



ISOMAGNETIC LINES (absolute total field)

500 gammas . . . . .

100 gammas . . . . .

50 gammas . . . . .

Magnetic depression . . . . .

Ship's track and bathymetric contours

in feet below sea-level . . . . .

MAP 4824G

**SCOTIAN SHELF**

10 <sup>L</sup>/<sub>12</sub>

Scale: One Inch = One Mile =  $\frac{1}{63,360}$  Miles

The ship magnetometer survey was conducted between May and Oct 1962, using a direct-reading proton free-precession magnetometer. The ship's position was controlled by Nova Scotia Decca Chain 7. The survey and subsequent compilation were carried out by personnel from the Geophysics Division, Geological Survey of Canada. Drafting by Spartan Air Services Ltd.

The magnetic contours drawn in red and bathymetric contours shown in grey were compiled from data recorded along the ship's track which is indicated by cross-ticks on the bathymetric contour. The bathymetric contours given in feet are obtained from echo-sounding records and depth calculations have been made assuming a velocity of sound in sea-water of 4,800 feet per second. The echo-sounding equipment was installed on a CHS ship which also carried out the magnetometer survey.