

THE ULTRABASIC BELTS CONTD.

is regarded as ranging from 57×10^{-6} to $94,000 \times 10^{-6}$ c.g.s. units, a narrower band, presumably reflecting greater concentration, should be investigated. A determination of the nature of the Chromite would be valuable. It is worth noting that the magnetic peak near Gravelly Beach could provide a more accessible comparison check.

Thus far no reference has been made to magnetite and ilmenite. It would be strange if such an extensive belt of ultrabasic rock types failed to contain either of these two minerals. In the light of available evidence however, it does not appear that either of these is likely to be of any great significance.

- (h) As a consequence of f (i), marginal and terminal E.M. anomalies of the ultrabasic belts have taken on an increased importance. This dovetails also with a general principle which has been adopted of seeking the "exceptional" anomaly, the one which does not conform with the general trend. Areas such as those near the intersection of two ultrabasic belts are also considered favourable.
- (i) It has been observed in the first report that, for most of the length of what are now termed the Modder and Spero Belts, there is faithful correlation between E.M. anomalies and magnetic anomaly peaks.

A cardinal feature now is that the NW-SE magnetic trend to the east of these belts, viz. Settlement, does not exhibit this phenomenon but rather broad, apparently random (with respect to magnetics) E.M. response. Mention should be made here of the Settlement magnetic pattern which differs markedly, especially in its greater breadth and gradient, from that characteristic of the Modder and Spero Belts. This difference is at least in part attributable to the changed direction of strike with respect to magnetic north, which conforms fairly closely with the strike direction of the Modder and Spero Belts.

Doubt was expressed in the first report (see Page 8) as to the cause of these E.M. anomalies associated with the magnetic peaks. It now appears that, whatever the ultimate origin, these E.M. anomalies are in the nature of a broad band, "total mass" or "integrated" effect and less likely to be associated with sulphide mineralization.