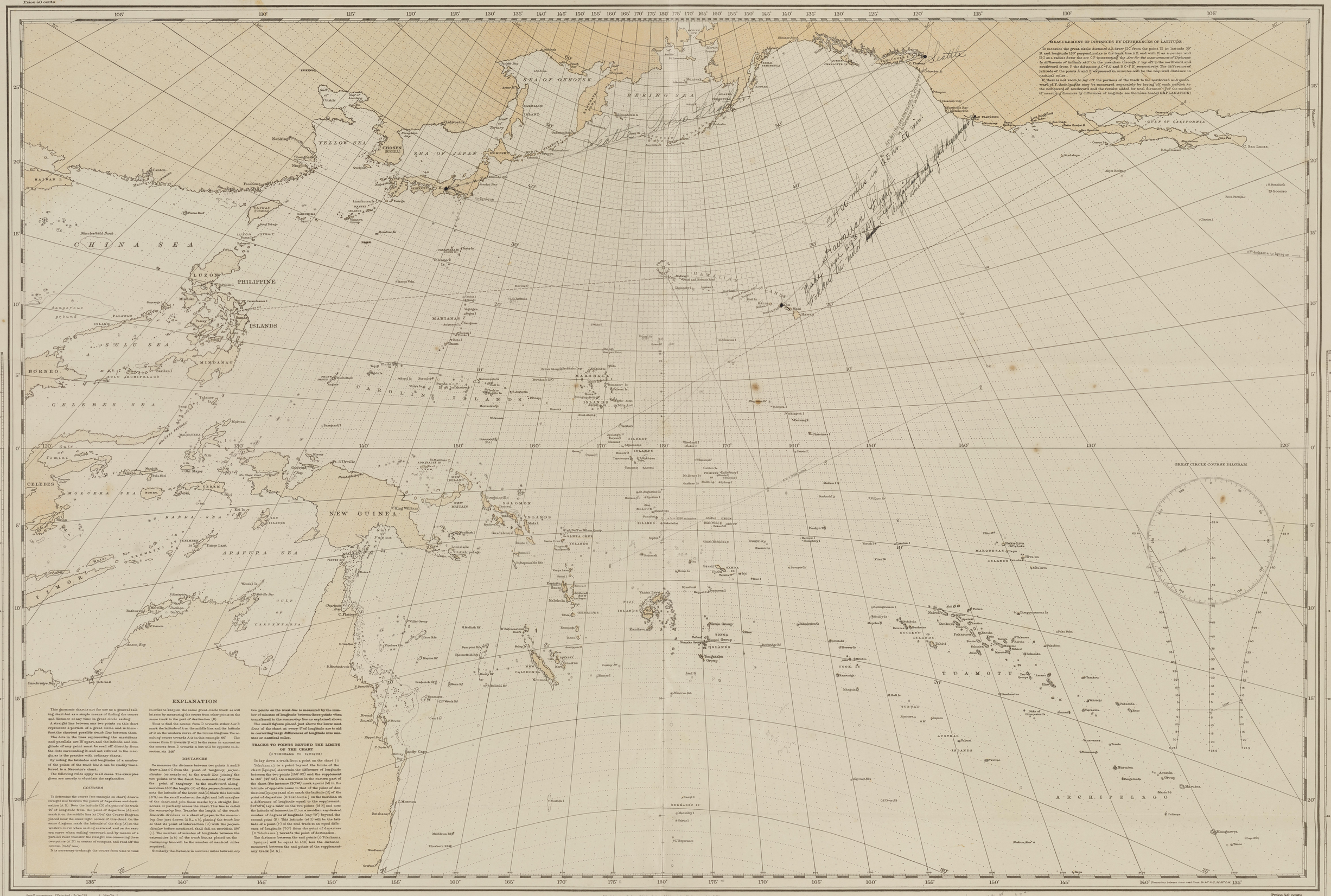
No.1282

Price 40 cents

GREAT CIRCLE SAILING CHART OF THE NORTH PACIFIC OCEAN



Small corrections [Printed: July '23 from Notices to Mariners [T23-3175]-4,35,15 from other sources. V23

May '24 4.5c V24

[T24-28.41.

Washington, D.C., published Aug., 1891, at the Hydrographic Office, under the authority of the SECRETARY OF THE NAVY.

EDITION: 36th, July 1922

Price 40 cents

No.1282

SUPPLEMENTARY METHOD FOR FINDING COURSES

(Table A)

LATITUDE

DIFF. LONG.	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	DIFF. LONG.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	10
20	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	30
40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	50
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	60
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	70
80	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	80
90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	90
100	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	100
110	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	110
120	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	120
130	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	130
140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	140
150	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	150
160	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	160
170	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	170
180	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	180

(See Table A)

LATITUDE

Diff. Long.	15°	16°	17°	18°	19°	20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	30°	Diff. Long. h. m.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	VI 00
87	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
84	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
81	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
78	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
75	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	V 00
72	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
69	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
66	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
63	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	IV 00
57	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
54	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
51	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
48	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
45	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	III 00
42	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
39	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
36	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
33	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	II 00
27	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
24	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
21	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
18	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
15	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	I 00
12	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
9	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
6	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
3	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	I 00

LATITUDE

Diff. Long.	30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	40°	41°	42°	43°	44°	45°	Diff. Long. h. m.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	VI 00
87	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
84	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
81	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
78	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
75	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	V 00
72	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
69	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
66	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
63	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	IV 00
57	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
54	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
51	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
48	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
45	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	III 00
42	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
39	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
36	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
33	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	II 00
27	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
24	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
21	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
18	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
15	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	I 00
12	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
9	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
6	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
3	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	I 00

LATITUDE

Diff. Long.	45°	46°	47°	48°	49°	50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	60°	Diff. Long. h. m.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	VI 00
87	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
84	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
81	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
78	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
75	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	V 00
72	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
69	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
66	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
63	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	IV 00
57	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
54	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
51	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
48	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	40
45	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	III 00
42	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
39	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
36	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
33	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	II 00
27	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
24	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
21	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
18	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
15	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	I 00
12	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
9	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
6	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
3	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	I 00

RULES.

Draw a straight line between the points of departure and destination (QR), and produce this line until it intersects the Equator (and if the line produced does not intersect the Equator within the limits of the chart, as in the case presented of the great circle track between Midway I. and San Bernardino Str. plot the latitude of the point of departure on any colatid meridian (Sk) and the latitude of the point of destination on a meridian (J) whose difference of longitude from the selected meridian is equal to the difference of longitude between the points of departure and destination, and hence connect Q and J by a straight line, produce the line until it intersects the Equator. Note the difference of longitude between the intersection thus found on the Equator and the selected meridian on which the latitude of the point of departure is plotted, and, in the marginal tables, opposite the difference of longitude, if less than 90°, and under the latitude of the point of departure, will be found the true bearing toward the intersection of the track with the Equator, reckoned from the North Pole in north latitude and from the South Pole in south latitude through 180° toward the eastward or westward according as the intersection of the track with the Equator lies to the eastward or westward of the meridian on which the latitude of the point of departure has been plotted. If the difference of longitude is greater than 90°, enter the marginal tables with the remainder obtained by subtracting it from 180° and the true bearing obtained by subtracting the tabulated quantity from 180 will give the true bearing toward the intersection of the track with the Equator.

If the intersection with the Equator is on the same side of the point of departure as the destination, then the true bearing thus found from the tables will be the true course to be steered; but if the intersection with the Equator and the point of destination are on the opposite sides of the point of departure, this quantity subtracted from 180° will give the course to be steered.

If the point of departure is on the Equator, extend the track line until it passes tangent to a parallel of latitude, this will be the latitude of the vertex of the great-circle, and the remainder found by subtracting it from 90° will give the course to be steered.

(The selected meridian of S. instead of being chosen on this chart, may be taken on any one of the series of Great Circle Sailing Charts of the several oceans.)

400CT-4'24
HYDROGRAPHIC OFFICE
NAVY DEPARTMENT

FOR SALE BY
Lowman & Hanford Co.
FIRST AVENUE AND CHERRY STREET
SEATTLE