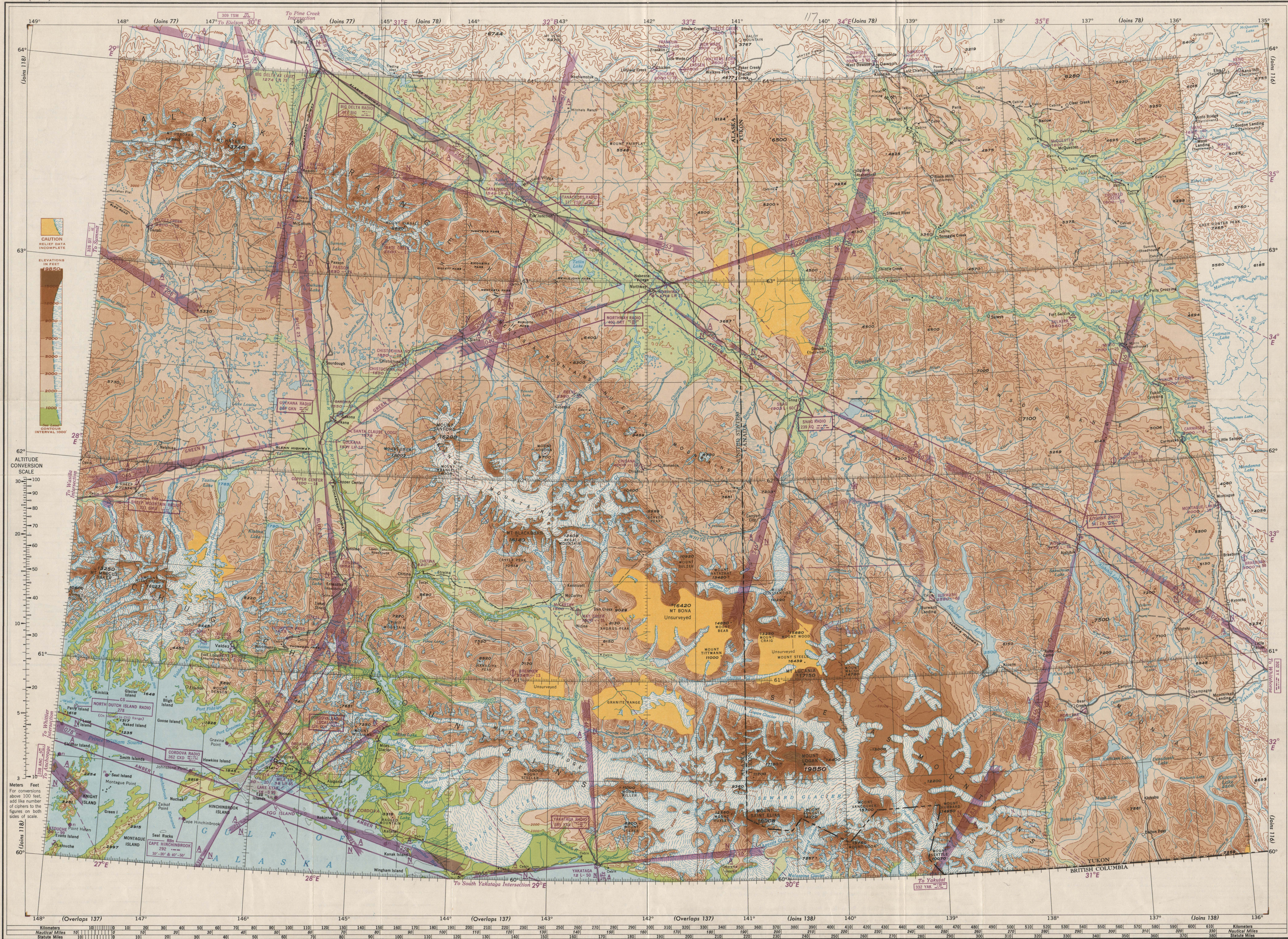




AERONAUTICAL SYMBOLS

AERODROMES

LANDPLANE SEAPLANE

MILITARY BASE
CIVIL
JOINT CIVIL AND MILITARY BASE

AIRFIELDS OR SEAPLANE PORTS - LIMITED FACILITIES

MILITARY
CIVIL
JOINT CIVIL AND MILITARY

LANDING STRIP OR SHELTERED ANCHORAGE
LANDING AREA OR EMERGENCY ANCHORAGE

LIMITED OR NO FACILITIES
LIMITED OR NO FACILITIES OR INFORMATION THEREON NOT COMPLETE

AERODROME DATA

LANDPLANE SEAPLANE

13 ELEVATION IN FEET
L MINIMUM LIGHTING
H HARD SURFACED RUNWAY
46 LENGTH OF LONGEST RUNWAY TO NEAREST HUNDRED FEET

00 ELEVATION IN FEET (SEA LEVEL)
L MINIMUM LIGHTING
S NORMALLY SHELTERED TAKE-OFF AREA
62 LENGTH OF LONGEST RUNWAY TO NEAREST HUNDRED FEET

GCA SYSTEM - GROUND CONTROL APPROACH SYSTEM, OTHER CONTROLLED APPROACH SYSTEMS BY APPROPRIATE SYMBOL

WHEN SPECIFIC INFORMATION PERTAINING TO LANDING FACILITY DATA IS LACKING, THE RESPECTIVE CHARACTER WILL BE REPLACED BY A DASH (-)

AIR NAVIGATION LIGHTS

ROTATING LIGHT (NUMERALS IN ITALICS INDICATE ELEVATION ABOVE MEAN SEA LEVEL)

FLASHING LIGHT (WITH CODE)

OBSTRUCTION LIGHT

MARINE LIGHT

LIGHTSHIP

MARINE LIGHT CHARACTERISTICS

Fixed Flashing - Occulting - Alternating - Group - Flash - White - Green - Blue - (Unwatched) - SEC - Sector - Second

Marine alternating lights are red and white unless otherwise indicated.

Marine lights are white unless colors are stated.

RADIO FACILITIES

USE OF THE WORD "RADIO" WITHIN THE BOX INDICATES VOICE FACILITIES

RADIO RANGE (WITH VOICE)

WOODY RADIO 251 AB 477

RADIO COMMUNICATION STATION (WITHOUT VOICE)

CS KAZAN 5200 WYVW

RADIO RANGE (WITHOUT VOICE)

WILLOW RANGE 320 KB 117

RADIO BROADCASTING STATION

BS WOL 600

MARINE RADIO BEACON (WITHOUT VOICE)

RBH EVERETT 251 AB 477

RADIO FAN MARKER BEACON

EVERETT

RADIO DIRECTION FINDER (WITH VOICE)

DF MANUA RADIO 10 VFW

RADIO BEACON, NON-DIRECTIONAL (HOIING)

EASTON

RADIO COMMUNICATION STATION (WITH VOICE)

CS GOWER RADIO 4765

REPORTING POINT

BRANT

AURAL RANGE

32000
10000
10000

021°

277°

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.

MISCELLANEOUS

MOORING MAST

VISUAL GROUND SIGN

AIR MARKER - C

DIRIGIBLE BASE

TOWN HAVING VISUAL GROUND SIGN - HOUSTON

OCEAN STATION VESSEL (NORMAL POSITION)

PROMINENT TRANSMISSION LINE

LIGHTED OBSTRUCTION

ISOSONIC LINE OR ISOSONAL

8°E

OBSTRUCTION (NUMERALS IN ITALICS INDICATE ELEVATION ABOVE SEA LEVEL OF TOP WHERE REQUIRED, HEIGHTS ABOVE GROUND SHALL BE ADDED IN UPRIGHT TYPE WITHIN PARENTHESES)

1108 (1259)

CIVIL AIRWAY LIMIT OF

GREEN S

(TRAFFIC CONTROLLED) (TRAFFIC UNCONTROLLED)

PROHIBITED AREA

CONTROL ZONE

DANGER OR RESTRICTED AREA

CONTROL ZONE

CAUTION AREA

CONTROL ZONE

HIGH EXPLOSIVES AREA (MARKED)

HIGH EXPLOSIVES AREA (UNMARKED)

INTERNATIONAL BOUNDARY CLOSED TO PASSAGE OF AIRCRAFT EXCEPT THROUGH AIR CORRIDOR

GROUND TO AIR EMERGENCY CODE DISTRESS SIGNALS

REQUIRE DOCTOR, SERIOUS INJURIES

REQUIRE MEDICAL SUPPLIES

UNABLE TO PROCEED

REQUIRE FOOD AND WATER

REQUIRE FIREARMS AND AMMUNITION

REQUIRE MAP AND COMPASS

REQUIRE SIGNAL LAMP WITH BATTERY, AND RADIO

AM PROCEEDING IN THIS DIRECTION

WILL ATTEMPT TAKE-OFF

AIRCRAFT SERIOUSLY DAMAGED

PROBABLY SAFE TO LAND HERE IF IN DOUBT, USE INTERNATIONAL

REQUIRE FUEL AND OIL

ALL WELL

NO

YES

NOT UNDERSTOOD

REQUIRE MECHANIC

LL

N

Y

JL

W

INSTRUCTIONS:

1. Lay out symbols by using strips of fabric or parachutes, pieces of wood, stone, or any available material.

2. Provide as much contrast as possible between material used for symbols and background against which symbols are exposed.

3. Symbols should be at least 10 feet high or larger, if possible. Care should be taken to lay out symbols exactly as shown to avoid confusion with other symbols.

4. In addition to using symbols, every effort is to be made to attract attention by means of radio, flares, smoke, or other available means.

5. When ground is covered with snow, signals can be made by dragging, shoveling or tramping the snow. The depressed areas forming the symbols will appear to be black from the air.

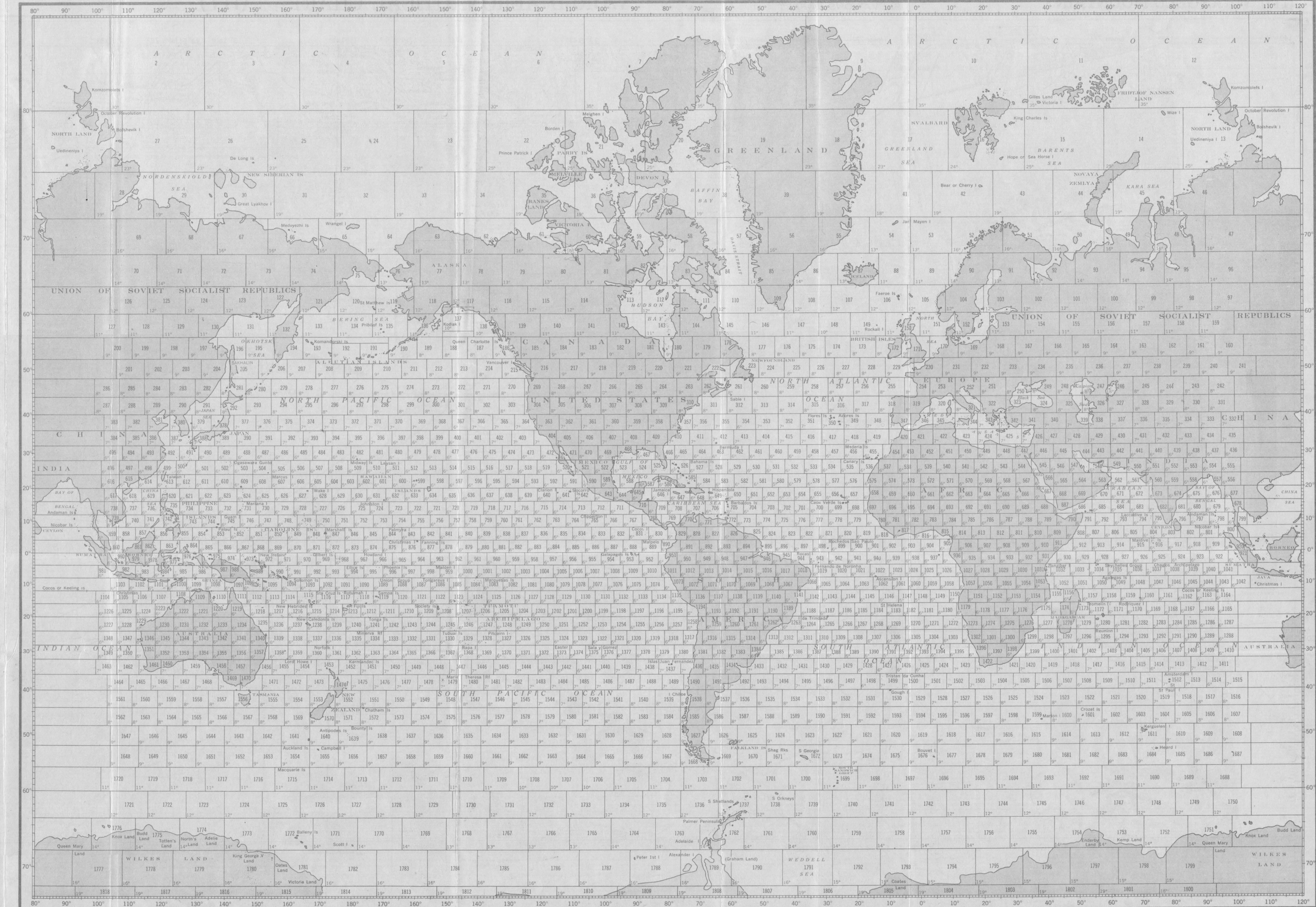
6. Pilot should acknowledge message by rocking wings from side to side.

Scale 1:1,000,000 or 1 inch=15.8 miles

0 20 40 60 80 Kilometers

0 10 20 30 40 50 60 Nautical Miles

0 10 20 30 40 50 60 70 80 Miles



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000

CIVIL CHART SUPPLY

Authorized agents for the sale of aeronautical charts have been appointed at certain airports throughout the United States for the distribution of aeronautical charts. A list of these agents, with the dates of latest prints of charts, will be printed from time to time in Notices to Airmen. This information may also be obtained from the Director, U. S. Coast and Geodetic Survey.

Requests for charts may also be made to the Director, U. S. Coast and Geodetic Survey, Washington 25, D. C., or to authorized dealers.

A discount of 33-1/3% from full published prices is allowed on aeronautical and auxiliary charts amounting to \$10 gross when made in one shipment to one address. Charts are not returnable.

MILITARY CHART SUPPLY

(Ref: AAF Ref. 65-82, dated 26 Apr. 1944)

- Aeronautical charts, maps and publications distributed by Aeronautical Chart Service are indexed or listed in the current edition of the AF "Catalog of Aeronautical Charts and Related Publications." Miscellaneous maps and charts not appearing in the Catalog will be procured and furnished by Aeronautical Chart Service through special order, when sufficiently identified in requisitions as to name or number, scale, projection, and publisher if known.
- Requisitioning.
 - Outside Continental United States:
 - AF activities are to submit requisitions to the supply facility designated by the Theater Commander for maintenance and distribution of aeronautical charts and maps.
 - Theater supply facilities are to submit requisitions for replenishment of stocks of aeronautical charts and maps through channels to Headquarters AF, Aeronautical Chart Service, Washington, D. C.
 - Within Continental United States: Requisitions from AF activities within Continental United States are to be submitted to appropriate Regional Store as shown on Aeronautical Chart Supply System Diagram in AF Aeronautical Chart Catalog. 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.
- Obsolete Charts.
 - Aeronautical charts rendered obsolete-for-air by a revised 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 AR 380-5.

DRAINAGE FEATURES

SHORE LINES (RELIABLE & UNRELIABLE)

MUD & TIDAL FLATS

CORAL REEFS & LEDGES

SHOALS & SAND BARS

CHARTED ROCK

DANGER LINES

RIVERS & LAKE (PERMANENT)

RIVERS & LAKE (NON-PERMANENT)

RIVERS & STREAMS (UNRELIABLE)

RAPIDS & FALLS

WASH (BLUE AND BROWN)

CANALS

ABANDONED CANAL

TUNNEL (CANAL)

DRY LAKE BED (BLUE AND BROWN)

RELIEF FEATURES

CONTOURS

APPROXIMATE CONTOURS

HACHURES

BLUFF, CLIFF OR ESCARPMENT

LAVA FLOW

CULTURAL FEATURES

PROMINENT LANDMARKS (WITH APPROPRIATE NOTE)

OIL TANKS

OIL FIELD

MINE

LOOKOUT TOWER

RANGER STATION

COAST GUARD STATION

RACE TRACK OR STADIUM

DAMS

PIPE LINE

BOUNDARY (INTERNATIONAL)

BOUNDARY (STATE)

OVERPASS (RAILROAD)

UNDERPASS (RAILROAD)

BRIDGE (RAILROAD)

TUNNEL (RAILROAD)

LAKES (PERMANENT & NON-PERMANENT)

GLACIER

SALT PANS (EVAPORATION)

RICE FIELD

SWAMP

SPRING WELL WATER HOLE RESERVOIR

RAILROAD (SINGLE TRACK)

RAILROAD (MULTIPLE TRACKS)

RAILROAD (ABANDONED)

HIGHWAY (DUAL LANE)

HIGHWAY (MAIN ROUTE)

HIGHWAY (SECONDARY ROUTE)

TRAIL

BRIDGE (HIGHWAY)

TUNNEL (HIGHWAY)