

Allen (1953, 1954, 1956). These are Hebrides tertiary tholeiites (main trend), the Southern California batholith, and the Hawaii alkali basalt series. It is evident from inspection of the analyses that the last series contains greater amounts of many trace elements than the former two. This fact is expressed concisely by the R -values, whose ranges are (respectively) 0.86–1.20, 0.61–1.39, 0.86–2.00, and whose means are 1.03, 0.86, and 1.21. The R -values in the individual series show no clear trends, however, with respect to increasing degree of differentiation.

CONCLUSIONS

The coefficient of accumulation is a quantitative descriptive index, which expresses the overall trace element of geological materials, and which may prove helpful also in resolving genetic problems. It will be more fully discussed in a forthcoming article (Shaw, in press).

REFERENCES

- MOXHAM, R. L. (1960): Minor element distribution metamorphic pyroxenes, *Can. Mineral*, **6**, 522–545.
 NOCKOLDS, S. R., & ALLEN, R. (1953): *Geo. et Cosmochim. Acta*, **4**, 105–142.
 — (1954): *idem*, **5**, 245–285.
 — (1956): *idem*, **9**, 34–77.
 SEN, N., NOCKOLDS, S. R., & ALLEN, R. (1959): *idem*, **16**, 58–78.
 SHAW, D. M. (in press): Coefficient d'accumulation des elements de traces et son application, *Sciences de la Terre, Nancy*.

THE CRYSTAL STRUCTURE OF METAROSSITE

C. H. KELSEY AND W. H. BARNES

Division of Pure Physics, National Research Council, Ottawa, Canada

Somewhere between the proofs and publication of our recent paper (Kelsey & Barnes, 1960) on the crystal structure of metarossite a few of the data disappeared from Table 4, p. 459. The first four lines in the left-hand column of this table should read

$O_1^*-V_1-O_1'$	78
$O_2-V_1-O_1'$	75
$O_1^*-V_1-O_5$	94
$O_1^*-V_1-O_6$	108

REFERENCE

- KELSEY, C. H., & BARNES, W. H. (1960): The crystal structure of metarossite, *Can. Mineral.*, **6**, 448–466.