



NOTES TO USERS OF THIS CHART:
You are urged to read the information on this chart
carefully before using it. When practicing, such information should be
indicated clearly and accurately on the chart (in replacement only) by reference.
Mail to the DIRECTOR, U.S. COAST AND GEODETIC SURVEY, WASHINGTON 25, D.C.

SCALE 1:1,000,000
CAUTION
The reliability of information on this
chart, especially the Mexican area, is questionable
and elevations should be used with caution.
GEODETIC 5-3

29TH EDITION Aeronautical information on this chart
includes data current through Dec. 18, 1959
except aeronautical NOTAMS and Radio Facility Charts for
complemental data and current information.
Next edition is scheduled to be approximately one year.

AERONAUTICAL CHART SUPPLY

The World Aeronautical Charts covering Continental United States are revised at twelve-month periods. Chart users are advised to check the last Index of Latest Prints on display with authorized agency.

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. 97-8)

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

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

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

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

RADIOTELEGRAPH CODE AND PHONETIC ALPHABET

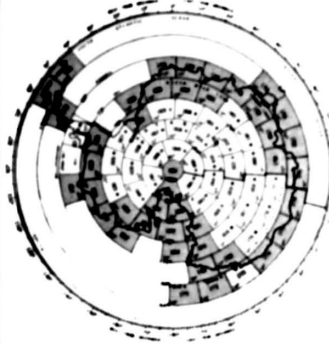
INTERNATIONAL (ICAO)

A—ALFA	Q—QUEBEC	U—UNIFORM	0—ZERO
B—BRAVO	R—ROMEO	V—VICTOR	1—ONE
C—CHARLIE	S—SIERRA	W—WHISKEY	2—TWO
D—DELTA	T—TANGO	X—RAY	3—THREE
E—ECHO	Y—YANKEE	Z—ZULU	4—FOUR
F—FOXTROT			5—FIVE
G—GOLF			6—SIX
H—HOTEL			7—SEVEN
I—INDIA			8—EIGHT
J—JULIETT			9—NINE

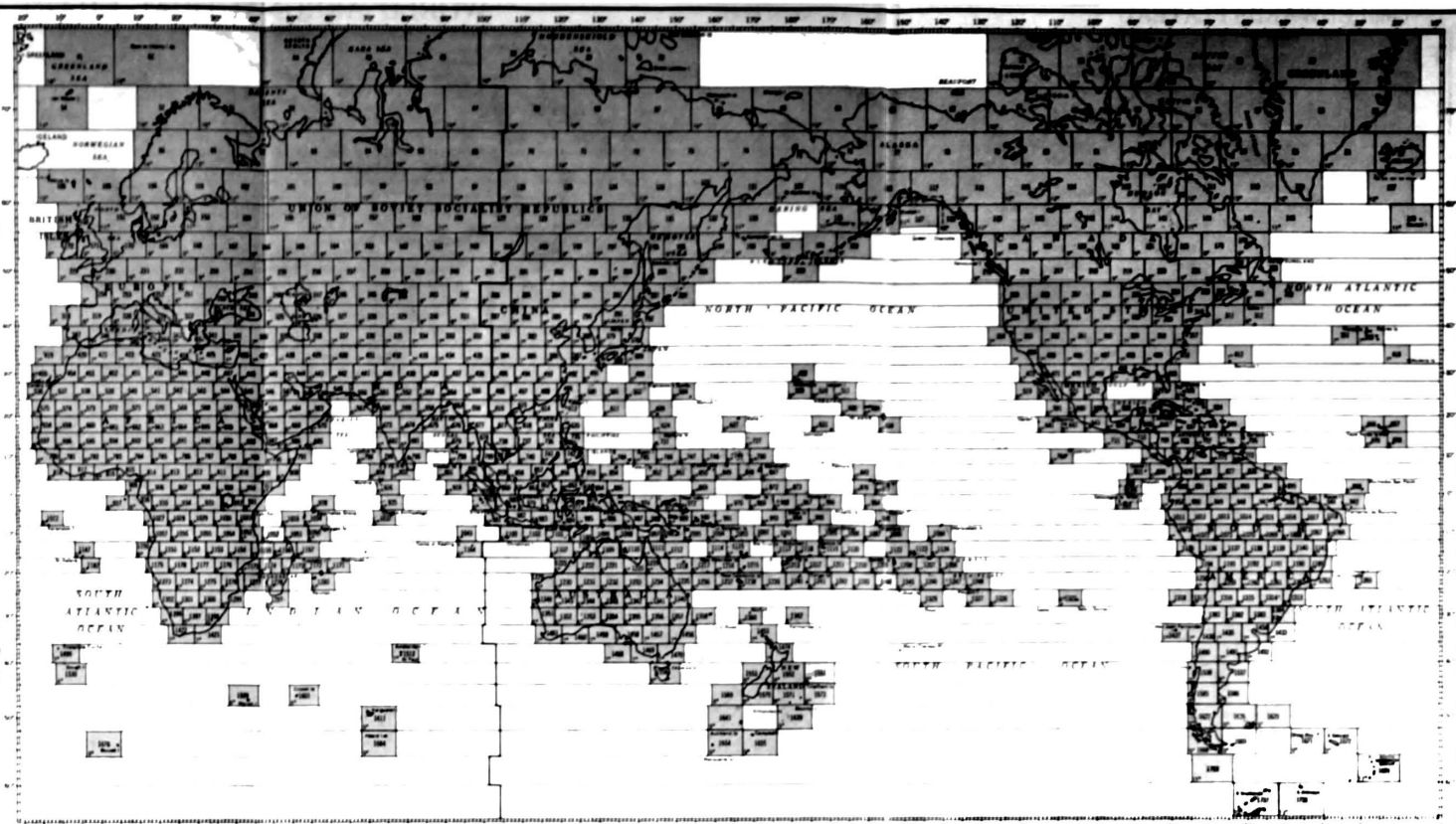
NORTH POLAR AREA



SOUTH POLAR AREA



Modifications that there is not sufficient information available to complete charts in this area at a scale of 1:1,000,000. Maps shown in this area charts are not fitted with the appropriate Universal Water Chart.



WORLD AERONAUTICAL CHART INDEX

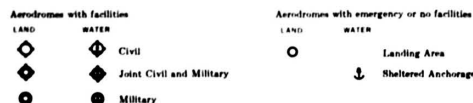
Scale of Series 1:1,000,000

Charts published

UNIVERSAL WATER CHARTS

AERONAUTICAL SYMBOLS

AERODROMES



AERODROME DATA AND LANDING FACILITIES INFORMATION

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

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

LAND	WATER
Aerodrome with facilities	Aerodrome with emergency or no facilities
Civil	Landing Area
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AIR NAVIGATION LIGHTS

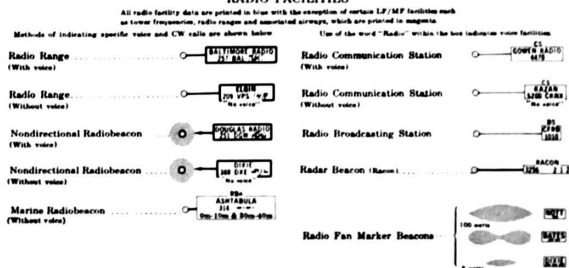
Rotating Light	Flashing Light (Wink code)
Rotating Light (With flashing code light)	Lightship
Flashing Light (With warning light and side marker)	Marine Light
Flashing Light	

MISCELLANEOUS

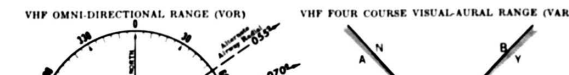
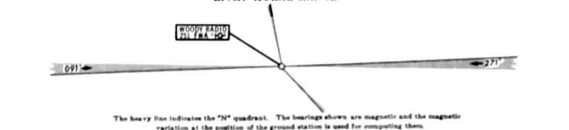
Obstruction, less than 500 feet above ground	Reporting Point (Compulsory)
Obstruction, 500 feet or higher above ground	Reporting Point (Non-compulsory)
Prohibited Transmission Line	Ocean Station Vessel (Normal position)
Moorings Mast	International Boundary
Isolated Line	Restricted areas are numbered, and are indicated on the charts as follows:
Prohibited Area — Flight of aircraft prohibited except by specific authority of using agency	
Restricted or Warning Area — Inevitable hazards to air navigation	
Caution Area — Visible hazards to air navigation	

AERONAUTICAL SYMBOLS

RADIO FACILITIES



LF/MF AURAL RANGE



AIR TRAFFIC CONTROL



TOPOGRAPHICAL SYMBOLS

CITIES AND TOWNS	HIGHWAYS AND ROADS
Metropolitan Areas	Dual Lane and Super Highways
Large Cities	Primary Roads
Cities	Secondary Roads
Small Cities	Trails
Large Towns	U. S. Road Markers
Towns & Villages	National, State or Provincial Road Markers
	Road Names

RELIEF FEATURES

Contours	Relieve
Leaves or Embankments	Approximate
Bluffs, Cliffs & Escarpments	Depression
	Swamp & Marshes
	Tidal Flats
	Danger Line
	Rocks Aweigh
	Shoals
	Springs
	Wells & Water Holes
	Reefs, Coral & Rocky Ledges

HYDROGRAPHIC FEATURES

Streams & Rivers	Perennial
	Intermittent
	Probable or Unproven
	Shaded
Intermittent Lakes (blue stippled)	
Drainage Ditches	
Canals	
Dry Lake Beds (brown stippled)	
Sand Deposits in river bed	
Dry Washes (brown stippled)	
Glaciers and Ice Caps	

CULTURAL AND MISCELLANEOUS

Landmarks (with appropriate note)	Boundaries
Oil Tanks	State & Provincial
Oil Fields	
Dams	
Elevations (in feet)	
Mines and Quarries	
Mountain Passes	
Lookout Stations (indicated in base of tower)	
Coast Guard Stations	
Pipe Lines	
Race Tracks or Stadiums	
Stranded Wrecks	

U. S. PROHIBITED, RESTRICTED, CAUTION, AND WARNING AREAS ON WORLD AERONAUTICAL CHART 469

NO.	NAME	ACTIVITY	CONTROLLING AGENCY	ALTITUDE	TIME
1-111	Fort Worth	High Altitude Training	U.S. Army Air Corps	10,000	12-14-49
2-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
3-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
4-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
5-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
6-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
7-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
8-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
9-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49
10-111	Madison	Low Altitude Training	U.S. Army Air Corps	10,000	12-14-49