PROVINCE MANITOBA

OF

DEPARTMENT ENERGY, MINES AND RESOURCES

SHEET  $62\frac{1}{14}$ AEROMAGNETIC SERIES DEPARTMENT OF MINES AND NATURAL RESOURCES GEOLOGICAL SURVEY OF CANADA 25' 20' Joins Map 4145G, "Shorncliffe" 05' TP23 RIW W RIDIAN TP23 R3 TP23 R2 W W. Framnes W W W. TP22 RIE W TP21 R4 50' TRZI RZ TP21 RIE W TP21 R3 TP20 RIW TP20 R3

ISOMAGNETIC LINES (absolute total field) 500 gammas.... 100 gammas..... 20 gammas..... 10 gammas..... Magnetic depression.....

20'

Flight lines.....

Flight altitude 1000 feet above ground level

**ARBORG** 

Joins Map 4143G, "Gimli"

MAP 4144G

MANITOBA

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

The planimetry for this map was obtained from topographical map sheets published by the Department of Energy, Mines and Resources, Ottawa.

Airborne Magnetic Survey, March 1967 to October 1968 by Spartan Air Services Ltd.

No correction has been made for regional variation.

10'

Where the survey aircraft traversed large areas of water and swamp, Doppler navigation was utilized to direct the course of the aircraft and the Doppler output was recorded on an incremental X, Y recorder for compilation purposes.

The magnetic data on this map were compiled from information recorded along the flight lines shown. The anomalies expressed by the magnetic contours are dependent on the variable magnetic intensities of the underlying rocks, and may be due to conditions near, or at unknown depths below the surface. High magnetic anomalies normally indicate the presence of basic rocks, such as diabase, gabbro, or serpentinite, which have a relatively high iron content, but in special instances may be due, or partly due, to concentrations of magnetic minerals. By means of the magnetic anomalies, various rock bodies or structural features, such as faults or folds, may be traced into, or across, areas of few or no outcrops. In many instances, however, no interpretation of particular anomalies may be possible without further geological information.

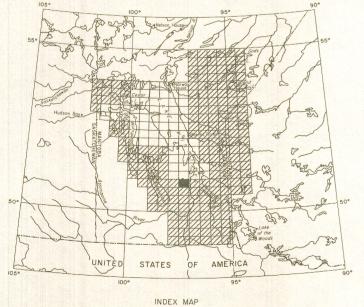
97°00′

PUBLISHED 1968

05'

GEOPHYSICS PAPER 4144 ARBORG MANITOBA

SHEET 62 1



25'

97°30′ \*