

geochemical implications. Two papers are on local geophysical investigations (K. Biesheuvel, Pilanesberg, p. 266-282; F. Podmore, Great Dyke of Rhodesia, p. 610-620). There is one extensive contribution on the sulphides of the Bushveld Complex (L. Liebenberg, p. 108-207), stressing in particular the mineragraphy. A paper on petrochemical comparison of the Bushveld Igneous Complex with some other mafic complexes (D.R. Bowes *et al.*, p. 425-440) contains as an unexpected bonus 30 new chemical analyses of rocks from the Bay of Islands Igneous Complex, Newfoundland. It is unfortunate that the contribution by C. Burri and P. Niggli on the petrochemical conditions of the Bushveld (in "Die jungen Eruptivgesteine des mediterranen Orogens", I, p. 370-412, Guggenbühl & Huber, Zürich, 1945) appears to have escaped the attention of the authors as it is definitely still relevant.

The approaches outlined in the contributions on "Compositional variation of plagioclases in the Critical Series, Bushveld Complex" (J. Ferguson and I.H. Wright, p. 59-66) and on "Chromite segregations as petrogenetic indica-

tors" (T.P. Thayer, p. 380-390) may be of interest in the context of the investigation of any mafic igneous complex.

A tentative interpretation of the Bushveld Complex as having formed by overlapping impact craters (W. Hamilton, p. 367-379) and discussing also a possible formation by impact of the Sudbury lopolith, seems to have generated active discussion.

Contributions based on Earth Satellite remote sensing and photography are missing — such contributions may perhaps be forthcoming before long.

The Symposium gives an overall assessment of the present stand — and trends — of the geological investigation of the Bushveld Complex and it is informative also on other ultramafic layered intrusions. It is, necessarily, heterogeneous and incomplete but this may be considered an advantage — it invites discussion and it shows up open questions.

The volume should prove a valuable acquisition for any Library emphasizing Petrology.

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