

gests that the *a* cell dimension is more dependant on the metallic radius of the cation. Only minor variation would be predicted with substitution of other cations, perhaps a slight decrease Fe > Co > Ni, but present data are inadequate to confirm this. Unfortunately, ambiguities still remain over the assignment of a composition to the cell-size determination of Kouvo *et al.* (1964), although none of the alternative interpretations is contrary to the proposed trend in cell-size variation with composition.

Hardness data related to compositional and cell-size variations are interesting but more determinations for different orientations and compositional ranges are required. Although Clark advocates hardness determinations on selected crystal faces, the exact relationship between these three parameters for a particular face is also uncertain.

Mackinawite is clearly capable of accommodating a wide range of metal cations with a metallic radius close to iron. The extremely unusual stereochemistry of sulphur probably contributes to the instability of mackinawite. Clearly this very unusual mineral justifies detailed mineralogical and chemical studies. Until more data are available, caution should be exercised in pronouncements made on the basis of present data.

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TRAPICHE EMERALDS FROM COLOMBIA: CORRECTION

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Based on information supplied by E. J. Tripp and L. H. Hernandez and E. J. Tripp (private communications) the actual origin of the trapiche emeralds previously attributed (Nassau and Jackson, 1970) to

the Chivor mine is the Peña Blanca mine, near Muzo, Colombia. These have the clear center and are distinct from the specimens from Muzo itself, which have a dark center. Most Peña Blanca trapiche emeralds were purchased and distributed by Mr. W. F. Bronkie, then manager of the Chivor mine, and were accordingly attributed to the Chivor locality.

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REFINEMENT OF AN INTERMEDIATE MICROCLINE
STRUCTURE: ERRATUM

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The x parameter for atom $O_A(1)$ in Table 1 should read $-0.0005(5)$ rather than $+0.0005(5)$. All interatomic distances and angles are correct as listed. I am grateful to Dr. Werner H. Baur for pointing out this discrepancy.

REFERENCE

- BAILEY, S. W. (1969) *Amer. Mineral.* **54**, 1540-1545.