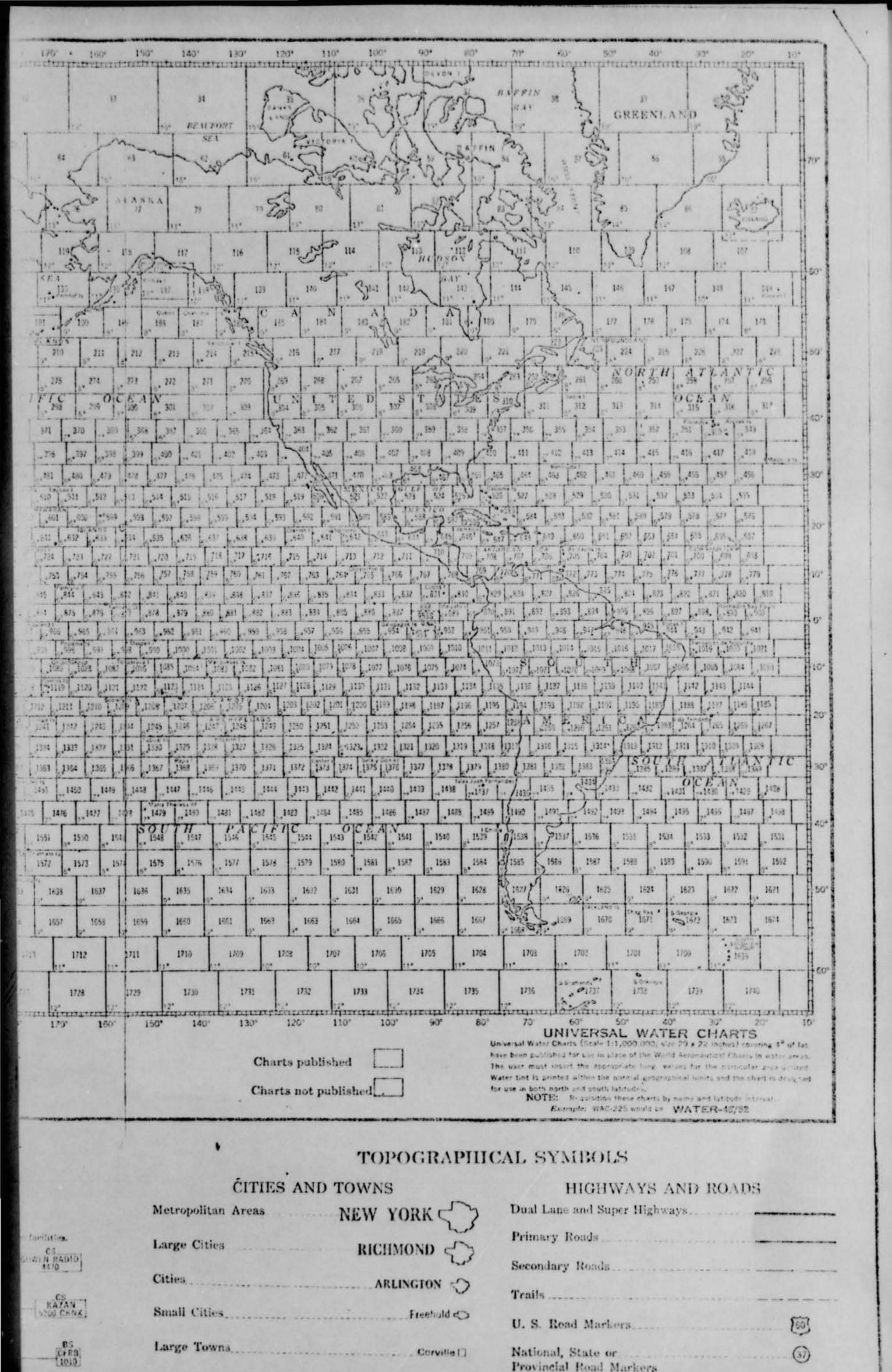
1. DATE - TIME GROUP 23 larch 53 24/041.22	2. LOCATION Pasadone, Totas
J. SOURCE Varied	10. CONCLUSION BALLOON
4. NUMBER OF OBJECTS One - Four	Object mosts the description of a Radiosonde Reather Balloon.
5. LENGTH OF OBSERVATION 30 linutes	11. BRIEF SUMMARY AND ANALYSIS At 0412 a blip appeared on radar scope for a period of appro
6. Type of observation ar Ground-Visual - Ground	25 sec. At 0415 object was sighted visually appearing to be a reddish colored light circling around (5 times) Pesadema then disappearing to the MM.
7. COURSE Circling	
8. PHOTOS	
9. PHYSICAL EVIDENCE	

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



RELIEF FEATURES

Road Names ALASKA MIGHWAY

e. Make an extra	fold along dotted line and staple at points on address and drop the chart in any U.S	so marked. S. mail box. Postage is not i	required.
arkst			
		Charles and the second	*******
	AND A THE REST OF THE PARTY OF		
STAPLE HERE			STAPLE HERE
1			FOR PRIVATE USE TO AVOID
		PAYN	MENT OF POSTAGE, \$300
	To:		
	The Director		
	U.S. Coast and Geodetic	Survey	
	Washington, 25, D.C.		The state of the s
	MAKE EXTRA FOLD HERE TO RETURN	N TO DIRECTOR, USCAGS	
11 6	DANGER AREAS ON WORLD	AFRONAUTICAL CHAI	RT 468
			1
D. NAME New Orleans	Gunnery, Bombing, Rocket Firing	NAS New Orleans, La.	To 20,000 Unite.
37 New Orleans 38 Pearl River	Acrobatics Strafing, Rocket Firing, Glide	NAS New Orleans, La. NAS New Orleans, La.	4,000-20,000 0800-1630 Unitd. 6800-1630
23 Matagorda Island	and Dive Bombing	Sth Air Force, Carswell AFB, T	
229 Camp Polk	Field Arullery Firing	4th Army, Camp Polk, La.	To 50,600 United.

b. Fold chart along regular lold lines, but with once our,

W-377 Gulf of Mexico

appropriate authority.

Alritude given in feet.

Obstruct

Rotating

Rotating

Rotating

Flashing

F-Fixed

*Indicates :

charts in t

Group (1)

Moorin

To 40,000

W - Warning

Days

8-19-52

Tactical Air Command

C' - Caution

D - Danger

Air-to-Air Gunnery by Jet Aircraft

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

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

AR - Airspace Reservation (Prohibited)

Restrict

Restrict

STAPLE HERE

PRIVATE USE TO AVOID

*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

LAND WATER

Aerodromes with emergency or no facilities

LAND WATER

Aerodromes with emergency or no facilities

LAND WATER

Civil

D Landing Area

D Sheltered Anchorage

Military

AERODROME DATA AND LANDING FACILITIES INFORMATION

LAND

BARGERSVILLE 908 L H 41 Alecort of entry GCA SYSTEM 278 126.18

- 908 Elevation in feet
- L Minimum lighting
- н Hard surfaced runway
- 41 Length of longest runway in hundreds of feet
- WATER
- co Elevation in feet

 L Minimum lighting
- s Normal sheltered take-off area

NAS ANACOSTIA

2870

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.

278 126.18 2870 - Control tower transmitting frequencies

AIR NAVIGATION LIGHTS

Flashing Light (With code)..... Rotating Light Lightship.... Rotating Light (With flashing code lights) * Flashing Light FI # Occ - Occulting 8-Blue SEC - Sector F-Fixed Qk FI-Quick Flashing W-White Gp-Group (U) - Unwatched 1QkFI-Interrupted Quick Flashing sec -- Secon-Alt-Alternating G-Green R-Red FI-Flashing

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

MISCELLANEOUS

Obstruction

(Numerals in italics indicate elevation above sea level of obstruction top.)

Group Obstruction

Prominent Transmission Line

Nooring Mast

Isogonic Line

--4°E
Values for 1950

Reporting Point (Compulsory)

Ocean Station Vessel (Normal position)

International Boundary

(Closed to passage of alreraft except through air cerridor)

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

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

- Prohibited Area — Flight of aircraft prohibited except by specific numberity of using the straint areas.

Danger, Restricted or Warning Area — Invisible baratis to als usuagation.

CAUTION AREA
(C-SA)

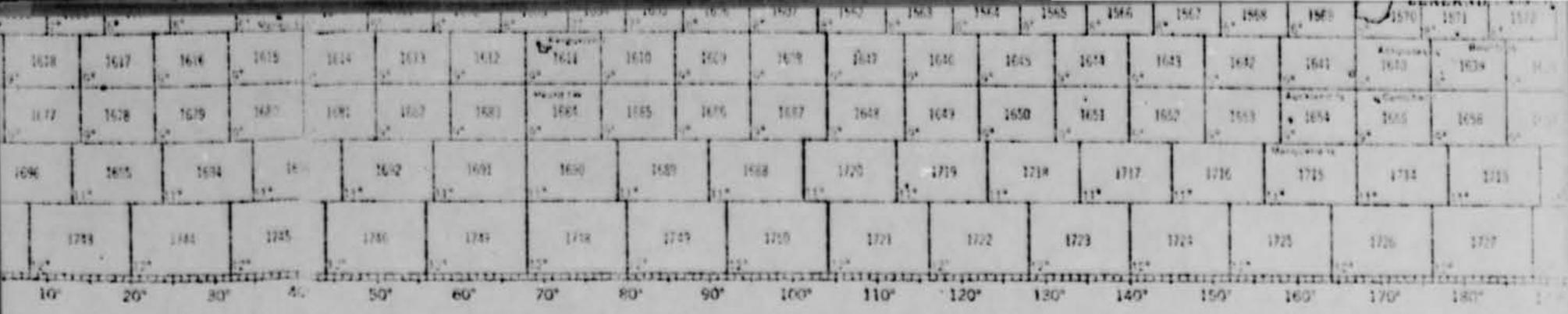
Caution Area - Visible hazarda to air navigation

468

ALTITUDE TIME Unlid. To 20,000 4,000-20,000 0800-1630 United. 0890-1630 Days To 50,000 To 50,000 I mitd. To 50,000 Unltd. To 10,000 Days W - Warning 8-19-52 has been issued by

has been issued by

ing through such areas.



AERONAUTICAL CHART

Scale of Series 1:1,000,000

AERONAUTICAL SYMBOLS

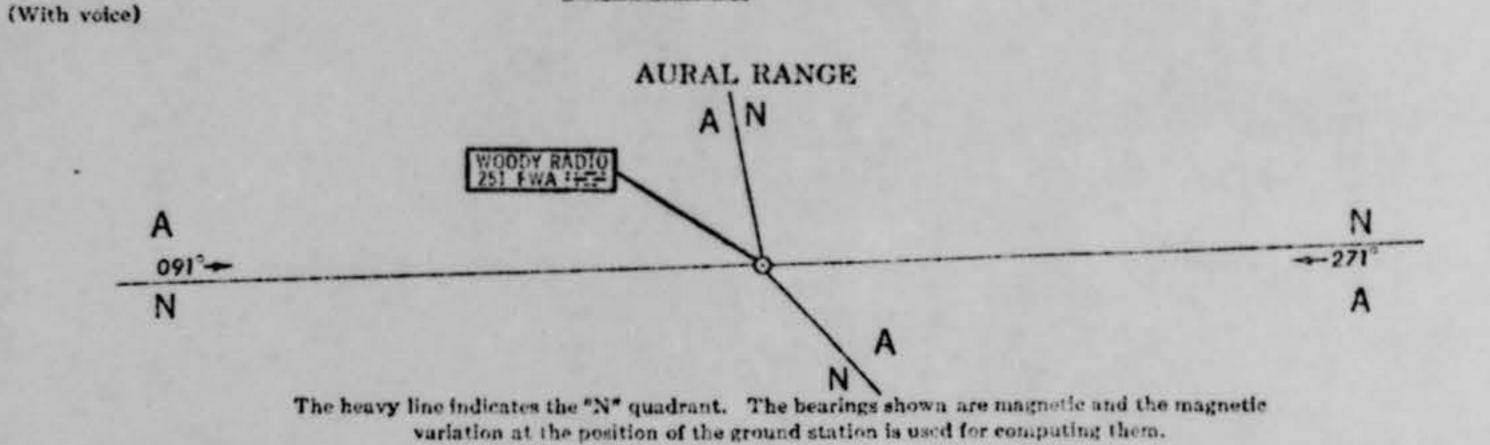
RADIO FACILITIES

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 bax indicates voice facility Radio Range. Radio Communication Station (With voice) (With voice) Radio Communication Station O-Radio Range. (Without voice) (Without voice) Nondirectional Radiobeacon Radio Broadcasting Station (With voice) Nondirectional Radiobeacon Radar Beacon (Racon) ... (Without voice) ASHTABULA 314 ----Marine Radiobeacon . 0m-10m & 30m-40m 100 watts Radio Fan Marker Beacons BATH Radio Direction Finder (Without voice) 5 wetts

KODIAK DE HOMER

Radio Direction Finder



VHF OMNI-DIRECTIONAL RANGE (VOR) VHF FOUR COURSE VISUAL-AURAL RANGE (V Enroute Rad CHICAGO RADIO Aural Visual. WATAWAN BADIO Letter preceding frequency in box. Umrings are magnetic from the station. indicate a channel indentification. Radius of circle is 15 nautical miles.

AIR TRAFFIC CONTROL Control Zone

Controlled Civil Airway Blue tint where shown indicates air traffic controlled areas

Uncontrolled Civil Airway

no facilities

g Area ed Anchorage

> NAS ANACOSTIA 2370

Occ WRC @

SEC -- Sector atched sec -- Second e indicated

thickly of using agency

artistion.

1639 1638 1637	1636 1635 1634 1633 1637 1631 0	1670 1629 1628	1627 1628 1628 1628 1629	1622 1671 15
1656 1657 1658	1659 1660 1661 1662 1663 1664	1665 1666 1667	1670 1670 Mary 1577 1677	1671 1674
1713 1712	711 1710 1709 1708 1707 170	6 1705 1764	1703 1702 1701 1700	1100
	- July 100 100 100	1 100	10. 10. 10 10.	
1727 1728	729 1730 1731 1732 1733	1734 1735	1736 5 1737 1738 1739	1749
180' 170' 160'	150° 140° 130° 120° 110° 1	100. 80° 80°	70° 60° 50° 40° 30°	20° 10°
EX		and delication and the second	UNIVERSAL WATER CHA	five) covering 4th of lat.
	Charts published		the user must insert the appropriate long, values for the Nater tint is printed within the normal geographical limits a	porticular area disting
	Charts not published		or use in both north and south latitudes. NOTE: Requisition these charts by name and la	
			Example: WAC-225 would be WATER-	48/52
	1	DOCD ADILL	CAL SYMBOLS	
	CITIES AND TOWN	-	Dual Lane and Super Highways	
	Metropolitan Areas NEW	YORK 5		
es voice facilities.	Large Cities RIC	HMOND 53	Primary Roads	
GOWEN RADIO	Cities	RLINGTON 🗘	Secondary Roads	
CS KAZAN 5200 CKNX			Trails	
[5200 CKNX]	Small Cities	Freehold	U. S. Road Markers	
[CFRB]	Large Towns	Corville []	National, State or	
CONTRACT	Towns & Villages	Arcola o	Road Names	ALASKA HIGH
3256 2-1-2				
		RELIEF F		FERTING AND
· [NOTT]	Contours { Reliable	1000	Sand Areas	
BATES	Levees or Eskers		Ridges	
DIXIE	Bluffs, Cliffs & Escarpments		Lava Flow	
		HYDROGRAPI	HIC FEATURES	-
	Swamps & Marshes	THE TOTAL OF THE PARTY OF THE P	Perennial	
			Intermittent	
	(Exposed at low tide)		Streams & Rivers Probable or Unsurveyed	
N		1)	Braided	
271°	Danger Line	\	Intermittent Lakes (blue stipple)	
A		1 3	Drainage Ditches	
	Rocks Awash		Canals {In use	
	Shoals.		(Abandoned	
L RANGE (VAR)	(Exposed at low tide)		Dry Lake Beds (brown stipple)	(C)
	Springs	8	Sand Deposits in river bed	
BY	Wells & Water Holes	(•]	Dry Washes (brown stipple)	
	Reefs, Coral & Rocky Ledges	6 TOTAL	Glaciers and Ice Caps	夏季
	CI	LTURAL AND	MISCELLANEOUS	
	Landmarks (with appropriate note)	Factors	International	
	Oil Tanks		Boundaries State & Provincial	
Aural	Oil Fields	A A		
/ N		.1115	Under Construction	
A	Elevations Highest on chart is devoid of tint) Highest in a general area.	.1085	Single Track	
	(In feet) Spot.	950	Railroads Multiple Track	
ion.	Mines and Quarries	~~~~	Overpass	
	Mountain Passes)(Underpass	
	Lookout Stations (Elevation is base of tower)	(5 75(Site)		
	Coast Guard Stations	• cc 79	Bridges {Rollroad	
	Pipe Lines		I Highway	
AND MANY THE REAL PROPERTY.	Race Tracks or Stadiums	a RT	Tunnels Railread	
		No.	Highway	



UNCLASSIFIED / 5

UNTRY		REPORT NO.		(LEA)	E BLANK)	
USA	AIR INTEL	LIGENCE I	NFORMA	TION	REPOR	T
ECT		1150				
A REPORTED ON		34/6.	FROM (Agency)			
Pasadena.		30//	E. P. S.	47th	AC & W	Sq
E OF REPORT	DA	TE OF INFORMATION	1050		EVALUATION	C 1
31st March	1953	23 March	1903			C-1
	CURVEY; Capta	ain, USAF		Item	1 thru	7
RENCES (Control number, d	irective, previous report, etc., as	applicable)				
Name and Address of the Owner, where the Park of the Owner, where the Park of the Owner, where the Owner, while the Owner, where the Owner, while the Owner, where the Owner, while the Owner, wh	00-5, AFL 200		aragraph. List inclos	nures at lower	left. Regin teri	of report on AF Form 113Part II.)
. Contro Contro		win jina one semence p	araprapia zaranera		20,000	9 10201 011 111 201 111 111 111 111,
	TITTODDOM	b. +b	- e-11	na no	mad na	2000
Report or	FLYOBRPT as	seen by th	e lottowi	ng na	mad ber	aons,
.1. T/Sgt P	atrick D Lig	gett) Ra	dar Scope	Pres	entatio	on
2. A/1c C	A Craves) Vi	sual Sign	iting	*	
3. A/10 0	eonard Dures	ea Jr	,, ,	1		
5. Mrs	The state of the s)	11 1	•		
6. Mrs)	" '			Cambant
7. 2nd Lt	Robert K Smi	tn) Sn	ooting of	Star	s with	Segtant
The follow	ing weather	prevailed	for 23rd	March	1953.	
		a to: 1	1		to	100 miles
in a north	our station leastern and	southweste	es also e	tion.	ing to	100 miles
Ground clu	tter around	station di	dnot per	nit co	ntinuo	us tracking.
AFB. Texas	t this stati , but was in Airborne for	formed no	Aircraft	or P	llots w	fied Ellington ere available
	no Airoraft					
			Captai	n, US	URVEY AF enter	hief
16 INCLS Statement		iggett Graves Olden Smith	WAC NO 4 WAC NO 4 Photo	68 (W 68 (F (W	eather) lyobrpt	day)
TRIBUTION BY ORIGINATOR			DOV	WNGRA	DED AT	3 YEAR INTERVALS
				DECLA	SOLLIED	AFTER 12 YEARS. IR 52610

HIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U. S. C.—
ND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.
AY NOT BE REPRODUCED IN WHOLE OR IN PART, BY OTHER THAN UNITED STATES AIR FORCE AGENCIES, EXCEPT BY PERMISSION OF THE DIRECTOR OF
ALLIGENCE, USAF.

Inol I



AF FORM 112-PART II

UNCLASSIFIED

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)	REPORT NO.					
747th AC & W Sq		PAGE	.2	OF	7	PAGES

At 0355 Z, Lt R K Smith called Base Operations and reported seeing a flying object over Pasadena, Texas. (See inclosures for Lt R K Smith's statement). Base Operations passed Lt Smith's information to the 747th AC & W Sq. T/Sgt Liggett, A/lc Graves, and A/lc Olden of the 747th AC & W Sq observed the object reported and made the following statement.

"We immediately Radar scanned the area and could not locate the object electronically. We went out side and sighted the object in a sector believed to be over Pasadena, Texas. The object showed a steady reddish light, which was not observed to change in color. The object was on a heading of approximately 355° to 040° degrees from this base ranging from 12 to 35 miles. The object made five circles over Pasadena, then went off in a NNW direction. The object was sighted visually at 0415 Z, 24th March 1953. At 0412 Z the object was sighted on the radar screen at this station. It was present for about 25 seconds which did not provide time to take a picture of the blip. At 0435 Z, 24 March 1953, this station notified 745th AC & W Sq that the object was headed in their direction."

Release of weather balloons at approximately the time of the sighting from Ellington AFB, Texas.

One weather balloon was released from Ellington AFB, Texas at 0815 Z, 23 March 1953, Climbed at a rate of a 1000 ft per min and rose to approximately 52,000 ft. At 0845 Z the second balloon was released and climbed at the rate of 1000 ft per min.

This is the track of the two Weather balloons

From surface to 5,000 ft track was SW due to NE wind at 10 Knots. From 5,000 to 10,000 ft track was NW due to SW wind at 40 Knots. From 10,000 ft to 18,000 ft track was NW due to SE wind at 50 Knots
From 18000 ft to 23,000 ft track was NW due to SE wind at 80 Knots.

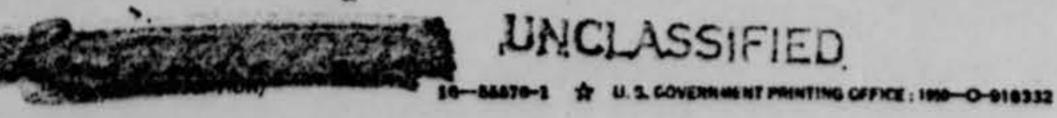
Weather balloons released after dark carry a 6 volt battery, which powers a small while light. This cannot be seen with the naked eye above approximately 12,000 feet. A picture inclosed which shows a weather balloon shortly after release. There are no facilities at this station to take photographs after dark.

Visual observation of weather balloons ascensions has disclosed that the suspended radiosonde osciletes considerably in rough air. Since the radiosonde is lighted at night it is considered possible that this oscilation might be misconstrued as the orbited movement of an unknown aerial object.

DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS. DOD DIR 5200.10

NOTE: THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U. S. C.—
31 AND 32, AS AMENDED. 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.



AF FORM 112-PART II



UNCLASSIFIED

AIR INTELLIGENCE INFORMATION REPORT

FROM ("Leency)	REPORT NO.					
74.7th AC & W Sq		PAGE	3	OF	7	igk s

The statement of T/Sgt. Patrick D. Liggett, AF 17096050, Ac & W Supervisor, at this station, is as follows:

On the night of march 23,1953 at approximatley 04102, I observed a strange object which was over Pasadena, Texas at the time of the sighting it was a constant light moving in a large circle over the city. The object seemed to be the same dull red color at all time's and didnot change. The estimated speed was 300 to 350 knots at 45,000ft, The object seemed to move left and then to the right. We at this station picked-up object on our scope, the object was on on the scope for three (3) sweeps at 6 RFm. with the antenna tilt at 200 it was about the same size as any plip at that range, The Object was heading north at 12 miles.

PATRIUM D. LIGGETT
T/SUT USAR
AF. 170960050.
AU &B Supervisor.

Statement of Leonard Duresea, A/3c, Air Police Section, 747th AC & W Squadron.

On the 23 March 1953 between the hours of 2030 and 2200 while on duty at the Cate House, I noticed in the sky Northwest of the site, an object oval in shape that gave off light the color of a star. I could not identify the object, but it resembled somewhat a happening that occured approximately five nights before; however on the first night the object possessed more characteristics. The object traveled at an unstable rate of speed and the light flashed on and off. It seemed to stop at scattered intervals and it could not be traced after entering a path of light given off by a search light.

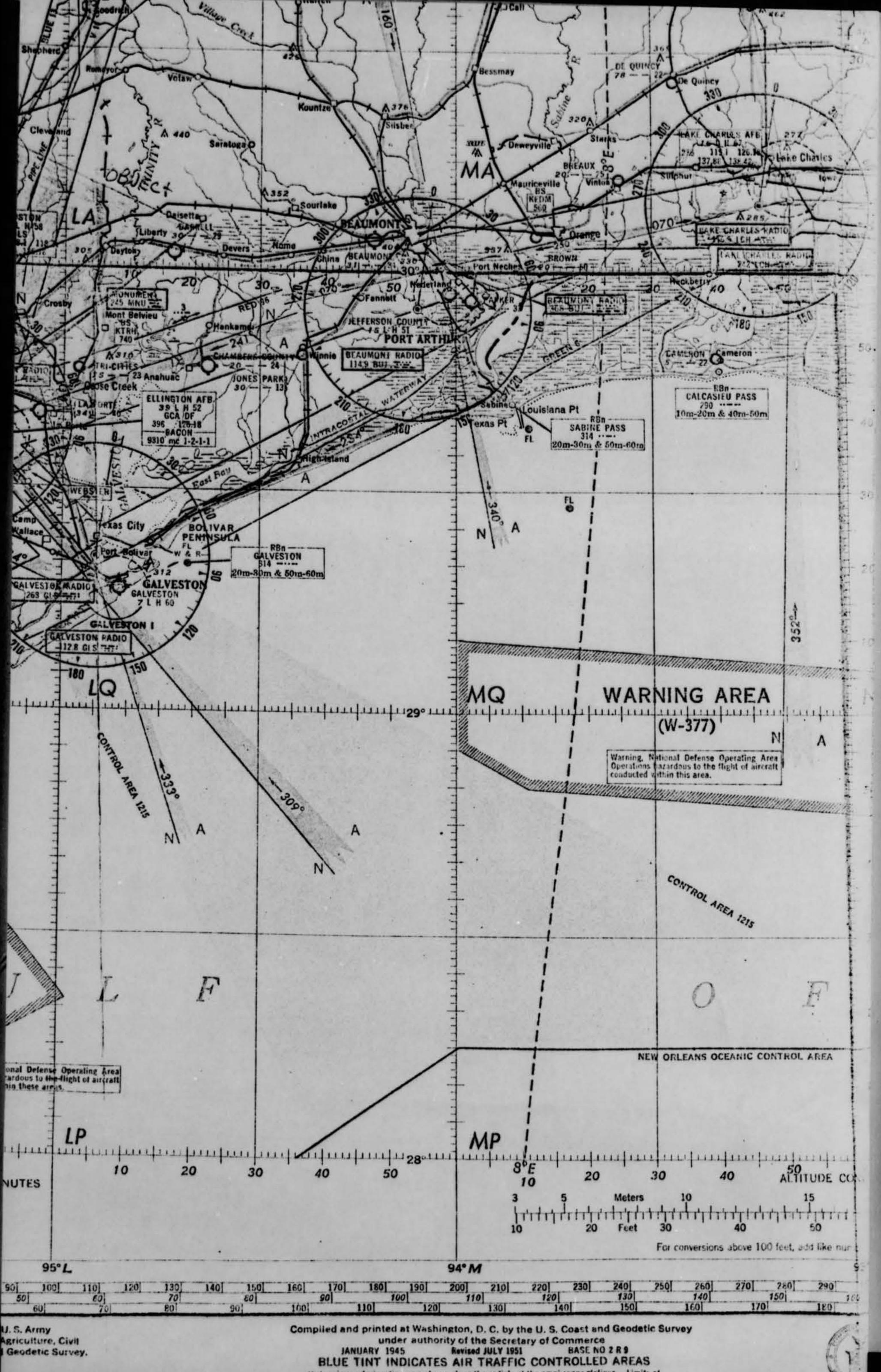
The happenings that occurred on the first night I could not accredit to any source. The happenings that occurred on the 23 March I supposed to be the result of the weather station behind the site.

LEONARD DURESEA JR A/3c; AF-18 419 404

Air Policeman

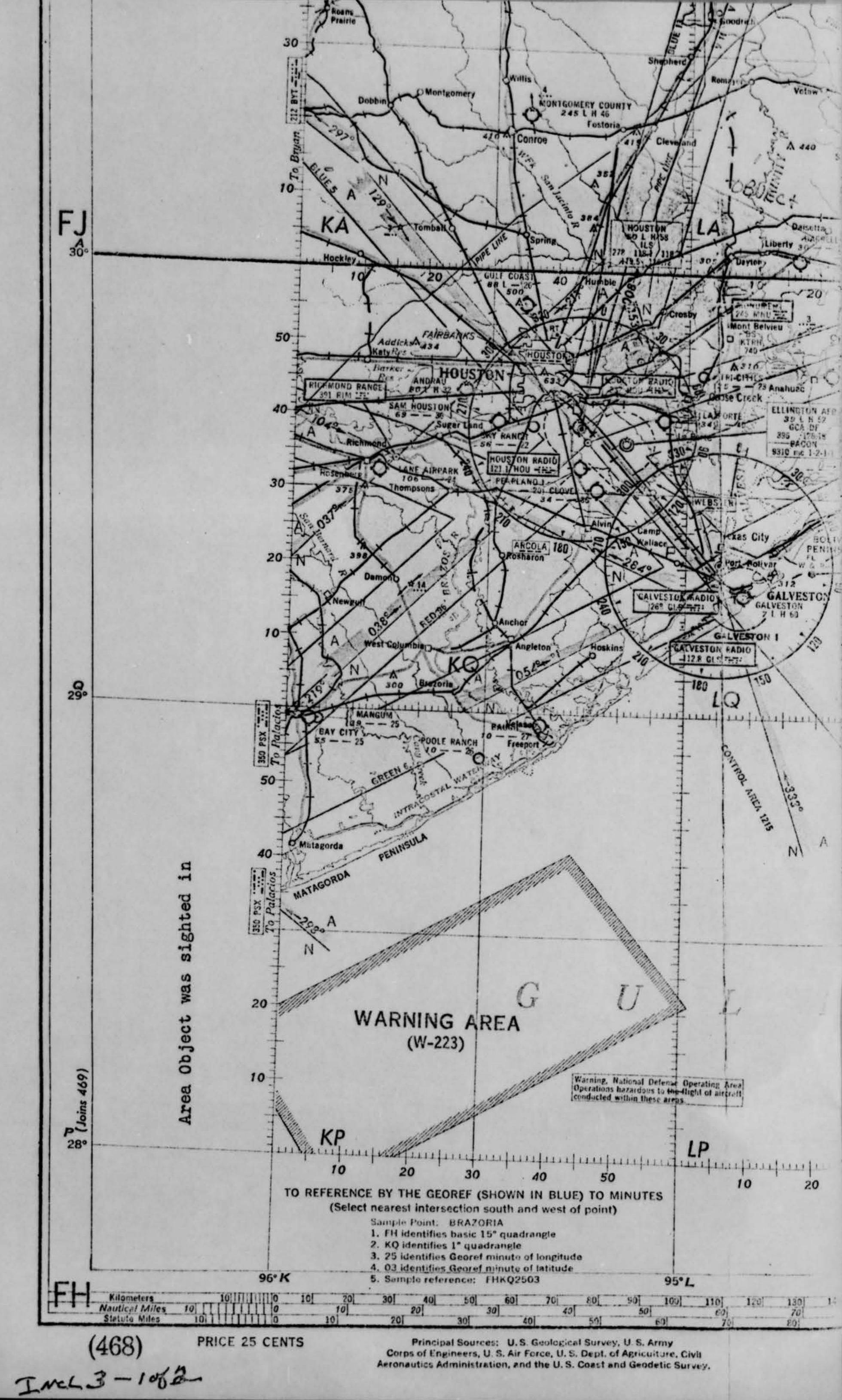
DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS. DOD DIR 5200.10

UNCLASSIFIED



U. S. Army Agriculture, Civil Geodetic Survey.

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.



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)

- I. 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 zero nautical 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.

marks:	3
	*
	7.5
	* 1

STAPLE HERE

STAPLE HERE

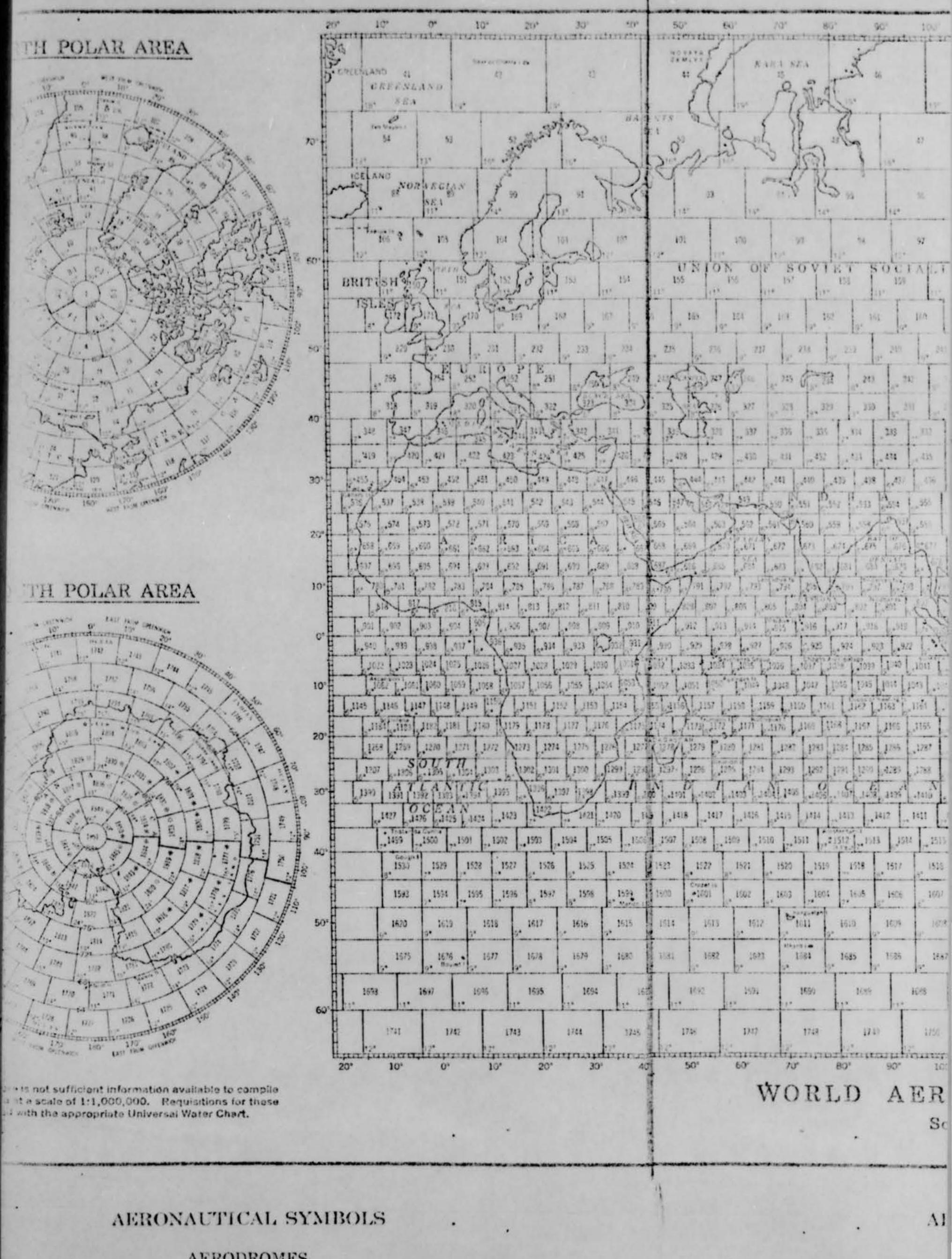
*Indicates to

charts in the

LATE

FROM

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



AERODROMES

with facilities

WATER

Civil

Joint Civil and Military

Military

AERODROME DATA
AND LANDING FACILITIES INFORMATION

LAND

WATER

0 Landing Area

WATER

LAND

Aerodromes with emergency or no facilities

Sheltered Anchorage

as tower frequencies, r Methods of indicating specific voice and CW cut Radio Range (With voice) Radio Range. (Without voice) Nondirectional Radiobeacon O

All radio facility data

Nondirectional Radiobeacon (Without voice)

(With volce)

