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MAP OF THE ANTARCTIC

compiled by

THE AMERICAN GEOGRAPHICAL SOCIETY OF NEW YORK

from the maps accompanying the published results of scientific expeditions

In 4 Sheets

Stereographic Projection Scale in latitude 71° 1:3,000,000

Kilometers 50 0 50 100 150 200 250 300 350 400

Statute miles 25 0 25 50 75 100 125 150 175 200 225 250

Ice Forms
- Inland ice
- Glaciers
- Shelf ice
- Pack ice

Relief (Elevations and depths in meters)

conjectural ——1000 Generalized contours, or form lines (only in a few areas where detailed surveys have been made, such as the McMurdo Sound region, are the contours other than approximate)

200 500 1000 2000 Sea bed contours (both height and depth contours are drawn at 200, 500, 1000, 2000 etc. meters)

Elevations { determined / estimated

2000 4379 Soundings with no bottom

The wind roses on the margin show direction and velocity for the periods indicated. Direction is concentrated on the 16 points of the compass N, NNE, NE, ENE, etc., with true north at the top. The arrows fly with the wind. The length of the arrows measured from the center of the circle is proportional to the frequency of wind direction. The number of feathers on a given arrow shows the average force of the wind from that direction and corresponds to the values of the Beaufort scale. The figures in the circles indicate the percentage of calms.

The lines of equal magnetic variation are for the epoch 1927.0 and are approximate only. They are derived from the South Polar inset map on British Admiralty chart [illegible] of 1927, with the addition of two interpolated 10° lines in each 30° interval from 60°E via 180° to 60°W and of all 5° lines except from 50°E via 180° to 60°W

SHEET 4
PACIFIC QUADRANT

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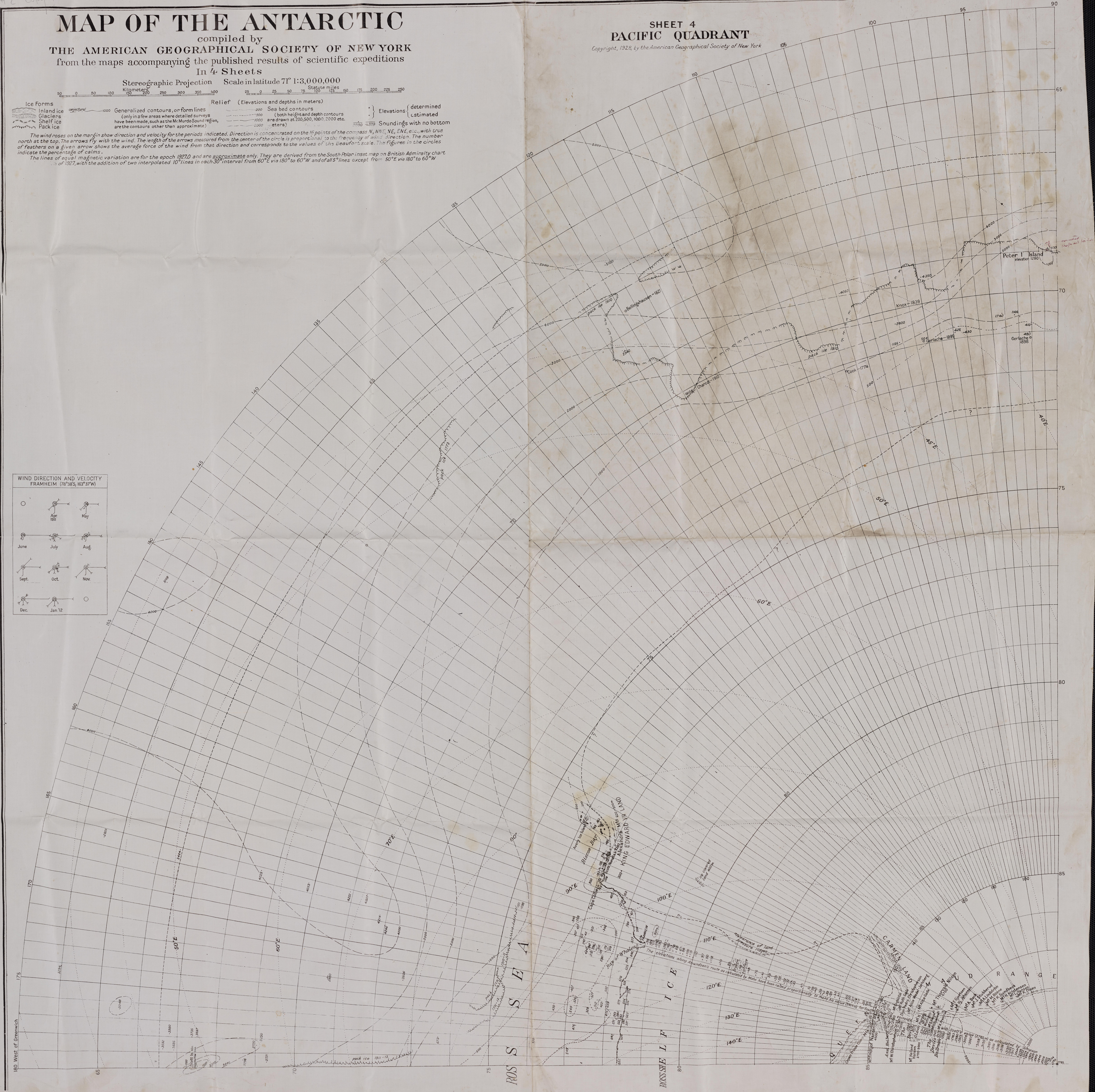
WIND DIRECTION AND VELOCITY
FRAMHEIM (78°38'S, 163°37'W)
Apr. 1911
May
June
July
Aug.
Sept.
Oct.
Nov.
Dec.
Jan. '12
19
36
29
18
26
16
13
12
20
23
Peter I Island
elevation 1280
corrected shape and position
Knox-1839
Gerlache-1899
Gerlache 1898
Cook-1774
Charcot-1910
Bellingshausen-1821
pack ice 1910
pack ice 1773
pack ice 1911-12
40°E
45°E
50°E
60°E
70°E
90°E
100°E
110°E
120°E
130°E
140°E
KING EDWARD VII LAND
Alexandra Mts
Scott Nunatak
Biscoe Bay
Avery Ice Island
Cape Colbeck
Bay of Whales
FRAMHEIM
ice covered land 400 m
appearance of land pressure ridges
broken surface
The elevations along Amundsen's route as calculated by Mohn have been raised proportionately to make his value (2454 m) for South Pole coincide with Scott's value (2765 m) as calculated by Simpson
ROSS SEA
ROSS SHELF ICE
CARMEN LAND
QUEEN MAUD RANGE
Crown Prince Olav Mts
Mt Fridtjof Nansen 4500
Axel Heiberg Glacier
Mt W. Christopherson
Mt Don Pedro Christopherson
Mt Ruth Gade
Mt Alice Wedel-Jarlsberg
Mt Alice Gade
Mt Thorvald Nilsen 4700
Mt Helland Hansen 2700-3000
The Devil's Gl.
The Devil's Ballroom
Mt H. Hansen
Mt O. Wisting
Mt S. Hassel
Mt O. Bjaaland
Mt K. Prestrud
Mt F. Gjertsen
Mt Hj. Johansen
Mt A. Beck
Mt J. Stubberud
Mt A. Lindstrom
Mt M. Rönne
Mt K. Sundbeck
Mt H. Kristensen
Mt L. Hansen
Mt K. Olsen
180 West of Greenwich
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
2765