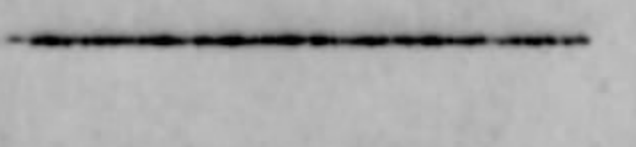
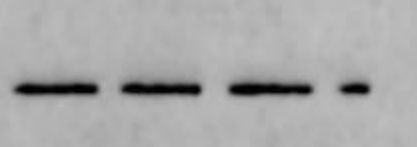
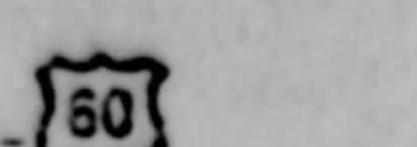


TOPOGRAPHICAL SYMBOLS

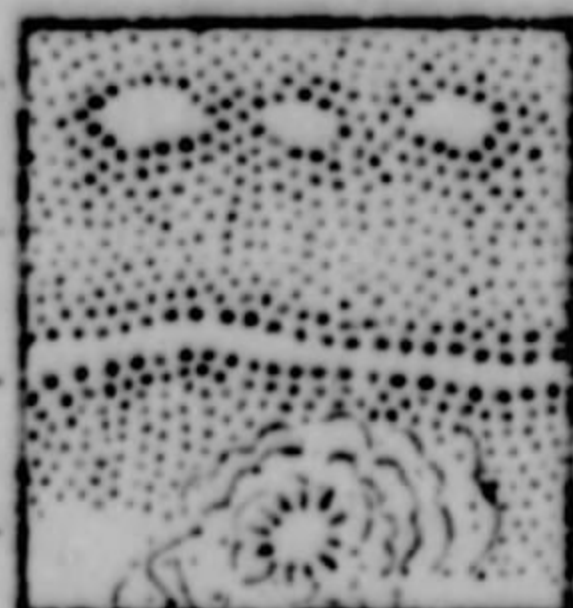
CITIES AND TOWNS

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

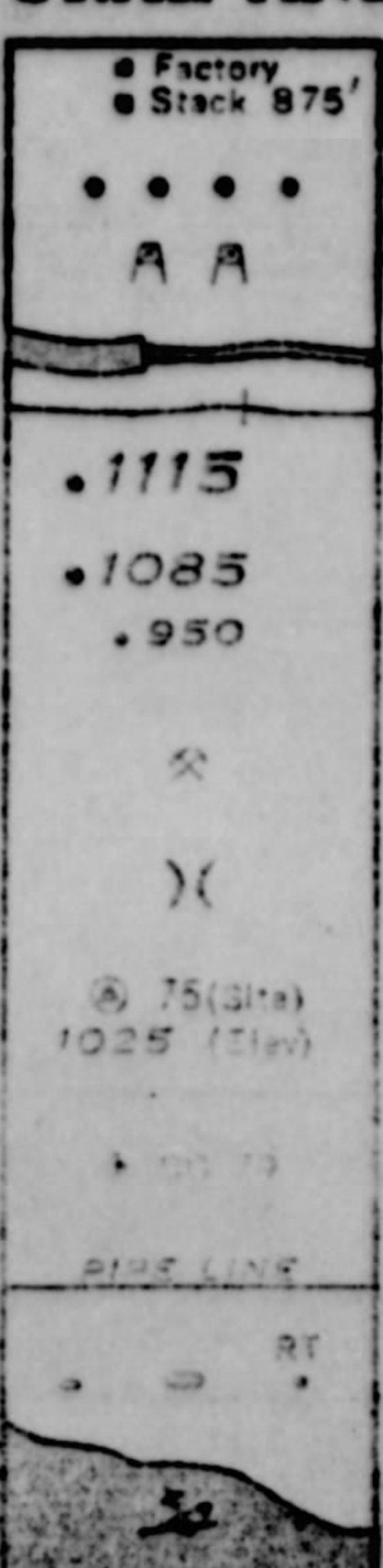
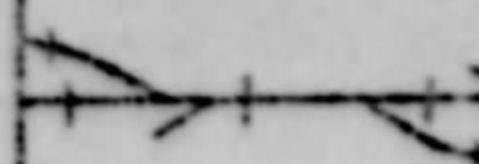
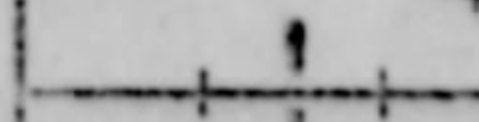
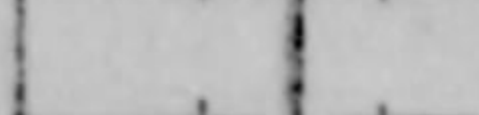
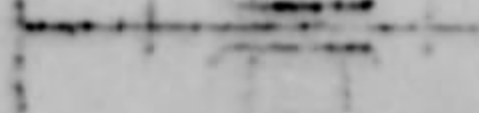
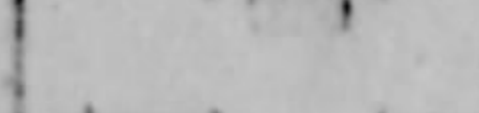
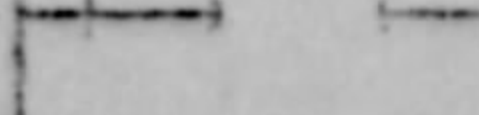
RELIEF FEATURES

Contours { Reliable.....		Sand { Dunes.....	
Approximate.....		Areas.....	
Depression.....		Ridges.....	
Levees or Eskers.....		Lava Flow.....	
Hachures.....			
Bluffs, Cliffs & Escarpments.....			

HYDROGRAPHIC FEATURES

Swamps & Marshes.....		Streams & Rivers { Perennial.....	
Tidal Flats..... (Exposed at low tide)		Intermittent.....	
Danger Line.....		Probable or Unsurveyed.....	
Rocks Awash.....		Braided.....	
Shoals..... (Exposed at low tide)		Intermittent Lakes (blue stipple).....	
Springs.....		Drainage Ditches.....	
Wells & Water Holes.....		Canals { In use.....	
Reefs, Coral & Rocky Ledges..... (Awash at low tide)		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).	• Factory			
(Numerals indicate elevation above sea level of top)	• Stack 875'			
Oil Tanks.....	• • • •			
Oil Fields.....	A A			
Dams.....				
Elevations (In feet)	Highest on chart.....			• 1115
	(Highest on chart is devoid of tint)			
	Highest in a general area.....			• 1085
	Spot.....			• 950
Mines and Quarries.....	⊕			
Mountain Passes.....	) (			
Lookout Stations (Elevation is base of tower)	⊙ 75 (Site) 1025 (Elev)			
Coast Guard Stations.....	• on 70			
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.....			

ELB

FJ

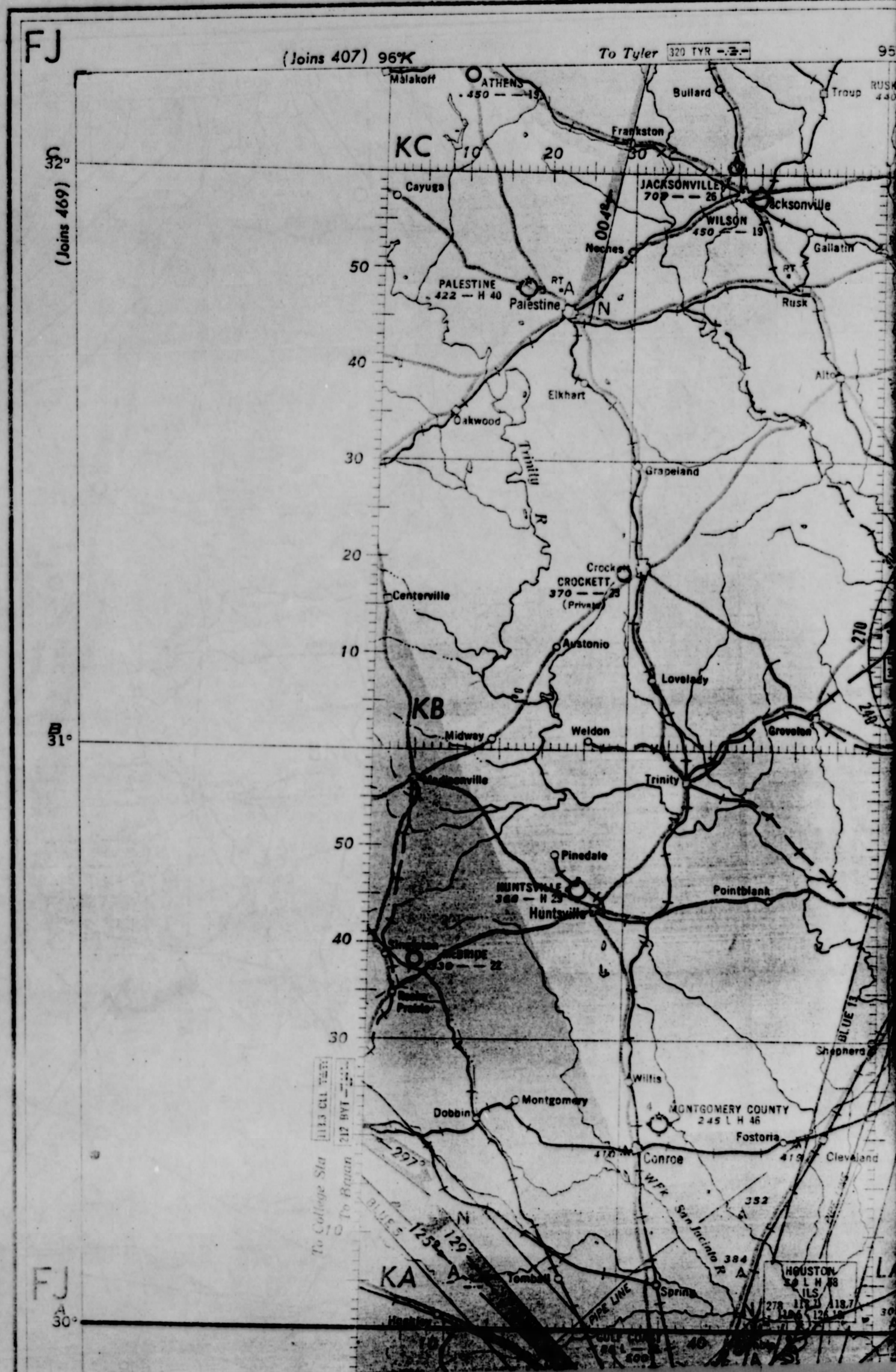
To Tyler 320 TYR -3-

95

32.
(Joins 469)

B
31°

FJ
A
30

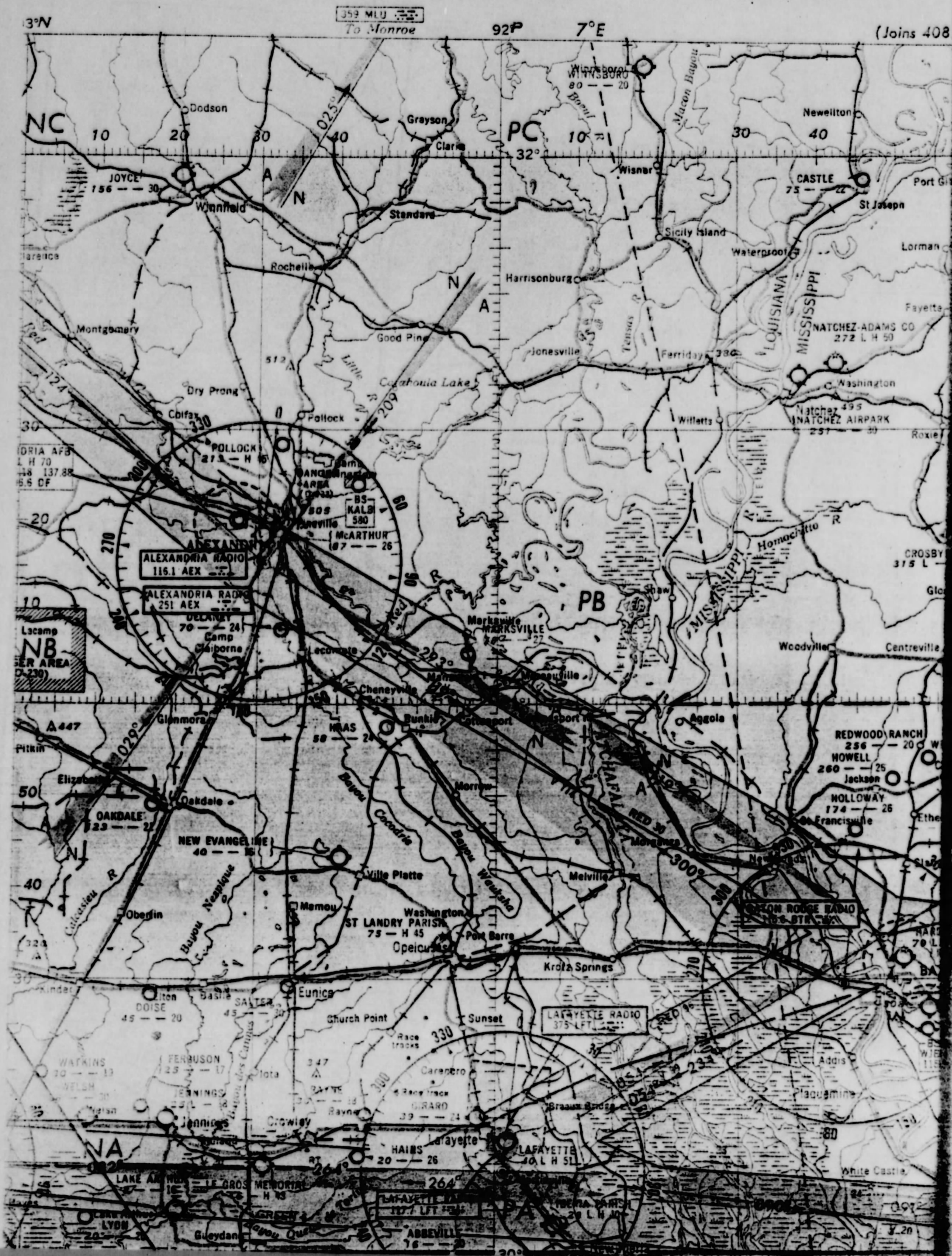


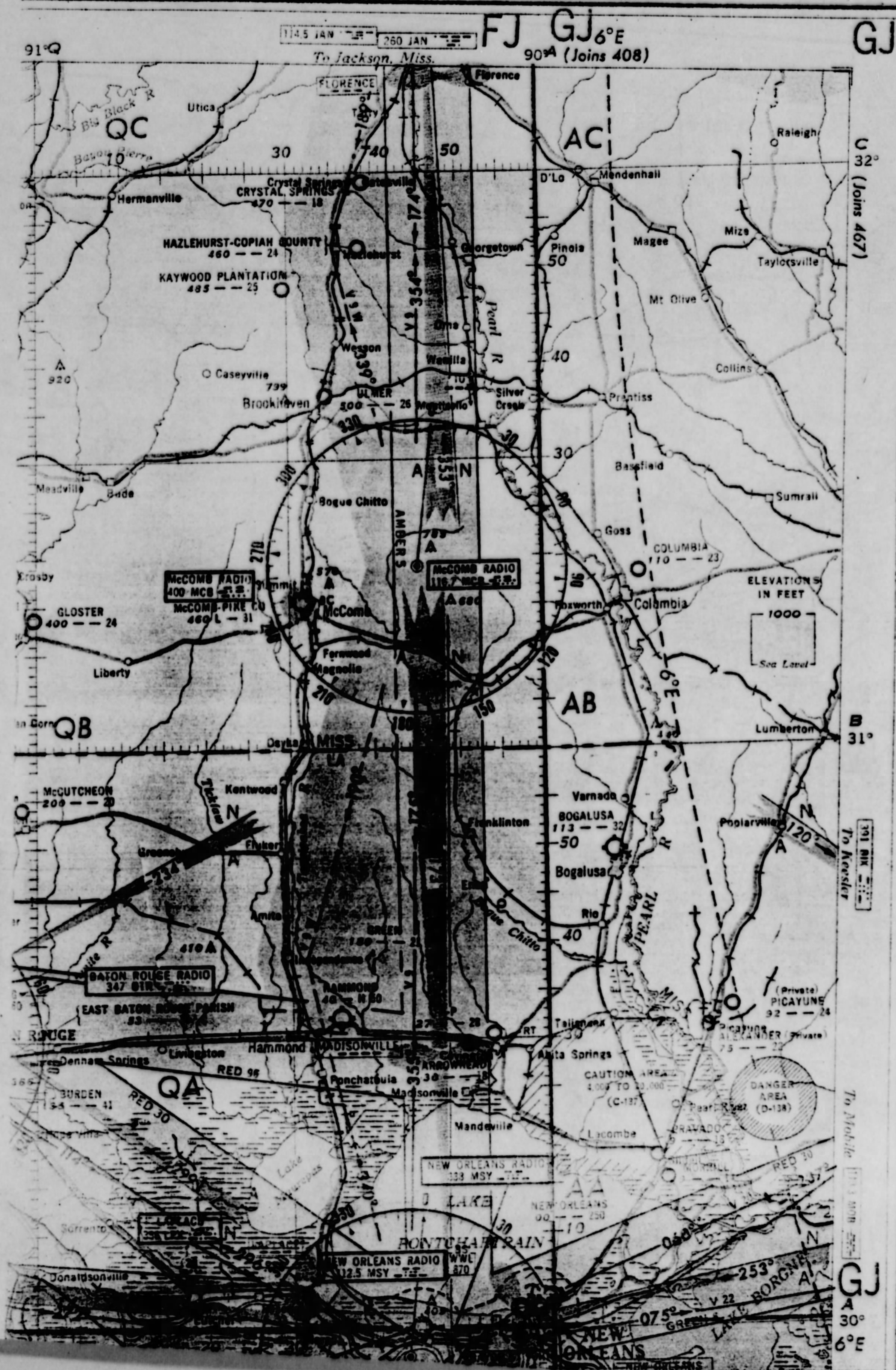
VATIONS IN FEET

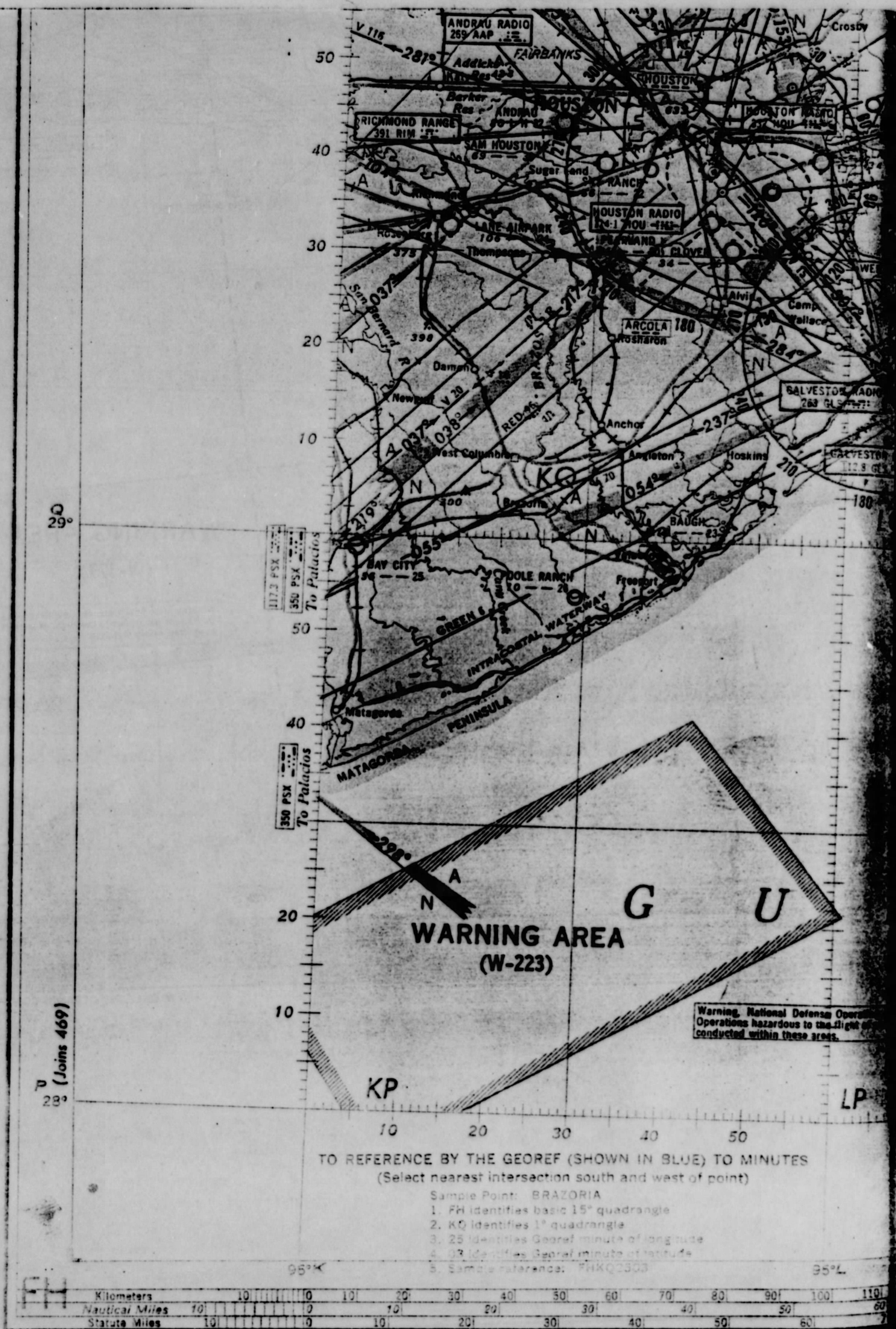
WORLD AERONAUTICAL

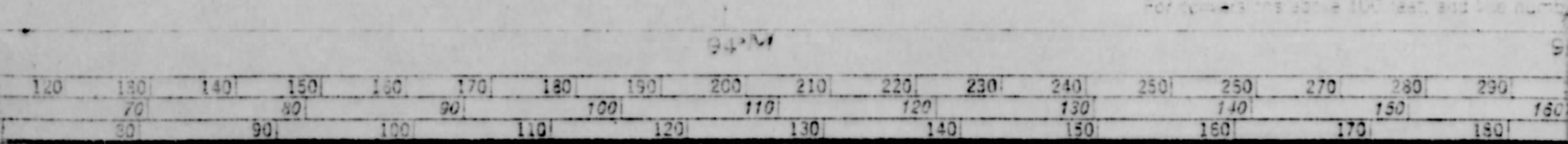
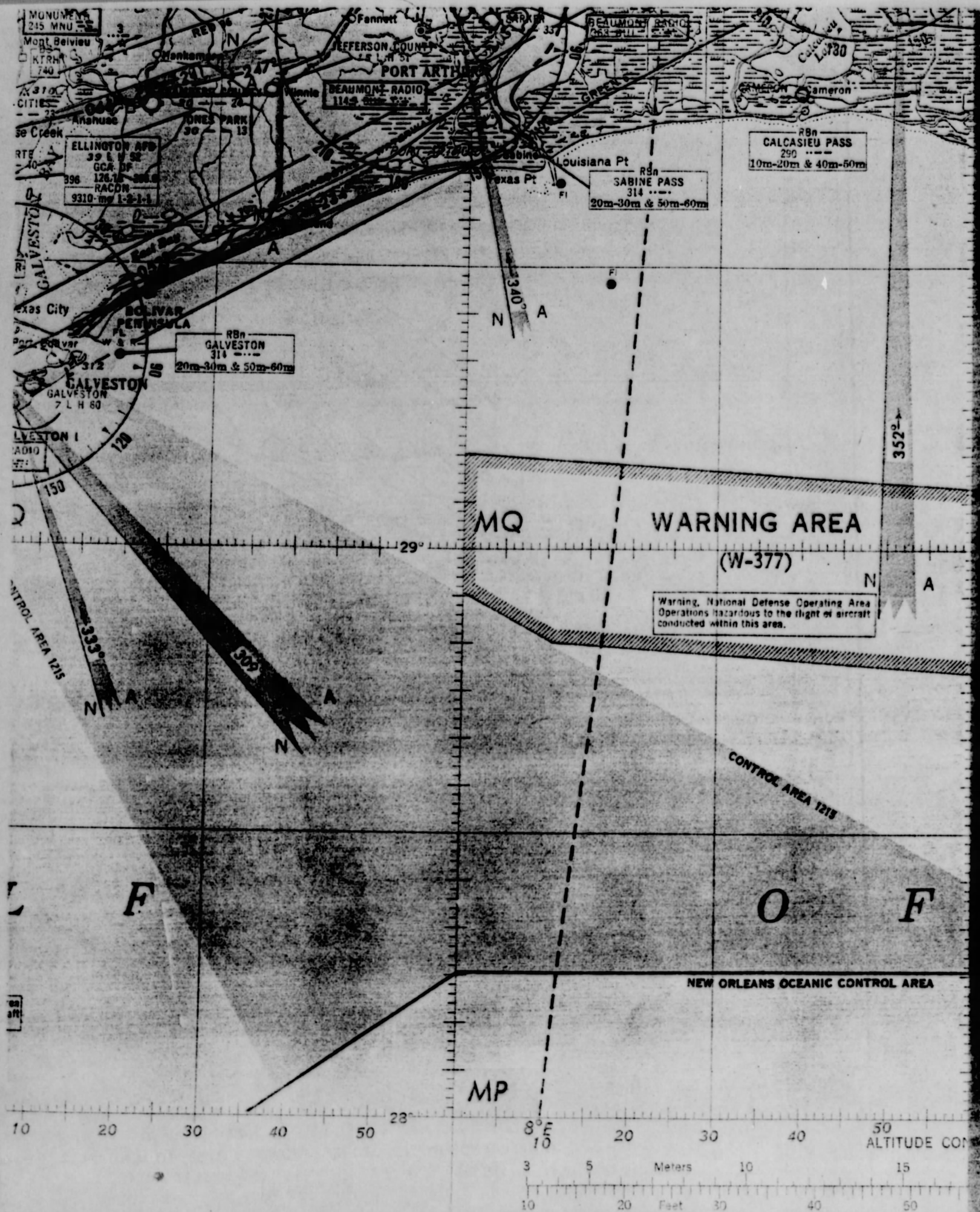


Compiled to ICAO Standards
For ICAO number add 2000 to the chart number.



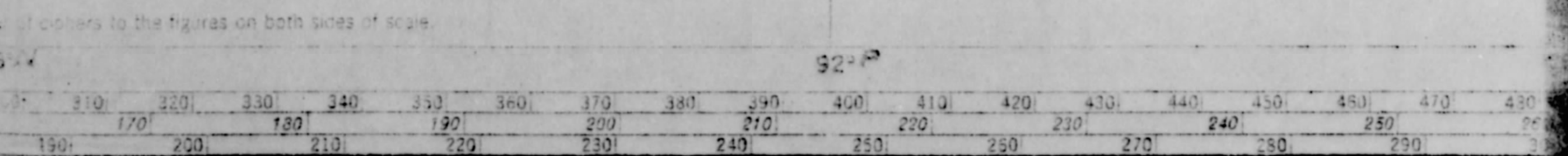
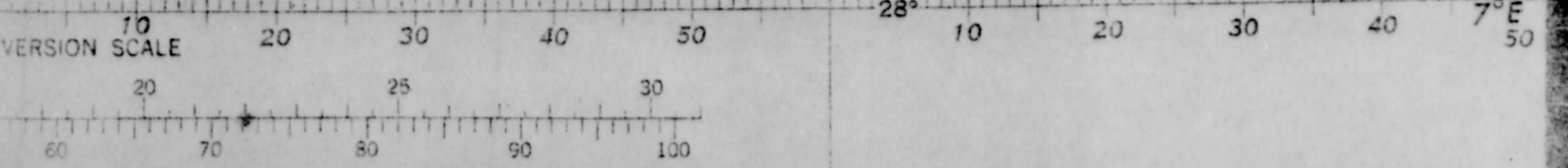
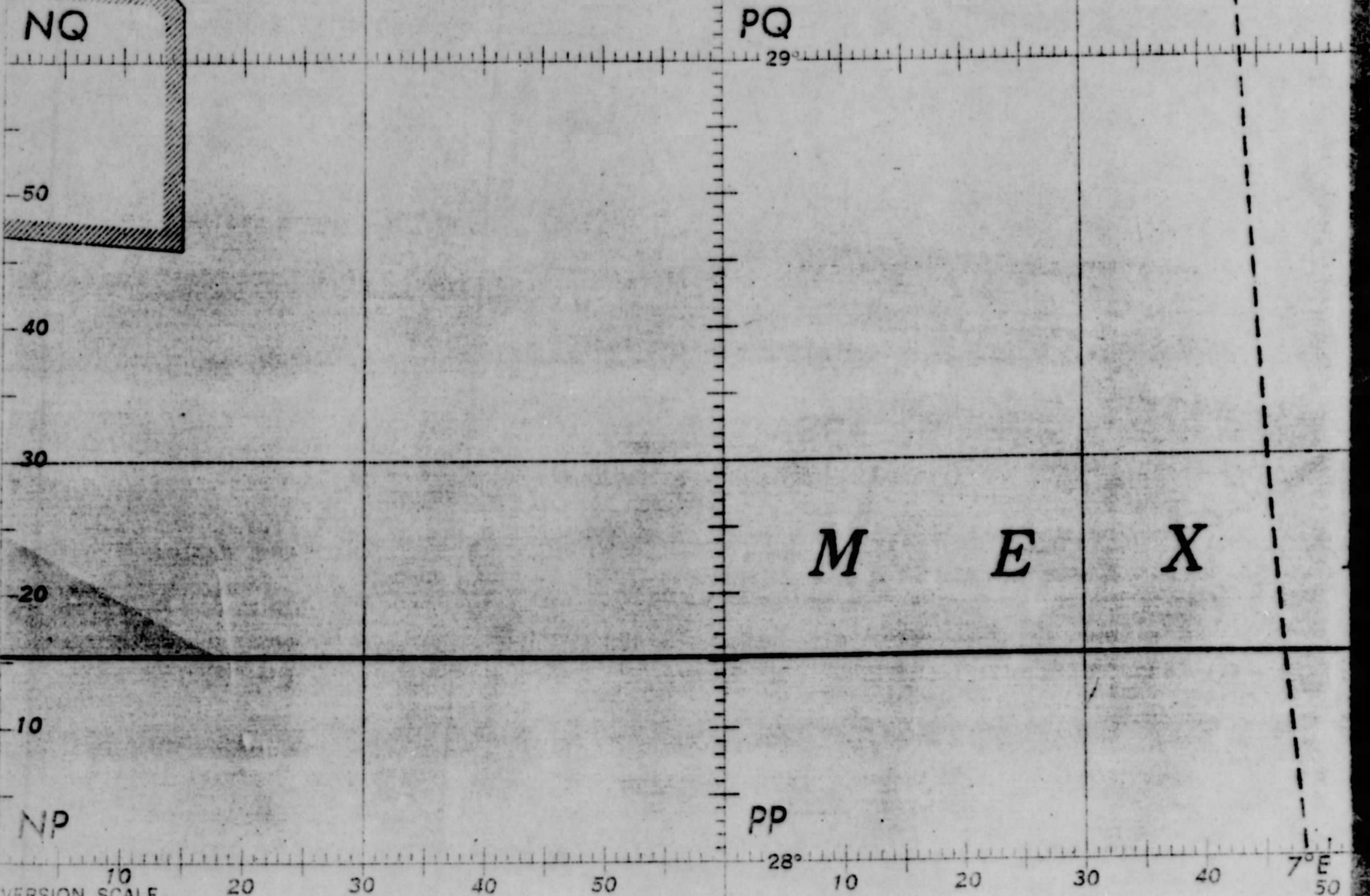
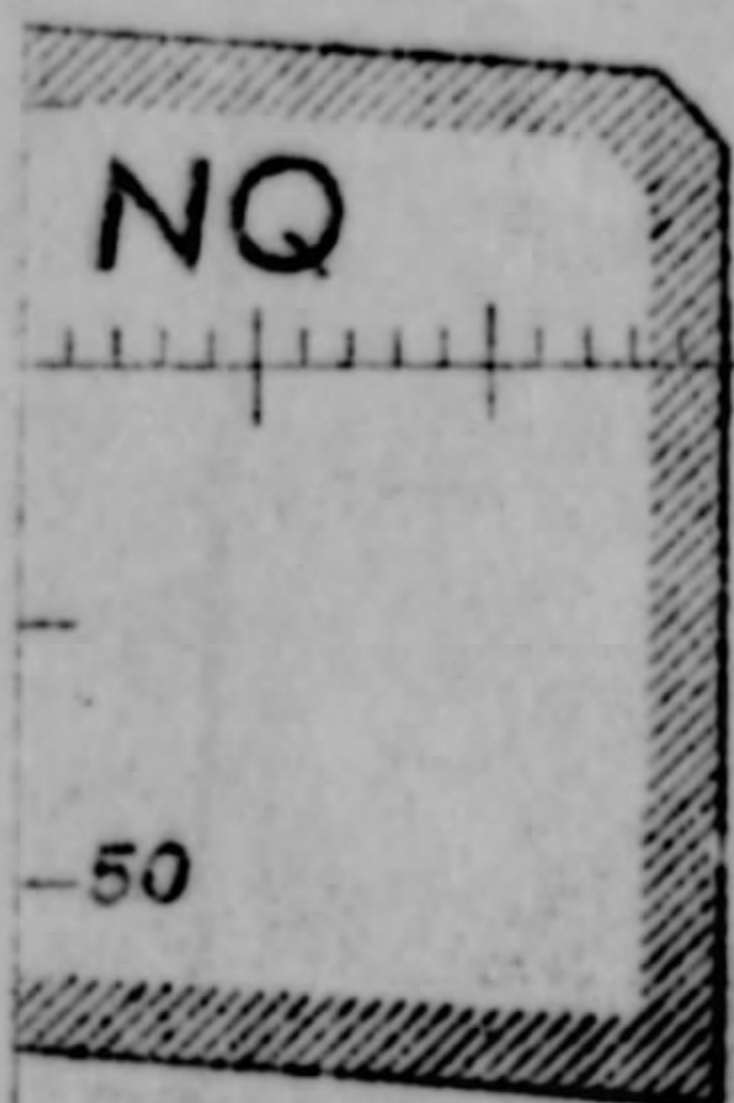
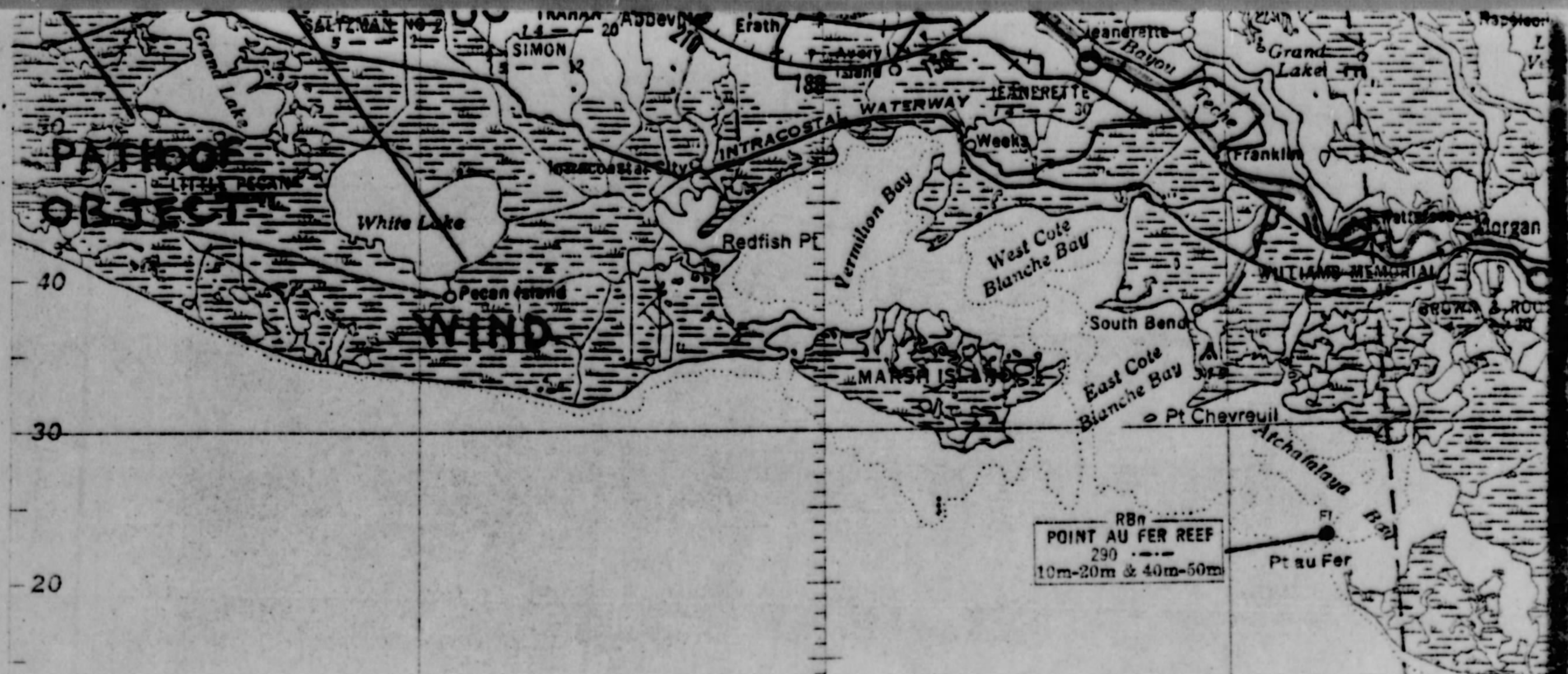






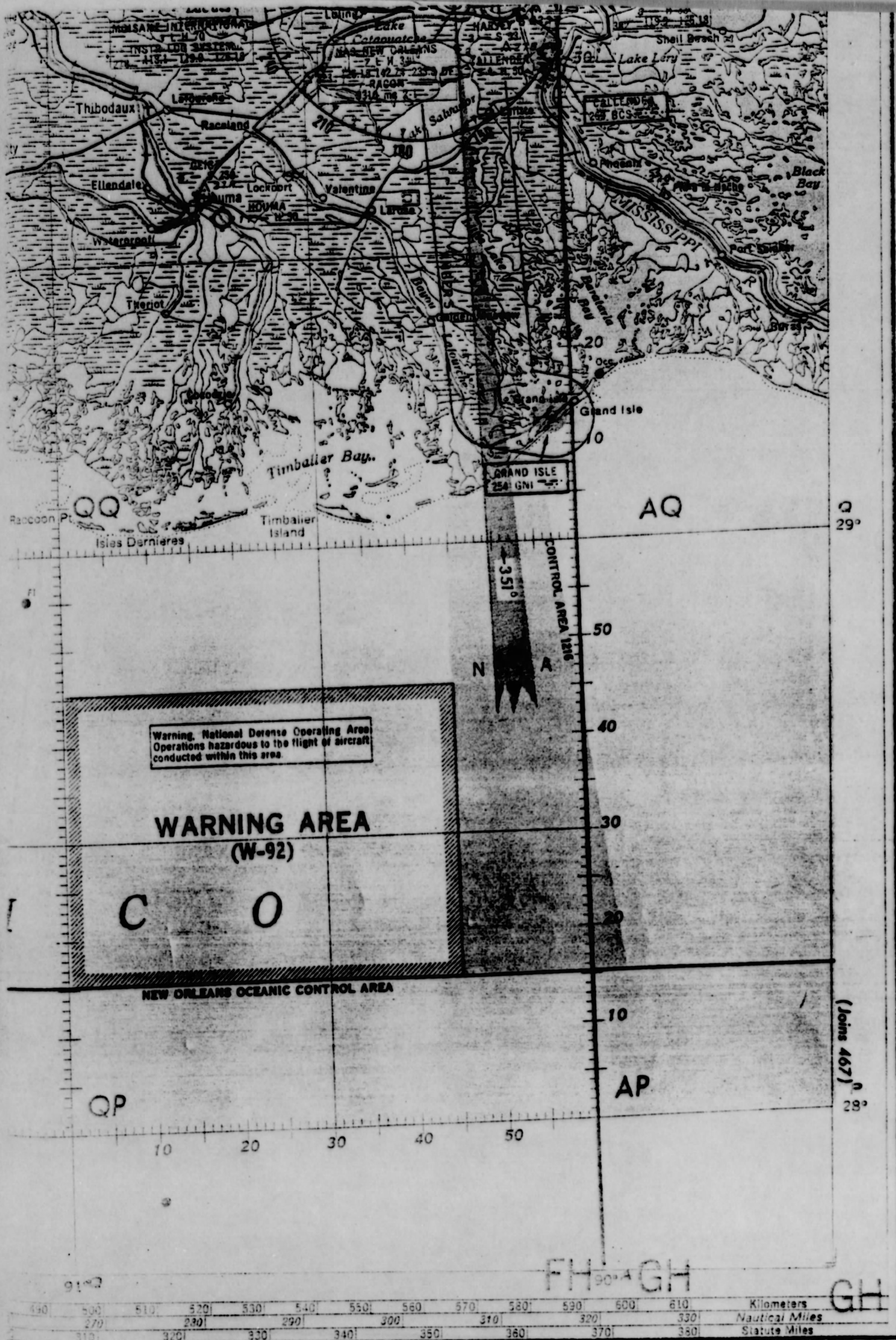
Compiled and printed at Washington, D. C. by the U. S. Coast and Geodetic Survey
 under authority of the Secretary of Commerce
 JANUARY 1945 Revised JULY 1951 BASE NO 2 R 9
BLUE TINT INDICATES AIR TRAFFIC CONTROLLED AREAS
 Victor airway designations are shown along the radials of the omni range stations. Limits of
 these airways are shown by the dashed lines.





Note: It is requested that users of this chart indicate corrections and additions which come to their attention and comply with mailing instructions on reverse side.

SCALE 1:1,000,000
GEOREF 8-52



17TH EDITION Consult appropriate NOTAMS and Radio
Facility Charts for changes in aeronautical information
on this chart after **February 14, 1953**.
Next scheduled edition, September 1953

GALVESTON BAY (468)
UNITED STATES
U.S. AIR FORCE EDITION

*Carmen
Woodard*

AERONAUTICAL CHART SUPPLY

To insure that the airman has the latest information available, U. S. World Aeronautical Charts are revised at six-month periods and the Alaskan World Aeronautical Charts are revised at twelve-month periods. The time of the next scheduled printing is shown on the face of the chart below the date of the aeronautical information.

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 USAF Aeronautical Chart and Information Service are indexed or listed in the current edition of the USAF "Catalog of Aeronautical Charts and Related Publications."

2. Requisitioning.

a. Outside Continental United States:

- (1) USAF activities are to submit requisitions thru the supply channels designated by the Theater Commander for maintenance and distribution of aeronautical charts and maps.
- (2) Theater supply facilities are to submit requisitions for replenishment of stocks of aeronautical charts and maps thru channels to USAF Aeronautical Chart and Information Service, Washington 25, D.C.

b. Within Continental United States: Requisitions from USAF activities within Continental United States are to be submitted to Commanding Officer, Aeronautical Chart Plant, Attn: Distribution Division, 2nd and Arsenal Sts., St. Louis 18, Mo. Except when emanating from an Air Force, Wing, or Command Headquarters, requisitions are to bear the signature or approval by indorsement of the Base or Station Operations Officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a 30-day supply at all times but not to exceed a 60-day supply.

3. Requirements for Special Purpose Maps and Charts.

a. Maps and charts for special purposes, specific missions, and also those maps and charts published by other government agencies, which are not listed in the principal types of aeronautical charts in the current edition of the USAF "Catalog of Aeronautical Charts and Related Publications," should be requisitioned from USAF Aeronautical Chart and Information Service, Washington 25, D.C. Charts will be furnished, if available, when sufficiently identified in requisitions as to name or number, scale, projection and publisher.

b. Information regarding cloth reproduction of certain selected aeronautical charts and maps may be obtained, on request, from: USAF Aeronautical Chart and Information Service, Washington 25, D. C.

4. Obsolete Charts.

Aeronautical charts rendered obsolete-for-air by a new edition, when not practicable to correct for conformity with new edition, are to be salvaged if feasible, or else destroyed. Disposition by salvage or destruction is to be made in accordance with provisions of AFR 205-1. New editions of charts available are announced in the USAF Aeronautical Chart and Information Service Bulletin published semimonthly.

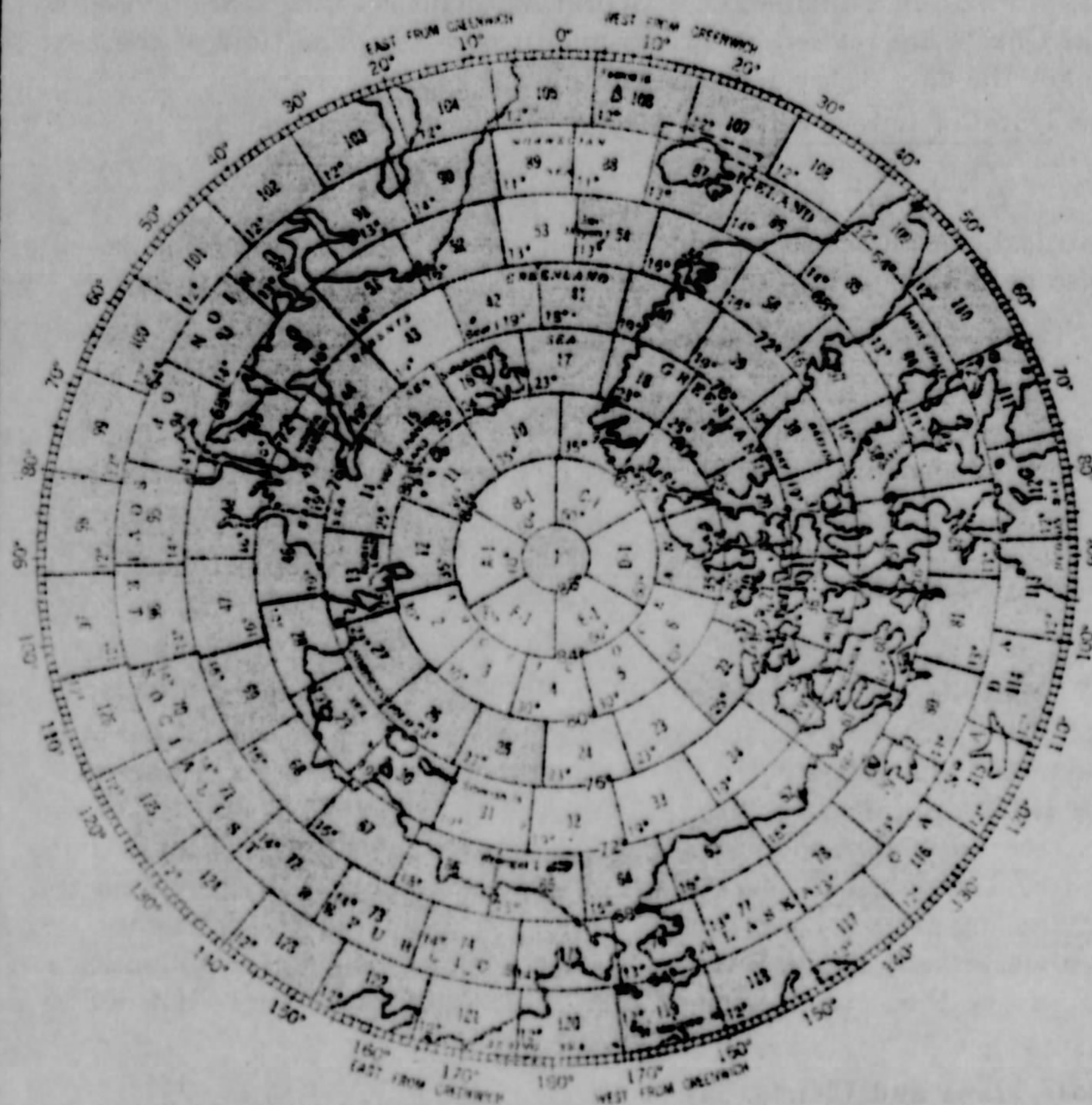
CORRECTION INSTRUCTIONS

1. The Coast and Geodetic Survey is making every effort to furnish the user with accurate charts. The user will materially assist in this effort by marking corrections of aeronautical information, drainage, relief and cultural features (roads, canals, power lines, etc.) on the face of the chart, on an overlay of the area, or under "Remarks" below. In reporting elevation corrections, state method used by observer in making the determination.

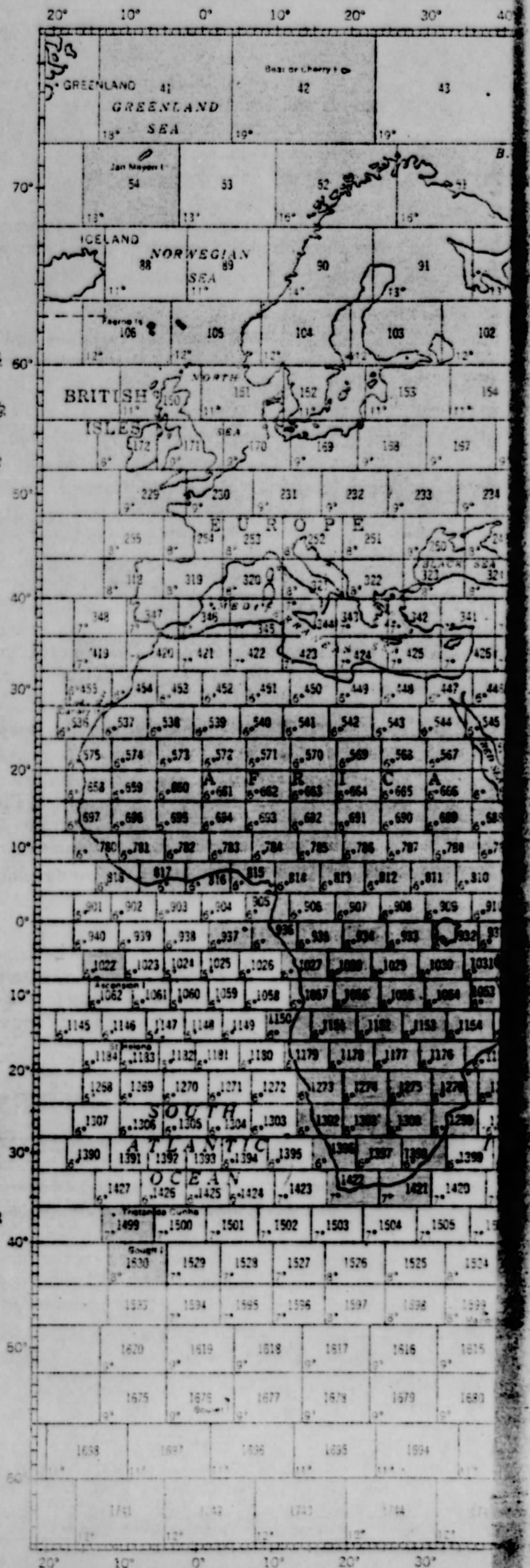
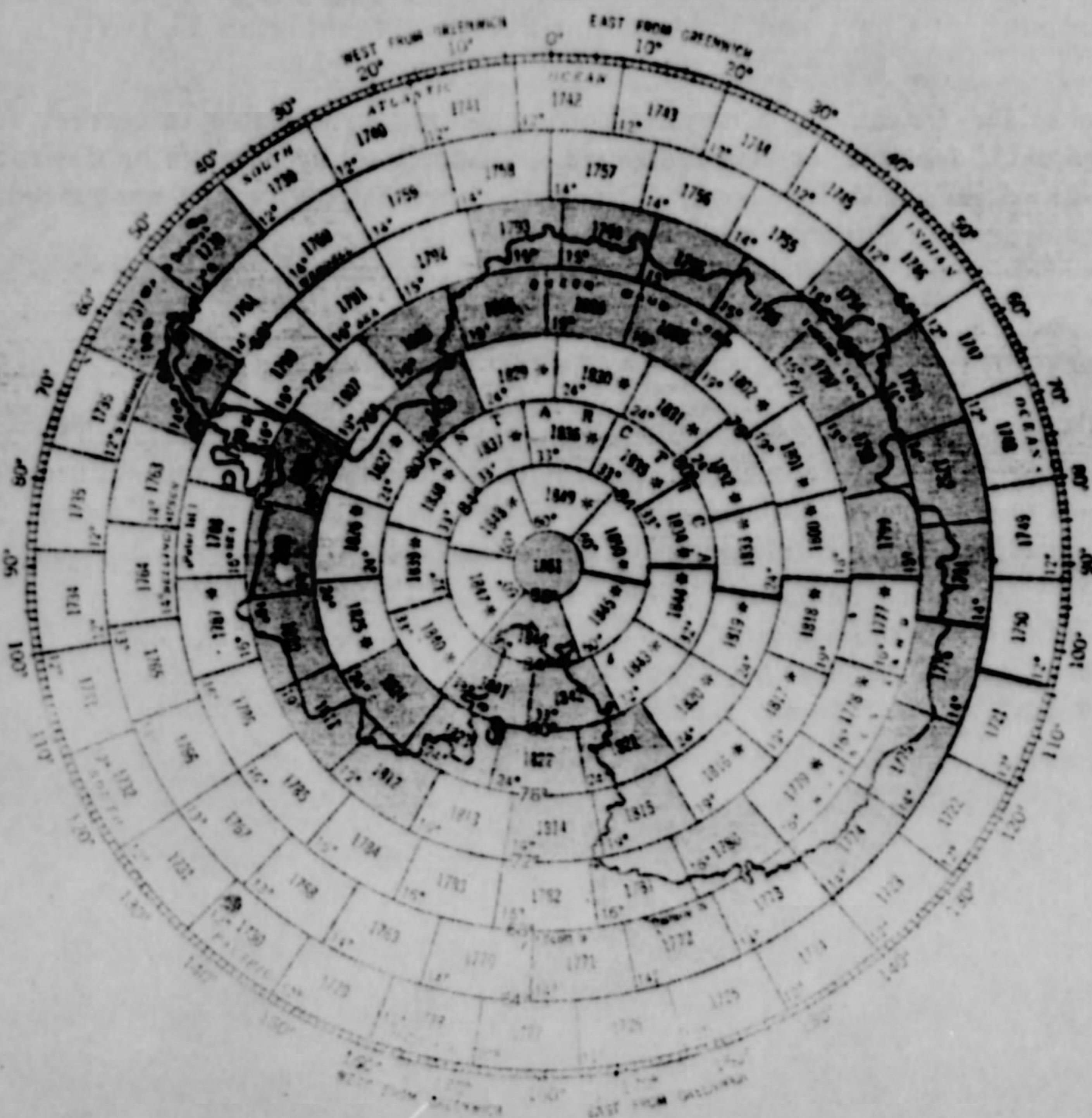
- a. Mark correction on face of chart or under "Remarks" below.
- b. Fold chart along regular fold lines, but with back out.
- c. Make an extra fold along dotted line and staple at points so marked.
- d. Fill in the return address and drop the chart in any U.S. mail box. Postage is not required.

Remarks:

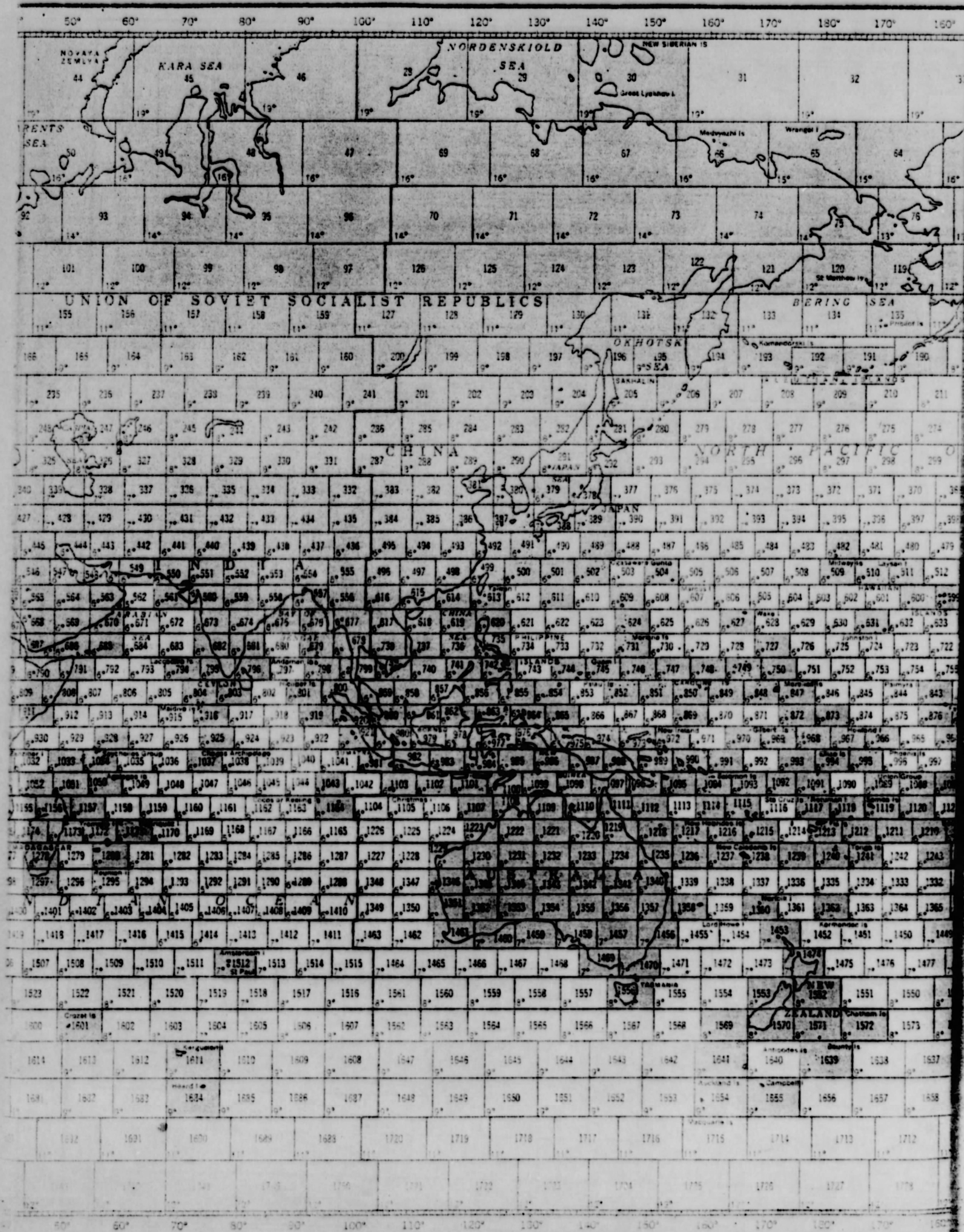
NORTH POLAR AREA



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.



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000

STAPLE HERE

STAPLE HERE

FROM _____

PENALTY FOR PRIVATE USE TO AVOID
 PAYMENT OF POSTAGE, \$300

OFFICIAL BUSINESS
 PERMIT NO. 1009

To:
 The Director
 U.S. Coast and Geodetic Survey
 Washington, 25, D.C.

STAPLE HERE

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MAKE EXTRA FOLD HERE TO RETURN TO DIRECTOR, USCGS

U. S. DANGER AREAS ON WORLD AERONAUTICAL CHART 468

NO.	NAME	ACTIVITY	USING AGENCY	ALTITUDE	TIME
W-92	New Orleans	Gunnery, Bombing, Rocket Firing	NAS New Orleans, La.	To 20,000	Unltd.
C-137	New Orleans	Acrobatics	NAS New Orleans, La.	4,000-20,000	0800-1630
D-138	Pearl River	Strafing, Rocket Firing, Glide and Dive Bombing	NAS New Orleans, La.	Unltd.	0800-1630
W-223	Matagorda Island	Aerial Gunnery	8th Air Force, Carswell AFB, Tex.	To 50,000	Days
D-229	Camp Polk	Field Artillery Firing	4th Army, Camp Polk, La.	To 50,000	Unltd.
D-230	Camp Polk	Field Artillery Firing	4th Army, Camp Polk, La.	To 50,000	Unltd.
W-377	Gulf of Mexico	Air-to-Air Gunnery by Jet Aircraft	Tactical Air Command	To 40,000	Days
D-423	Esler Field	Radio Controlled Aerial Target	Louisiana National Guard	To 5,000	0700-1800 6,000-5 MI. Vis. at Alexandria

Altitude given in feet. AR - Airspace Reservation (Prohibited) C - Caution D - Danger W - Warning 2-14-53
 No person shall operate an aircraft within an Airspace Reservation or Danger Area unless permission for such operation has been issued by appropriate authority.
 Aircraft are not restricted from flying through Caution Areas; however, extreme caution should be exercised by pilots flying through such areas.

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

AERODROME DATA AND LANDING FACILITIES INFORMATION

LAND		WATER	
	908 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 SYSTEM - Ground Control Approach System. Other controlled approach systems by appropriate abbreviation.
273 126.13 2370 - Control tower transmitting frequencies

AIR NAVIGATION LIGHTS

Rotating Light.....★	Flashing Light (With code).....FI ★
Rotating Light (With flashing code lights).....★	Lightship.....
Rotating Light (With course lights and site number).....12 ★	Marine Light.....Occ W R G ●
Flashing Light.....FI ★	

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.....1108 (Numerals in italics indicate elevation above sea level of obstruction top.)	Reporting Point (Compulsory).....▲
Group Obstruction.....	Reporting Point (Non-compulsory).....▲
Prominent Transmission Line.....	Ocean Station Vessel (Normal position).....
Mooring Mast.....	International Boundary..... (Closed to passage of aircraft except through air corridor)
Isogonic Line.....—4°E— Values for 1950	

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
	Danger, Restricted or Warning Area -- Visible hazards to air navigation
	Caution Area -- Visible hazards to air navigation

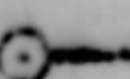
AERONAUTICAL SYMBOLS

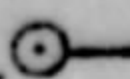
RADIO FACILITIES

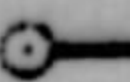
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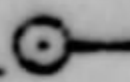
Methods of indicating specific voice and CW calls are shown below

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

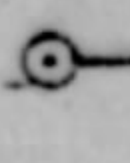
Radio Range (With voice)  **BALTIMORE RADIO**
257 BAL

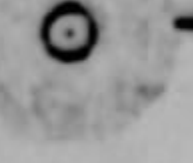
Radio Communication Station (With voice)  **GOWEN RADIO**
4470

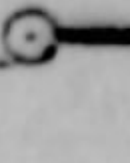
Radio Range (Without voice)  **EGLIN RANGE**
209 VPS

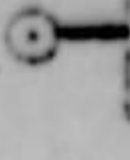
Radio Communication Station (Without voice)  **KAZAN**
5200 CKNX

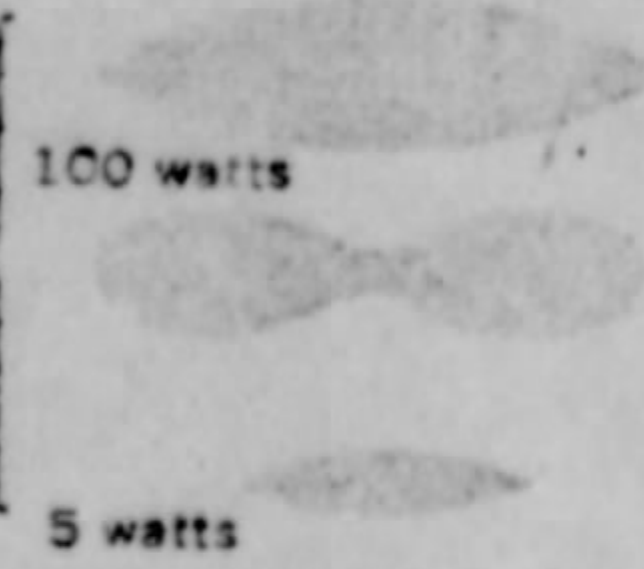
Nondirectional Radiobeacon (With voice)  **DOUGLAS RADIO**
251 DGW

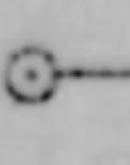
Radio Broadcasting Station  **BS CFRB**
1010

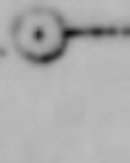
Nondirectional Radiobeacon (Without voice)  **DIXIE**
388 DYE

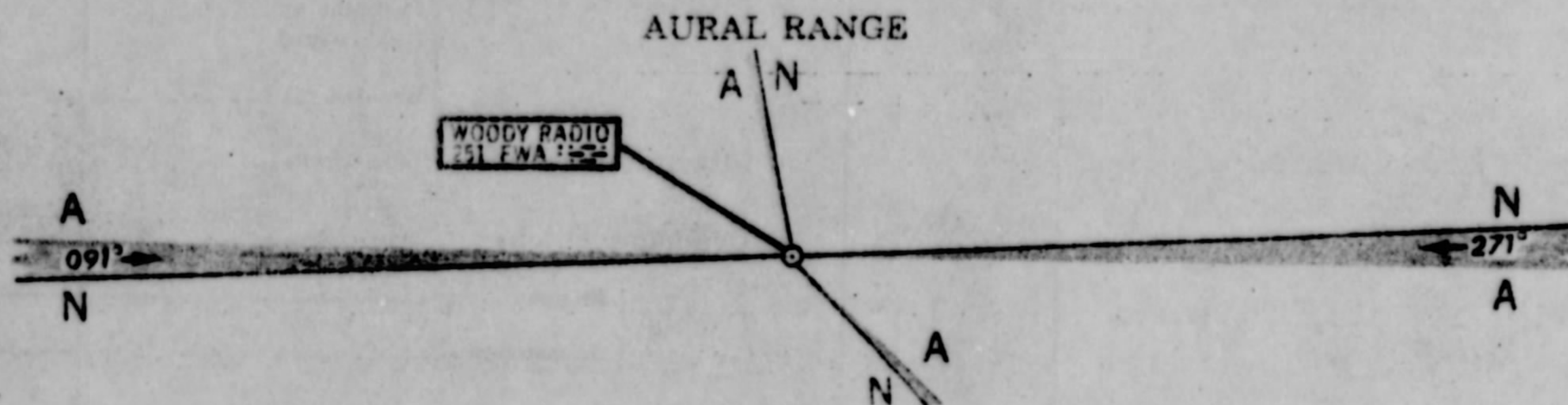
Radar Beacon (Racon)  **RACON**
3256 2-1-2

Marine Radiobeacon  **ASHTABULA**
314 0m-10m & 30m-40m

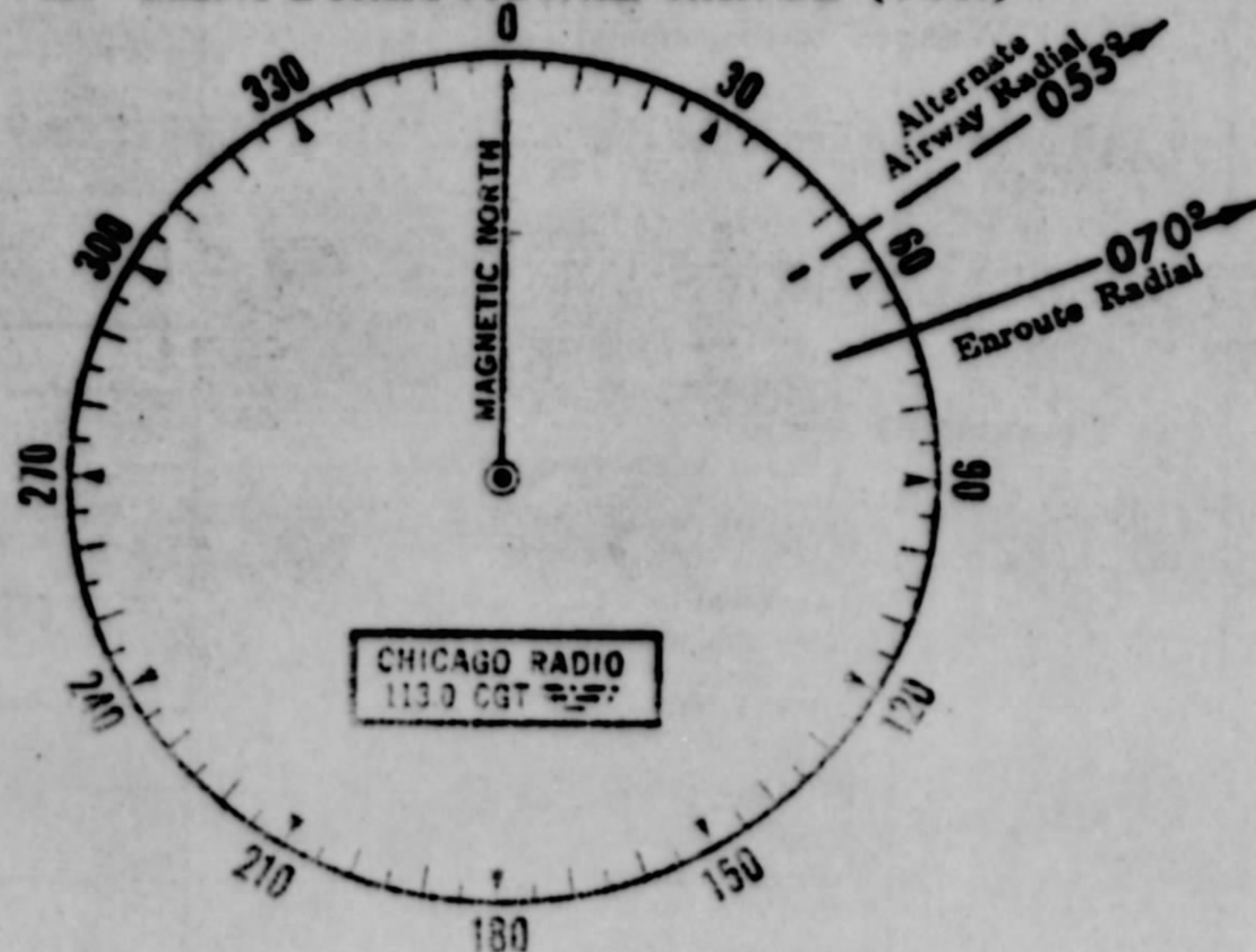
Radio Fan Marker Beacons  **NOTT**
100 watts
BATES
5 watts
DIXIE

Radio Direction Finder (Without voice)  **McGRATH**
2912 4220

Radio Direction Finder (With voice)  **KODIAK DF HOMER**
121.5

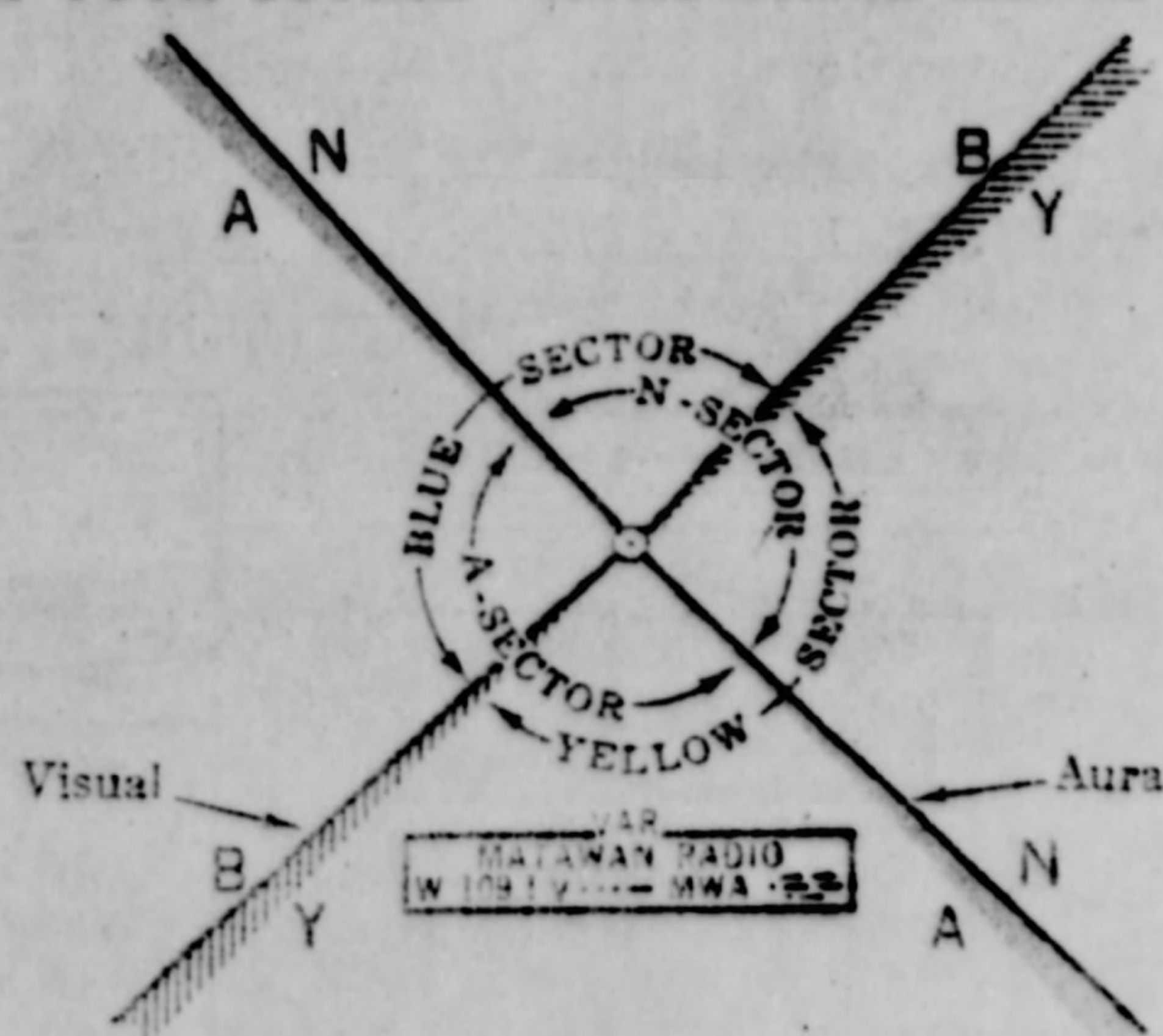


VHF OMNI-DIRECTIONAL RANGE (VOR)



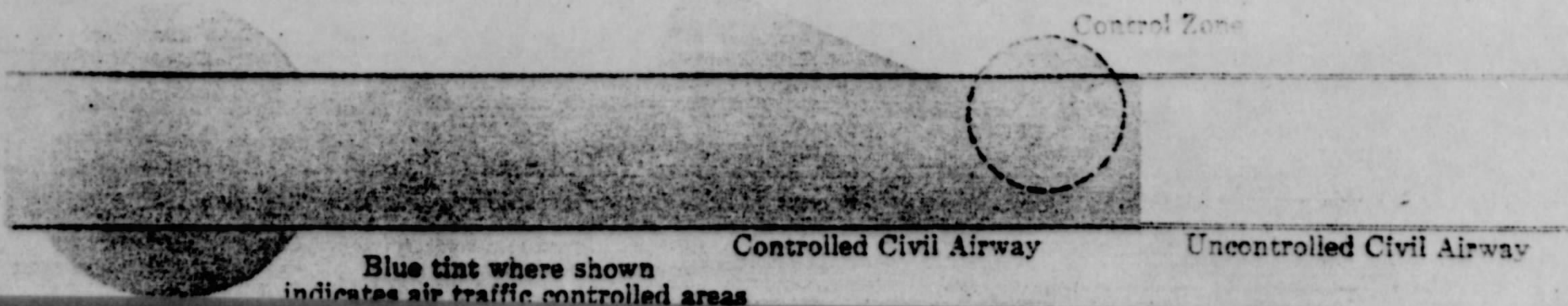
Bearings are magnetic from the station.
Radius of circle is 15 nautical miles.

VHF FOUR COURSE VISUAL-AURAL RANGE (VAR)



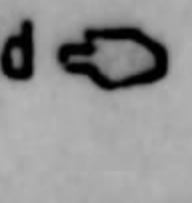
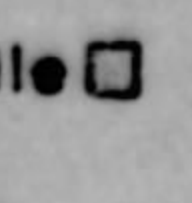
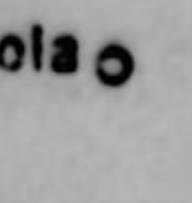
Letter preceding frequency in box indicates channel identification.

AIR TRAFFIC CONTROL

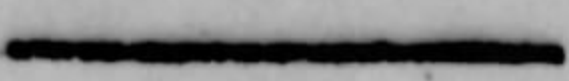
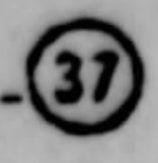


TOPOGRAPHICAL SYMBOLS

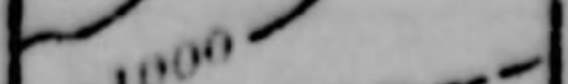
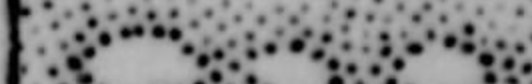
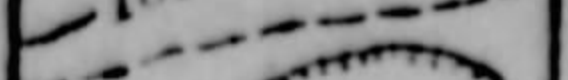
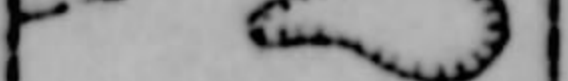
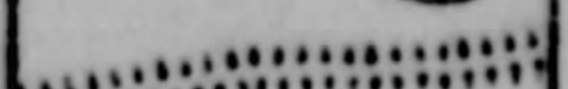
CITIES AND TOWNS

Metropolitan Areas	NEW YORK	
Large Cities	RICHMOND	
Cities	ARLINGTON	
Small Cities	Freehold	
Large Towns	Corville	
Towns & Villages	Arcola	

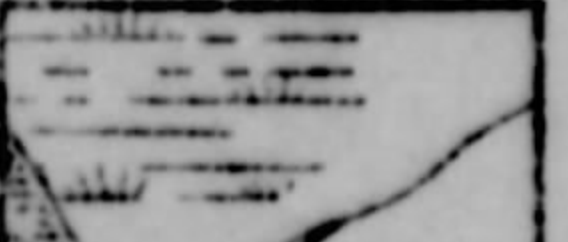
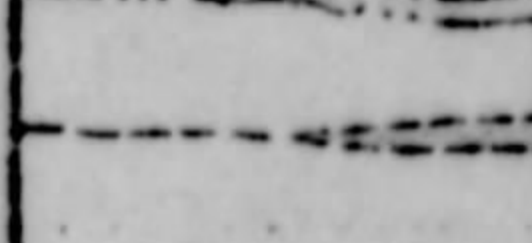
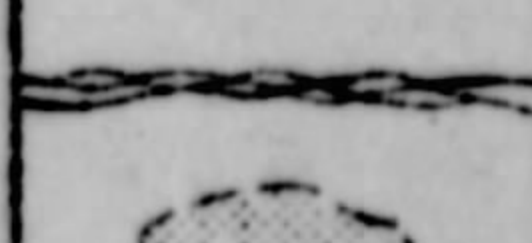
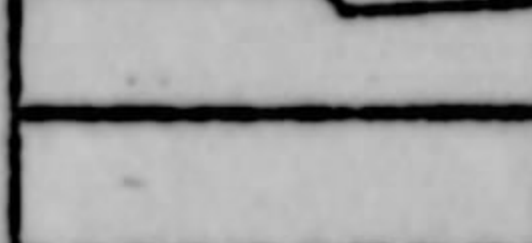
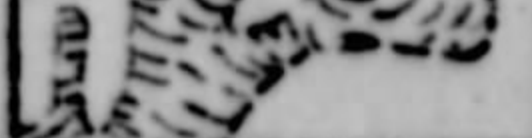
HIGHWAYS AND ROADS

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

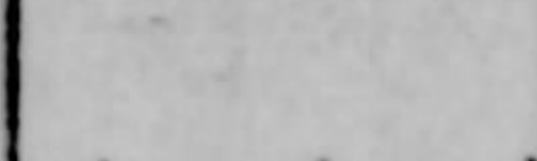
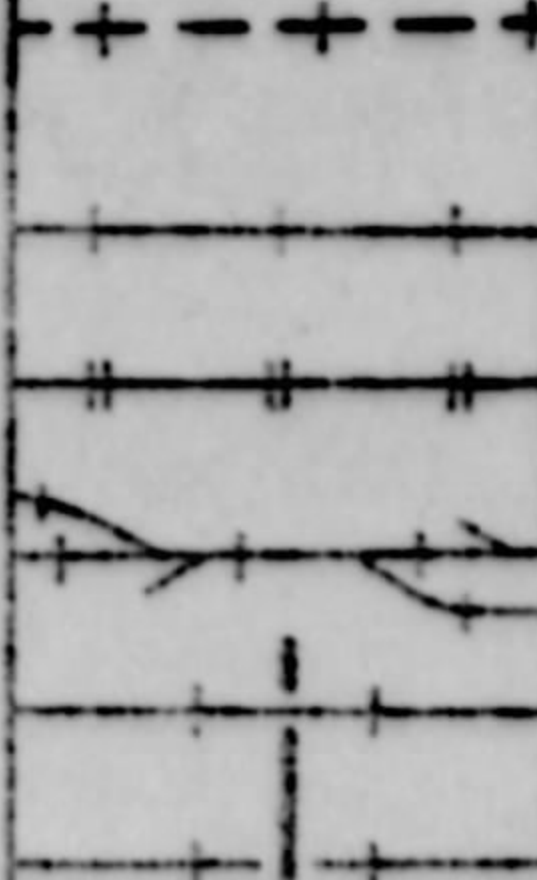
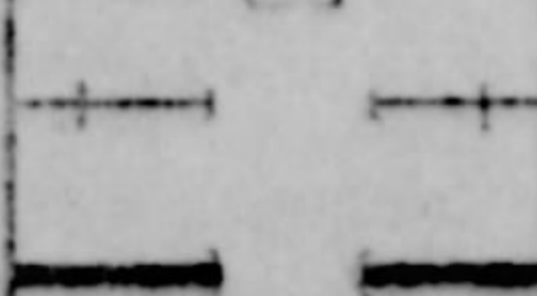
RELIEF FEATURES

Contours	Reliable		Sand	Dunes		
	Approximate			Areas		
	Depression			Ridges		
Levees or Eskers			Lava Flow			
Hachures						
Bluffs, Cliffs & Escarpments						

HYDROGRAPHIC FEATURES

Swamps & Marshes		Streams & Rivers	Perennial	
Tidal Flats (Exposed at low tide)			Intermittent	
Danger Line			Probable or Unsurveyed	
Rocks Afloat			Braided	
Shoals (Exposed at low tide)		Intermittent Lakes (blue stipple)		
Springs		Drainage Ditches		
Wells & Water Holes		Canals	In use	
Reefs, Coral & Rocky Ledges (Afloat at low tide)			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).....	● Factory	Boundaries { International State & Provincial	
(Numerals indicate elevation above sea level of top)	● Stack 875'		
Oil Tanks.....	● ● ● ●	Abandoned or Under Construction	
Oil Fields.....	A A		
Dams.....		Railroads	
Elevations { Highest on chart (Highest on chart is devoid of tint) (In feet) Highest in a general area Spot.....	● 1115 ● 1085 ● 950		
Mines and Quarries.....	⊕	Bridges { Railroad Highway	
Mountain Passes.....	) (		
Lookout Stations (Elevation is base of tower).....	⊙ 75 (Site) 1025 (Elev)	Tunnels { Railroad Highway	
Coast Guard Stations.....	⊕ CG 79		
Pipe Lines.....	PIPE LINE		
Race Tracks or Stadiums.....	RT		
Stranded Wrecks.....			

ELE

(Joins 407) 96°K

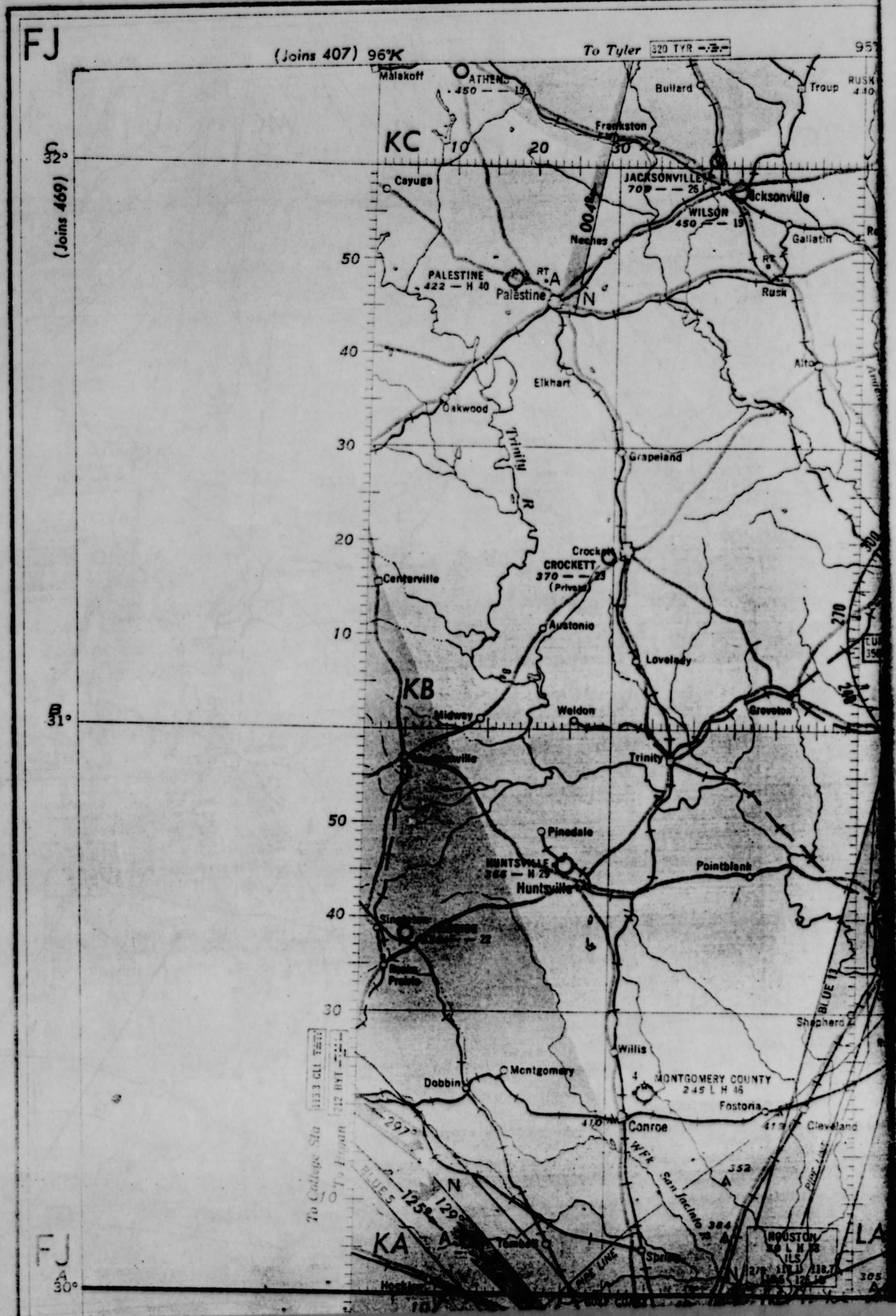
To Tyler 320 TYR -.:2.-

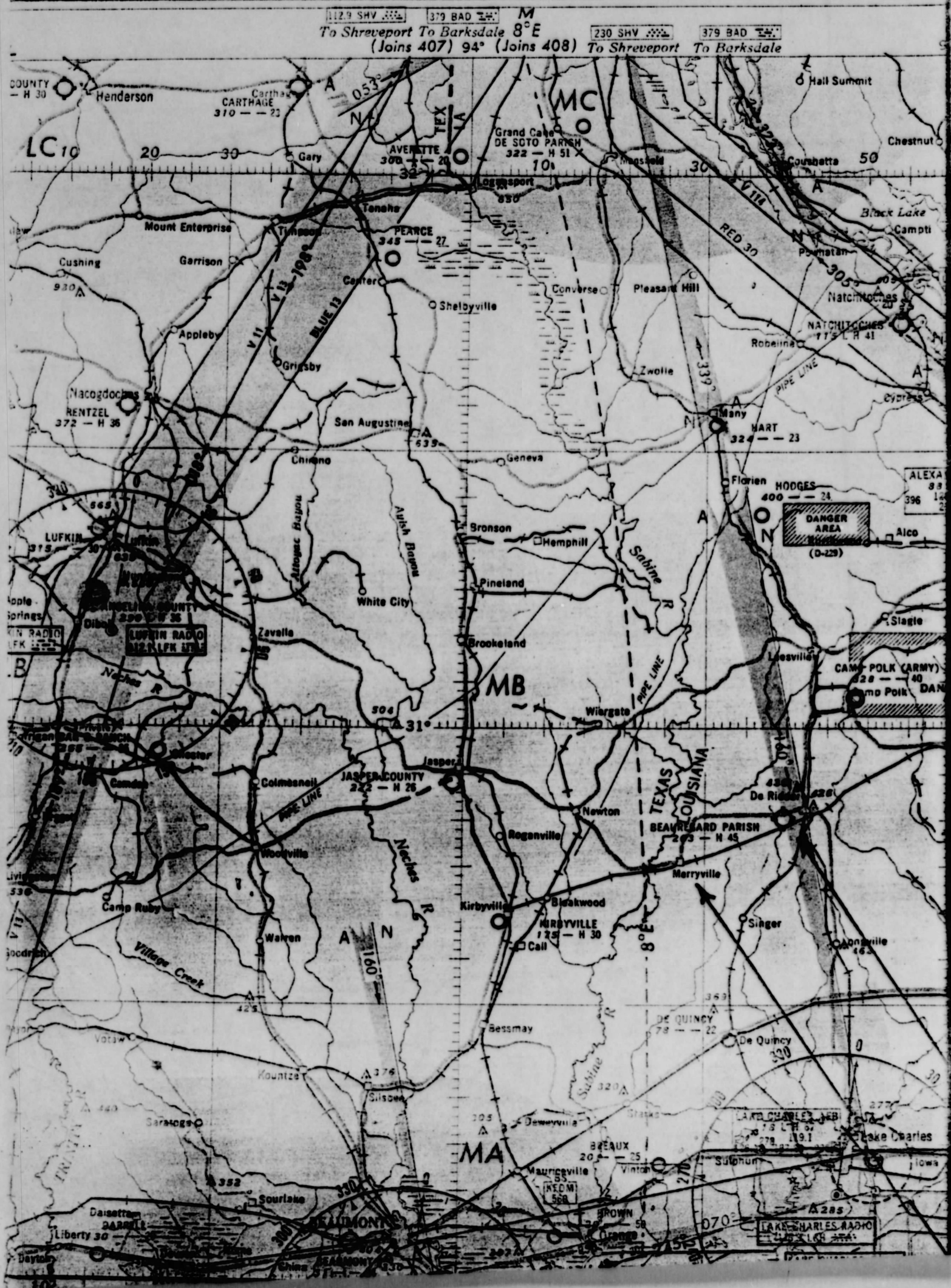
957

32.
(Joins 469)

B.
31°

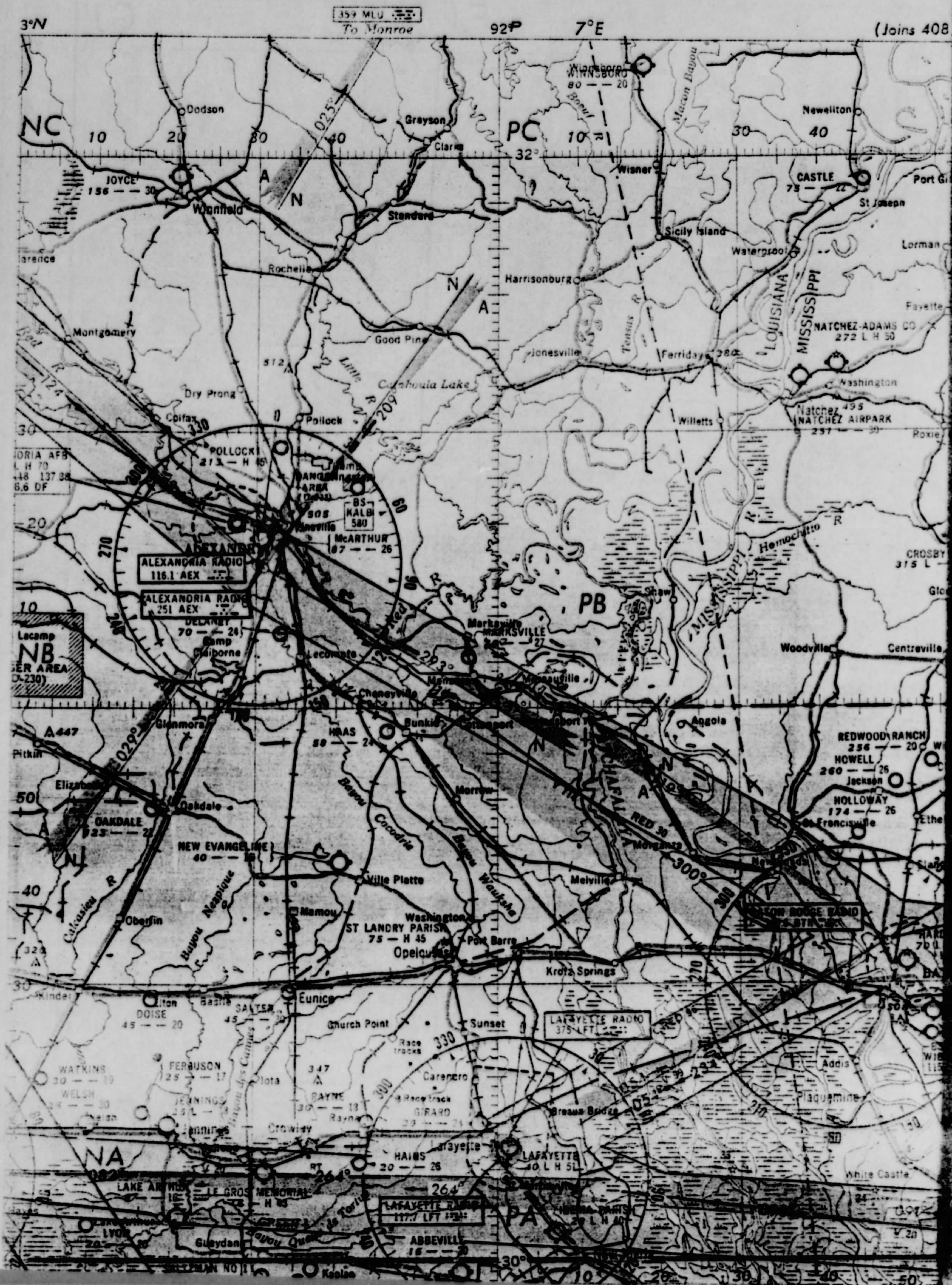
FJ
A
30



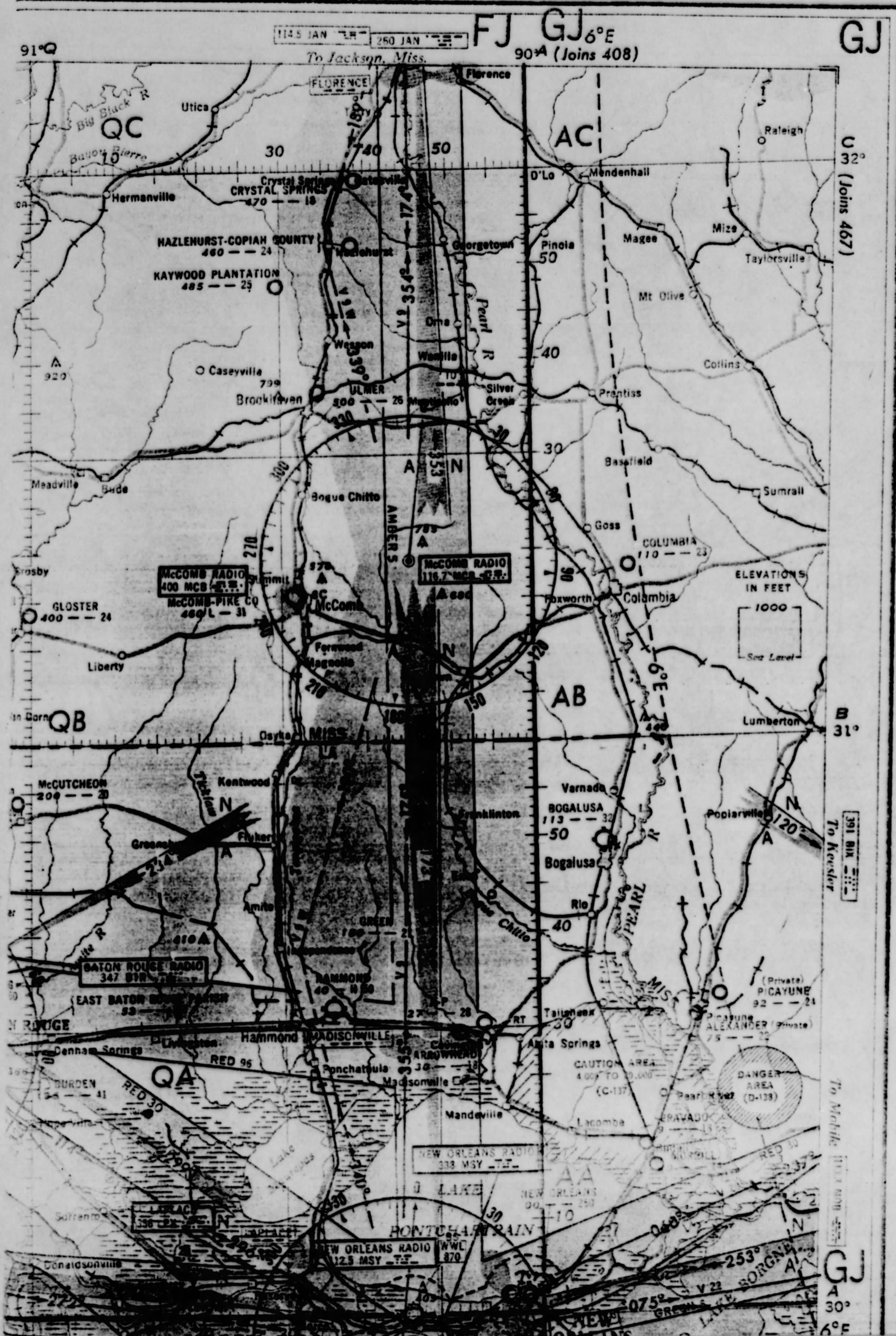


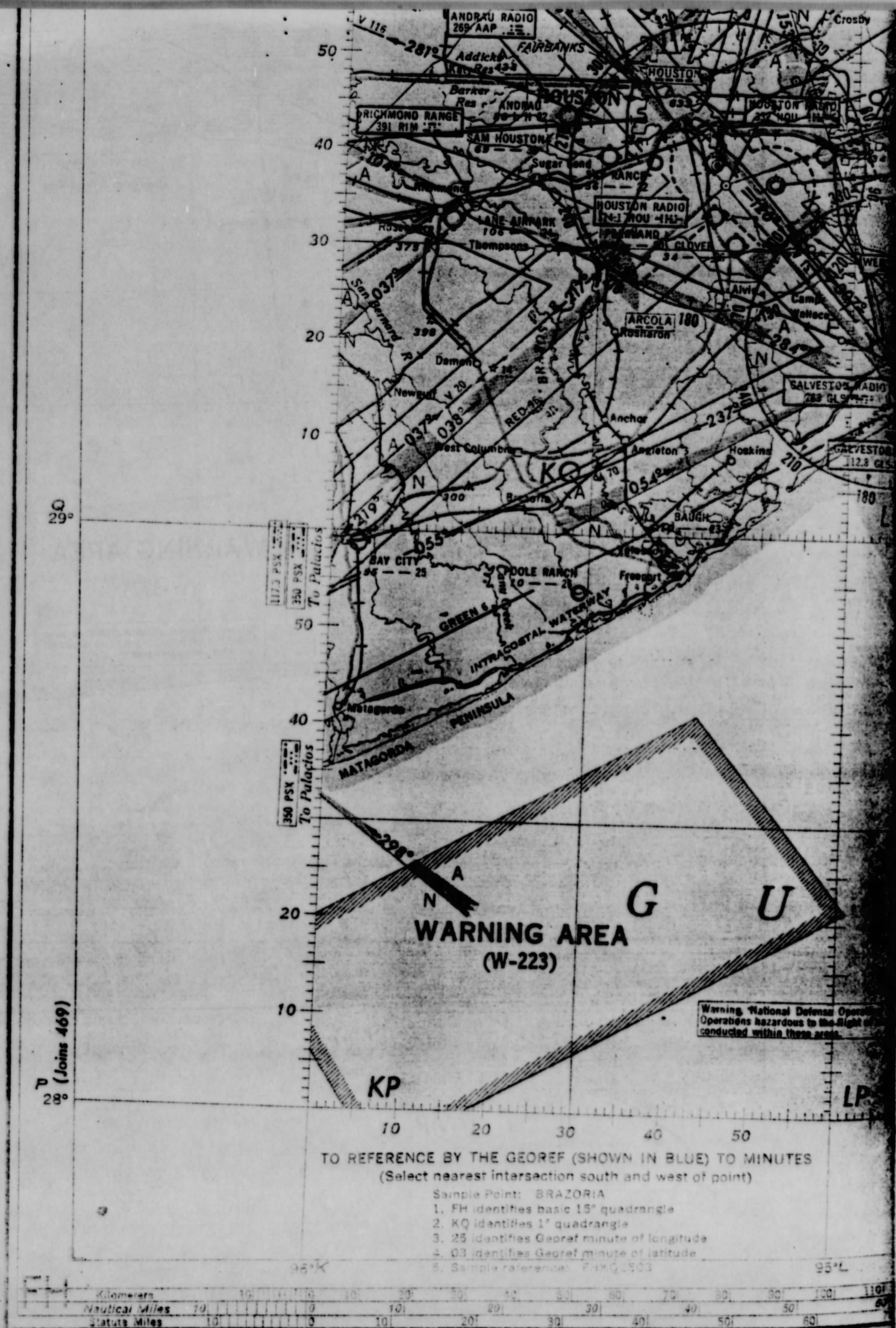
AUTICAL CHART

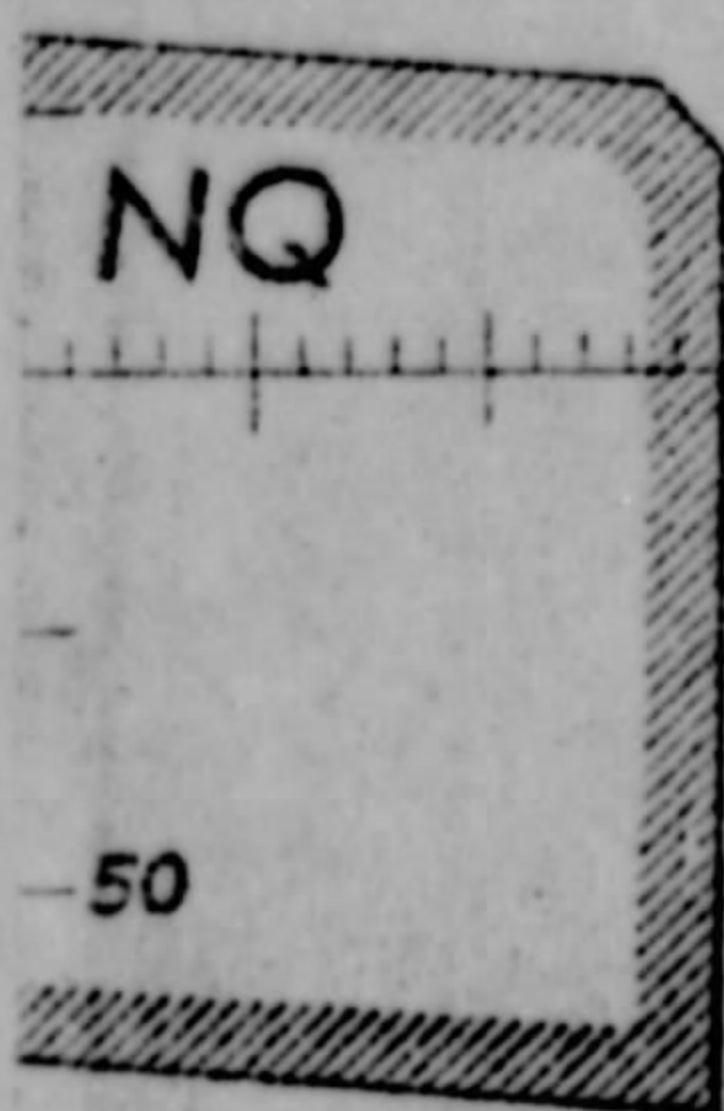
Compiled to ICAO Standards
For ICAO number add 2000 to the chart number.



(468)





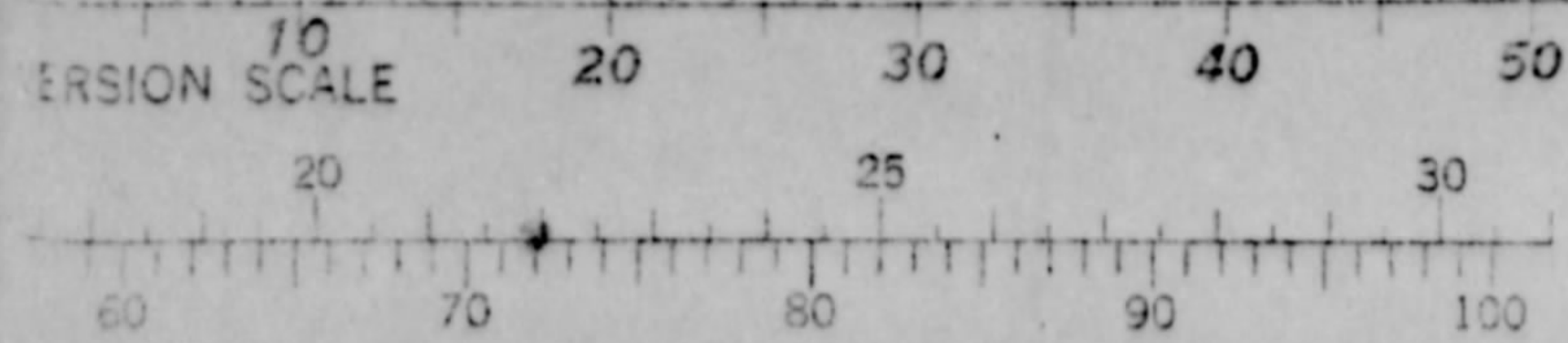


PQ
29

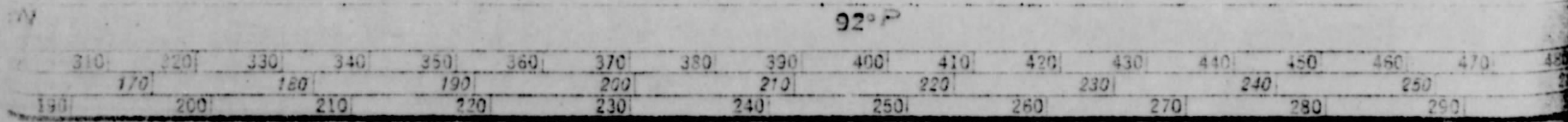
M E X

NP

PP
28



Refer to the figures on both sides of scale



Note: It is requested that users of this chart indicate corrections and additions which come to their attention and comply with mailing instructions on reverse side.

SCALE 1:1,000,000
GEOREF 8-52

AERONAUTICAL CHART SUPPLY

To insure that the airman has the latest information available, U. S. World Aeronautical Charts are revised at six-month periods and the Alaskan World Aeronautical Charts are revised at twelve-month periods. The time of the next scheduled printing is shown on the face of the chart below the date of the aeronautical information.

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 USAF Aeronautical Chart and Information Service are indexed or listed in the current edition of the USAF "Catalog of Aeronautical Charts and Related Publications."

2. Requisitioning.

- a. Outside Continental United States:

- (1) USAF activities are to submit requisitions thru the supply channels designated by the Theater Commander for maintenance and distribution of aeronautical charts and maps.
- (2) Theater supply facilities are to submit requisitions for replenishment of stocks of aeronautical charts and maps thru channels to USAF Aeronautical Chart and Information Service, Washington 25, D.C.

- b. Within Continental United States: Requisitions from USAF activities within Continental United States are to be submitted to Commanding Officer, Aeronautical Chart Plant, Attn: Distribution Division, 2nd and Arsenal Sts., St. Louis 18, Mo. Except when emanating from an Air Force, Wing, or Command Headquarters, requisitions are to bear the signature or approval by indorsement of the Base or Station Operations Officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a 30-day supply at all times but not to exceed a 60-day supply.

3. Requirements for Special Purpose Maps and Charts.

- a. Maps and charts for special purposes, specific missions, and also those maps and charts published by other government agencies, which are not listed in the principal types of aeronautical charts in the current edition of the USAF "Catalog of Aeronautical Charts and Related Publications," should be requisitioned from USAF Aeronautical Chart and Information Service, Washington 25, D.C. Charts will be furnished, if available, when sufficiently identified in requisitions as to name or number, scale, projection and publisher.

- b. Information regarding cloth reproduction of certain selected aeronautical charts and maps may be obtained, on request, from: USAF Aeronautical Chart and Information Service, Washington 25, D. C.

4. Obsolete Charts.

Aeronautical charts rendered obsolete-for-air by a new edition, when not practicable to correct for conformity with new edition, are to be salvaged if feasible, or else destroyed. Disposition by salvage or destruction is to be made in accordance with provisions of AFR 205-1. New editions of charts available are announced in the USAF Aeronautical Chart and Information Service Bulletin published semimonthly.

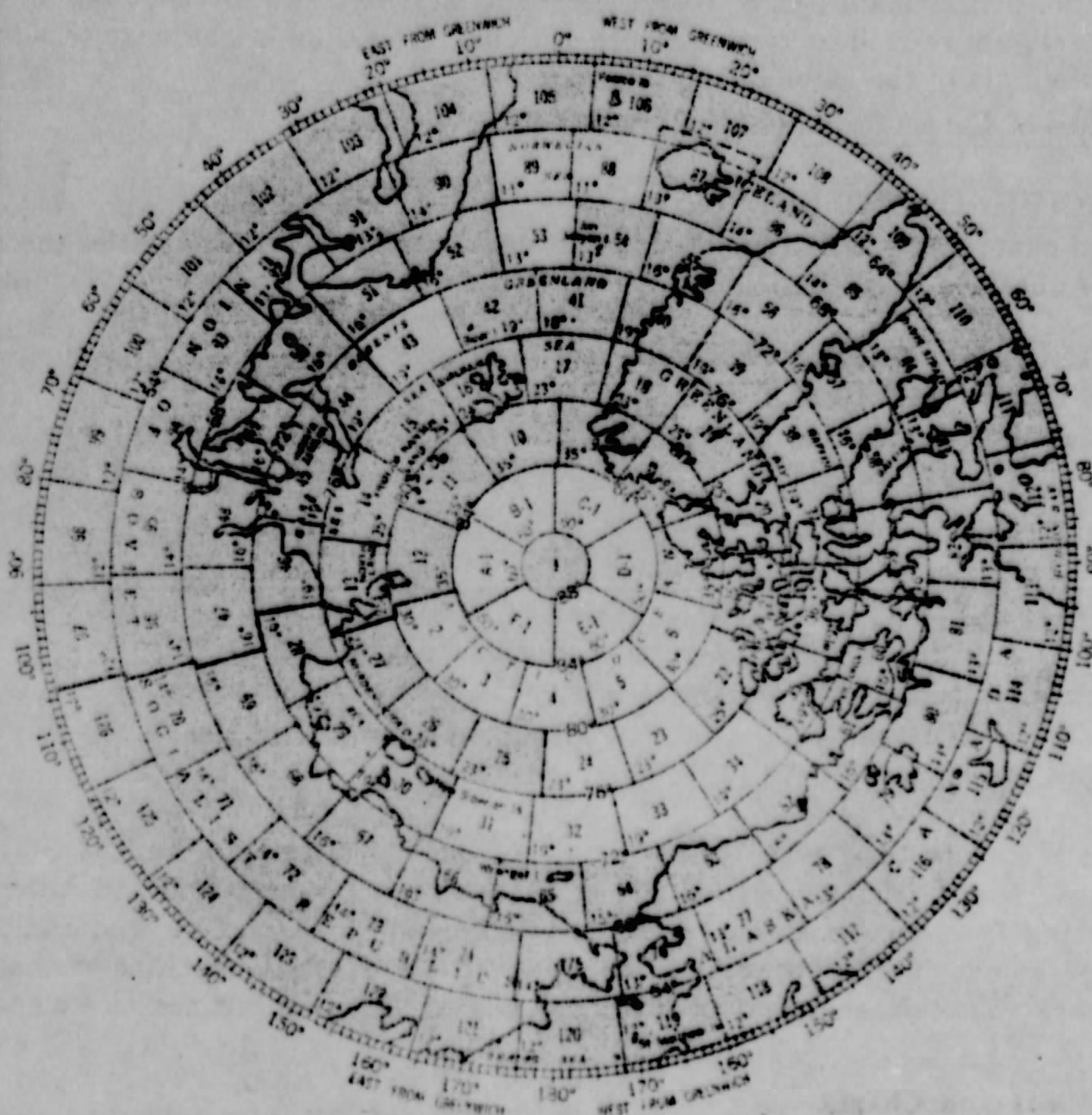
CORRECTION INSTRUCTIONS

1. The Coast and Geodetic Survey is making every effort to furnish the user with accurate charts. The user will materially assist in this effort by marking corrections of aeronautical information, drainage, relief and cultural features (roads, canals, power lines, etc.) on the face of the chart, on an overlay of the area, or under "Remarks" below. In reporting elevation corrections, state method used by observer in making the determination.

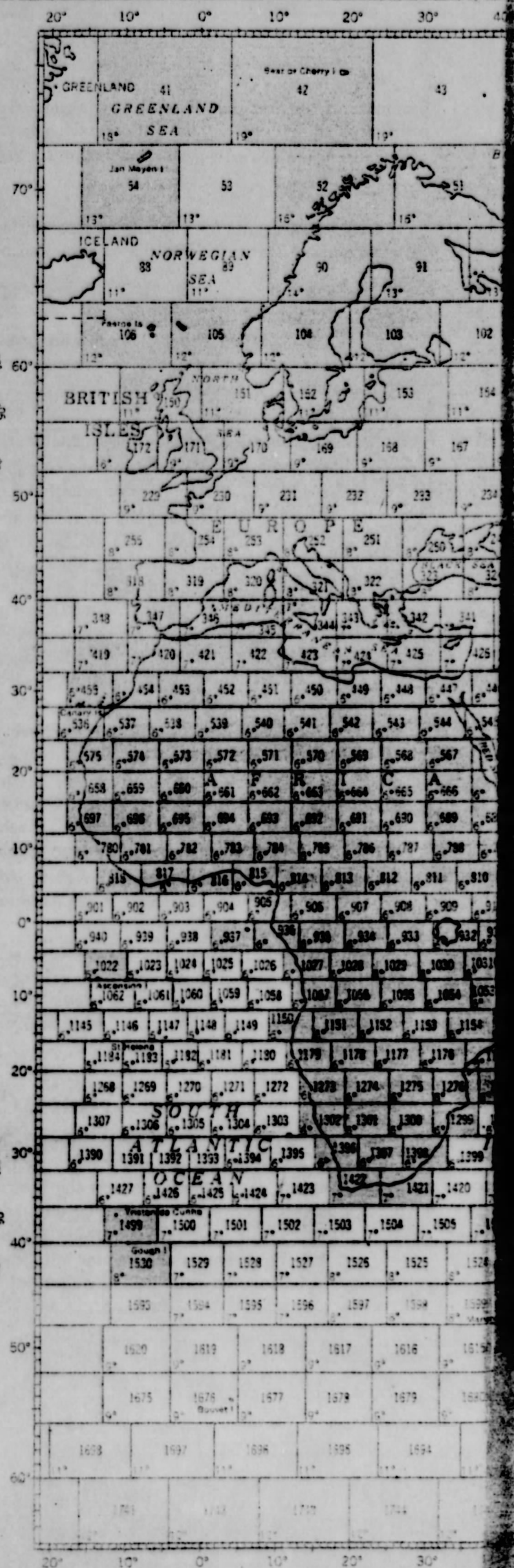
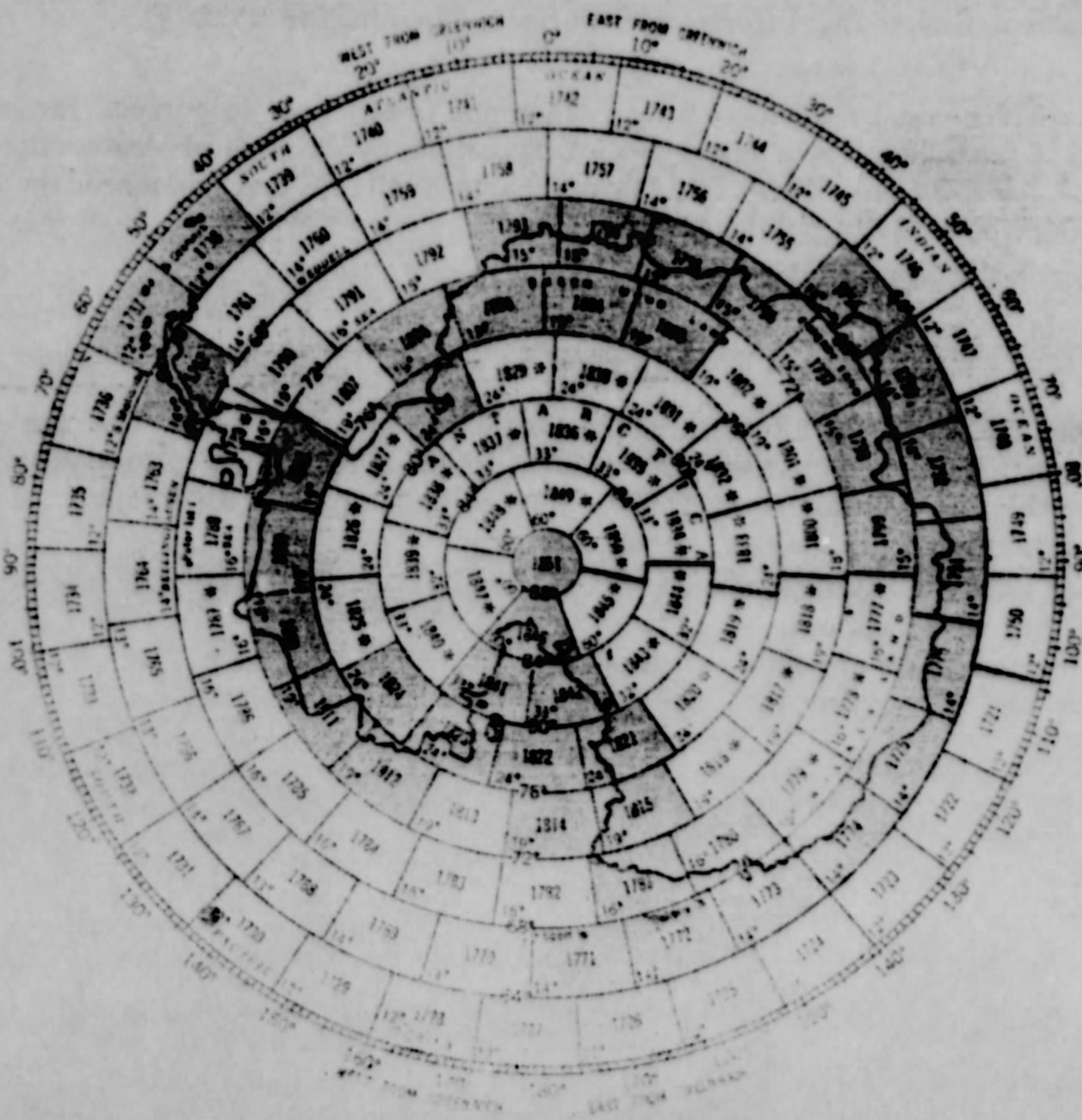
- a. Mark correction on face of chart or under "Remarks" below.
- b. Fold chart along regular fold lines, but with back out.
- c. Make an extra fold along dotted line and staple at points so marked.
- d. Fill in the return address and drop the chart in any U.S. mail box. Postage is not required.

Remarks:

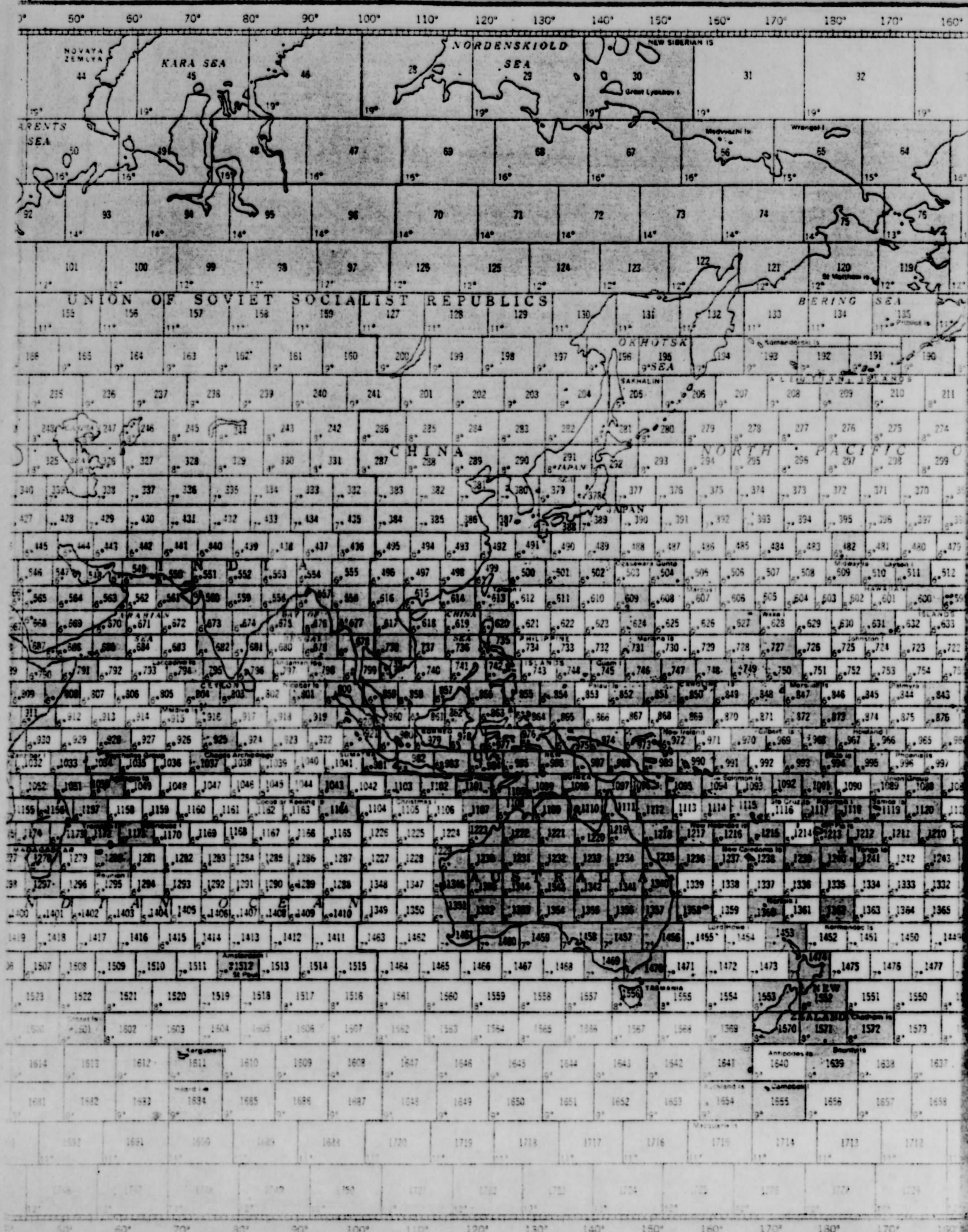
NORTH POLAR AREA



SOUTH POLAR AREA

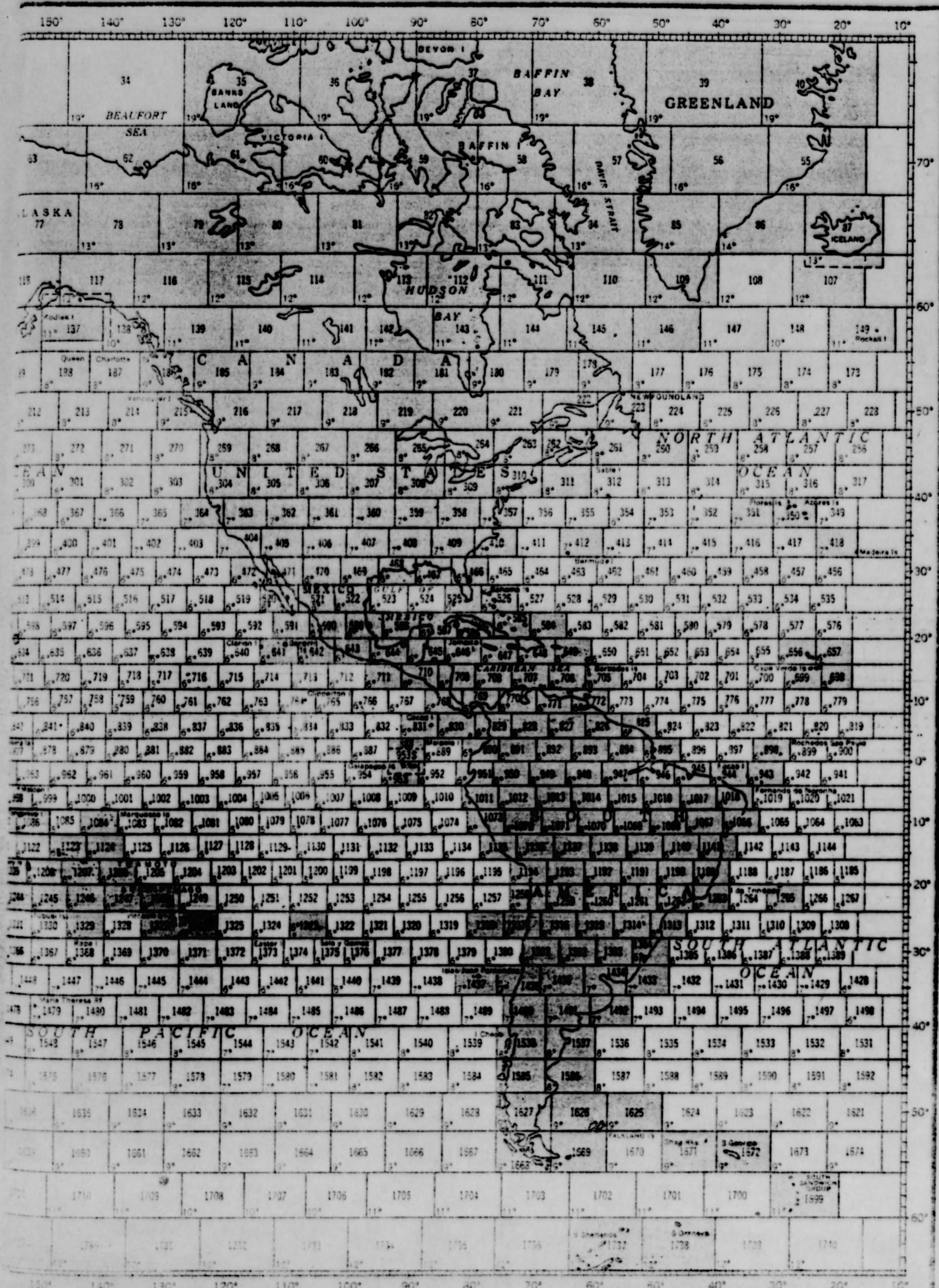


*Indicates that there is not sufficient information available to compile charts in this area at a scale of 1:1,000,000. Requisitions for these charts will be filled with the appropriate Universal Water Chart.



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000



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 northern and south latitudes.

NOTE: Requisition these charts by name and latitude interval.

Example: WAQ-225 would be **WATER-48/52**

Charts published ☐

Charts not published ☐

STAPLE HERE

STAPLE HERE

FROM _____

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300OFFICIAL BUSINESS
PERMIT NO. 1009*To:*

The Director

U.S. Coast and Geodetic Survey

Washington, 25, D.C.

MAKE EXTRA FOLD HERE TO RETURN TO DIRECTOR, USC&GS

U. S. DANGER AREAS ON WORLD AERONAUTICAL CHART 468

NO.	NAME	ACTIVITY	USING AGENCY	ALTITUDE	TIME
W-92	New Orleans	Gunnery, Bombing, Rocket Firing	NAS New Orleans, La.	To 20,000	Unltd.
C-137	New Orleans	Acrobatics	NAS New Orleans, La.	4,000-20,000	0800-1630
D-138	Pearl River	Strafing, Rocket Firing, Glide and Dive Bombing	NAS New Orleans, La.	Unltd.	0800-1630
W-223	Matagorda Island	Aerial Gunnery	8th Air Force, Carswell AFB, Tex.	To 50,000	Days
D-229	Camp Polk	Field Artillery Firing	4th Army, Camp Polk, La.	To 50,000	Unltd.
D-230	Camp Polk	Field Artillery Firing	4th Army, Camp Polk, La.	To 50,000	Unltd.
W-377	Gulf of Mexico	Air-to-Air Gunnery by Jet Aircraft	Tactical Air Command	To 40,000	Days
D-423	Esler Field	Radio Controlled Aerial Target	Louisiana National Guard	To 5,000	0700-1800 8,000-5 Mi. Vis. at Alexandria

Altitude given in feet.

AR - Airspace Reservation (Prohibited)

C - Caution

D - Danger

W - Warning

2-14-53

No person shall operate an aircraft within an Airspace Reservation or Danger Area unless permission for such operation has been issued by appropriate authority.

Aircraft are not restricted from flying through Caution Areas; however, extreme caution should be exercised by pilots flying through such areas.

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

AERODROME DATA AND LANDING FACILITIES INFORMATION

LAND		WATER
 BARGERSVILLE 900 L H 41 Airport of entry GCA SYSTEM 273 126.18	900 Elevation in feet L Minimum lighting H Hard surfaced runway 41 Length of longest runway in hundreds of feet	 NAS ANACOSTIA 00 L S 62 2870 00 Elevation in feet L Minimum lighting S Normal sheltered take-off area 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 SYSTEM - Ground Control Approach System. Other controlled approach systems by appropriate abbreviation.

273 126.18 2870 - Control tower transmitting frequencies

AIR NAVIGATION LIGHTS

Rotating Light.....*	Flashing Light (With code).....Fl *
Rotating Light (With flashing code lights).....*	Lightship.....
Rotating Light (With course lights and site number).....12 *	Marine Light.....Occ WRG ●
Flashing Light.....Fl *	

F—Fixed Qk Fl—Quick Flashing Occ—Occulting Gp—Group W—White B—Blue SEC—Sector
Fl—Flashing I Qk Fl—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..... ¹¹⁰⁰ ▲ (Numerals in italics indicate elevation above sea level of obstruction top.)	Reporting Point (Compulsory).....▲
Group Obstruction.....▲	Reporting Point (Non-compulsory).....▲
Prominent Transmission Line.....—T—T—	Ocean Station Vessel (Normal position).....
Mooring Mast.....	International Boundary..... (Closed to passage of aircraft except through air corridor)
Isogonic Line.....—4°E— Values for 1950	

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
	Danger, Restricted or Warning Area — invisible hazards to air navigation
	Caution Area — Visible hazards to air navigation

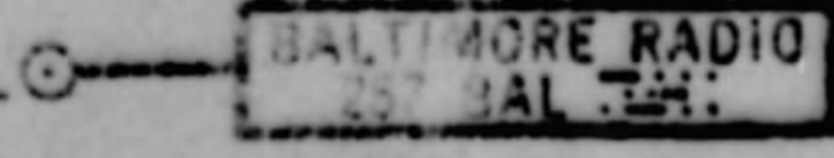
AERONAUTICAL SYMBOLS

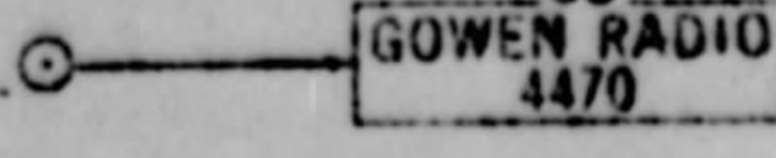
RADIO FACILITIES

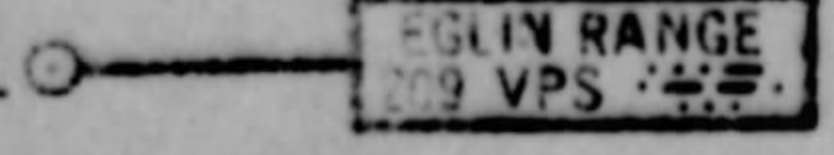
All radio facility data are printed in blue with the exception of certain LF/MF facilities such as tower frequencies, radio ranges and associated airways, which are printed in magenta.

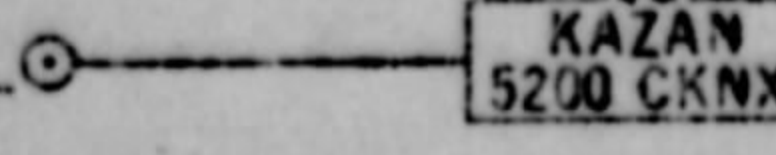
Methods of indicating specific voice and CW calls are shown below

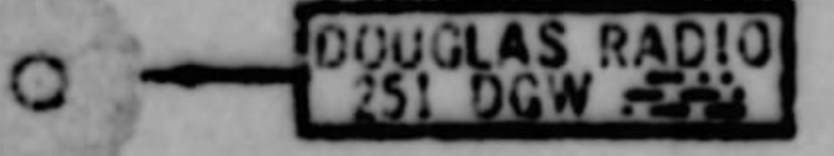
Use of the word "Radio" within the box indicates voice facilities.

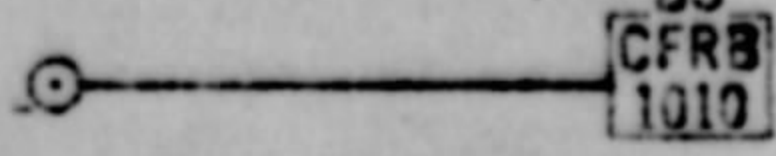
Radio Range (With voice)  BALTIMORE RADIO 257.2AL 24.1

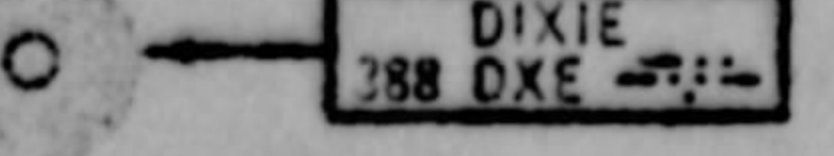
Radio Communication Station (With voice)  CS GOWEN RADIO 4470

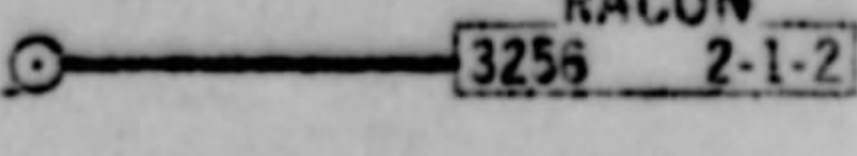
Radio Range (Without voice)  EGLIN RANGE 209 VPS 4.5

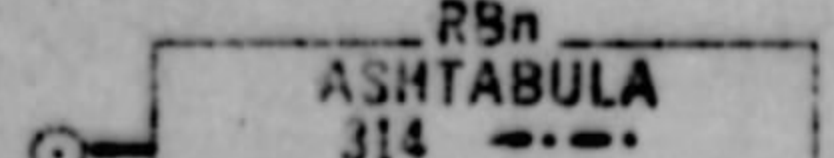
Radio Communication Station (Without voice)  CS KAZAN 5200 CKNX

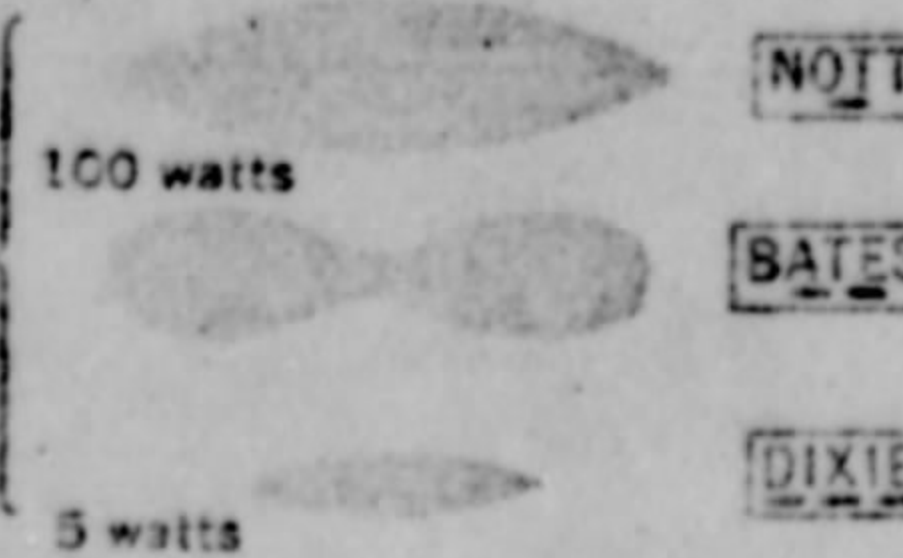
Nondirectional Radiobeacon (With voice)  DOUGLAS RADIO 251 DGW 2.4

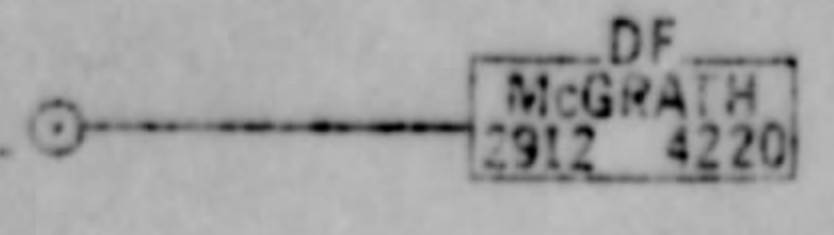
Radio Broadcasting Station  BS CFRB 1010

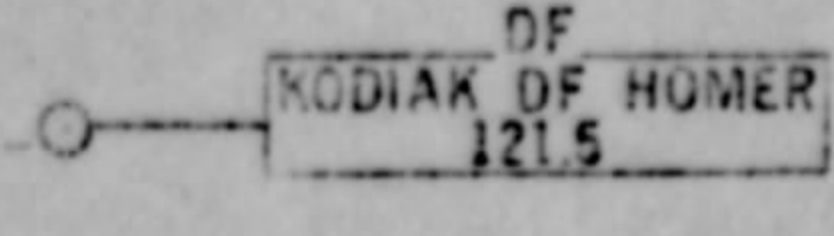
Nondirectional Radiobeacon (Without voice)  DIXIE 388 DXE 2.4

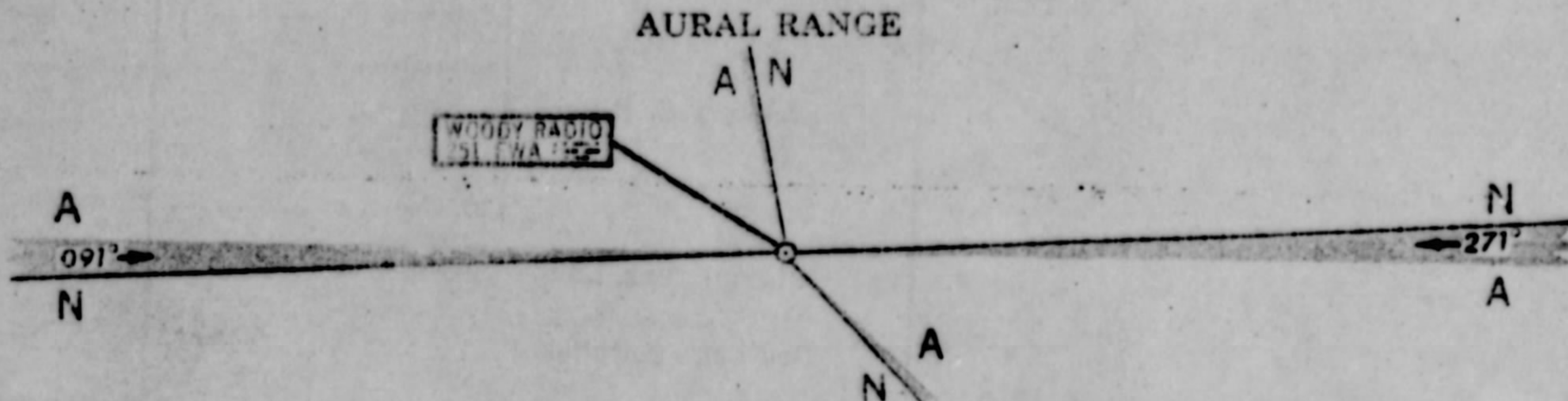
Radar Beacon (Racon)  RACON 3255 2-1-2

Marine Radiobeacon  RBN ASHTABULA 314 2.4 0m-10m & 30m-40m

Radio Fan Marker Beacons  100 watts NOIT 5 watts BATES DIXIE

Radio Direction Finder (Without voice)  DF McGRATH 2912 4220

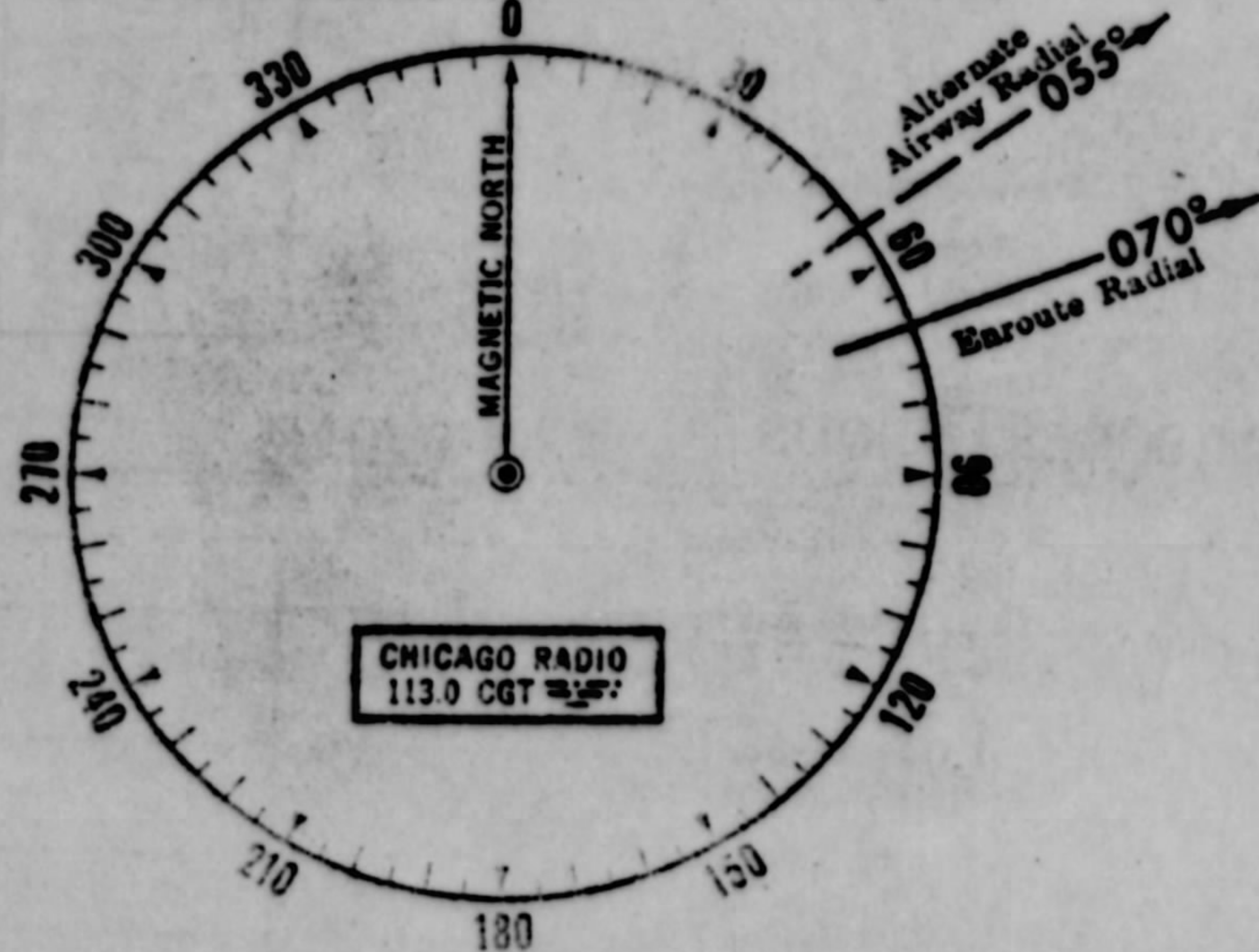
Radio Direction Finder (With voice)  DF KODIAK DF HOMER 121.5



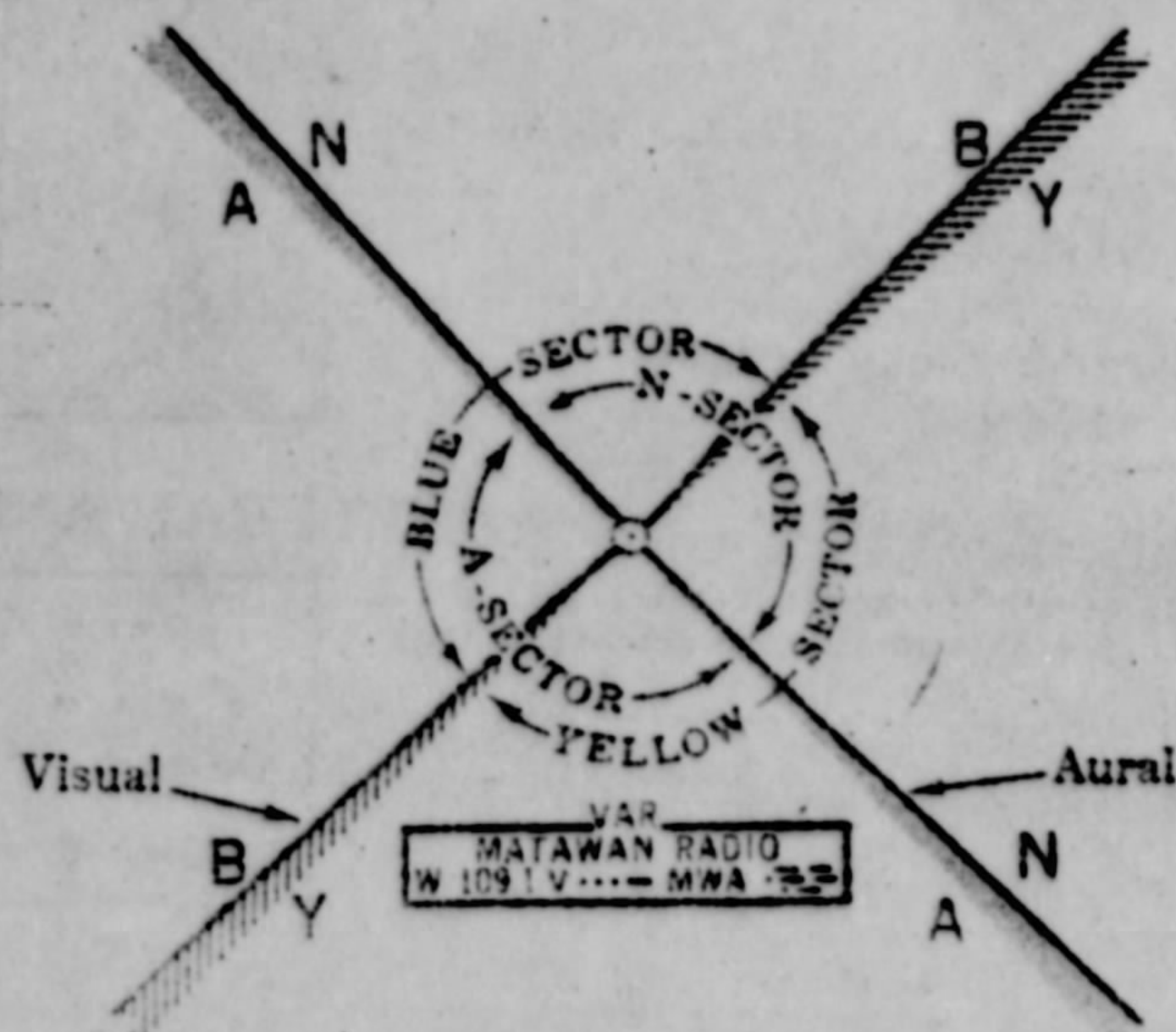
The heavy line indicates the "N" quadrant. The bearings shown are magnetic and the magnetic variation at the position of the ground station is used for computing them.

VHF OMNI-DIRECTIONAL RANGE (VOR)

VHF FOUR COURSE VISUAL-AURAL RANGE (VAR)

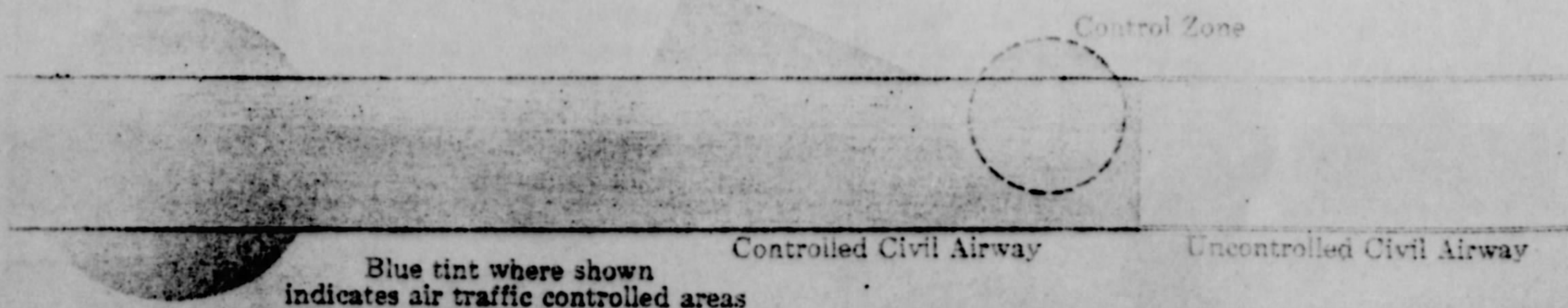


Bearings are magnetic from the station. Radius of circle is 15 nautical miles.



Letter preceding frequency in box indicates channel identification.

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.....		Perennial.....	
Tidal Flats..... (Exposed at low tide)		Intermittent.....	
Danger Line.....		Probable or Unsurveyed.....	
Rocks Awash.....		Braided.....	
Shoals..... (Exposed at low tide)		Streams & Rivers.....	
Springs.....		Intermittent Lakes (blue stipple).....	
Wells & Water Holes.....		Drainage Ditches.....	
Reefs, Coral & Rocky Ledges..... (Awash at low tide)		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)	● Factory ● Stack 875'	Boundaries	International State & Provincial	
Oil Tanks	● ● ● ●			
Oil Fields	AA			
Dams	IMPASSE			
Elevations (In feet)	Highest on chart (Highest on chart is devoid of tint) Highest in a general area Spot		Abandoned or Under Construction Single Track Multiple Track Sidings & Spurs Overpass Underpass	
Mines and Quarries	⊕	Railroads		
Mountain Passes	) (			
Lookout Stations (Elevation is base of tower)	⊕ 75 (Site) 1025 (Elev)			
Coast Guard Stations	⊕ CG 75	Bridges	Railroad Highway	
Pipe Lines	PIPE LINE			
Race Tracks or Stadiums	RT	Tunnels	Railroad Highway	
Stranded Wrecks	⊕ ⊕ ⊕			