

MINERALOGICAL NOTES.

No. IV.*

By

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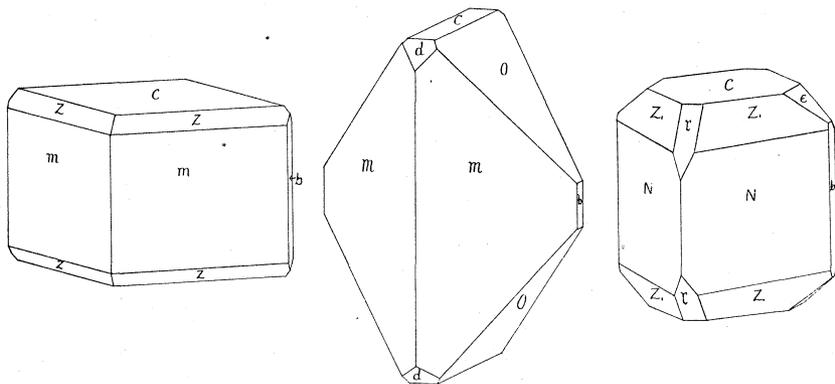
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BARITE.

Northmead, near Parramatta, New South Wales.

(Figures 1-3.)

The first record of barite occurring in the Hawkesbury sandstone in the vicinity of Sydney was made by Mr. H. G. Smith¹ in 1891, the locality given being Cook's River, five miles west of Sydney. Since then it has been recorded from Five Dock, Pyrmont, Pennant Hills,² Dundas,³ St. Peters, Macdonaldtown, and Thirlmere.⁴



Figures 1-3.

Barite from Northmead, near Parramatta, New South Wales.

Forms.—c(001), b(010), m(110), N(230), o(011), ε(035),

d(102), τ(405), z(111), and the new form Z₁(465).

In all these occurrences, with the exception of Dundas, the barite is recorded as being found in the Triassic sedimentary rocks of which the Hawkesbury Sandstone is a part. At Dundas it was found associated with calcite, aragonite, and amethystine quartz in

* For No. III, see "Records of the Australian Museum," Vol. xv, No. 5, 1927, p. 313.

¹ Smith.—Proc. Linn. Soc. N. S. Wales, (2), vi, 1892, pp. 131-132.

² David.—Journ. Roy. Soc. N. S. Wales, xxvii, 1894, p. 407.

³ Benson.—*Ibid.*, xliv, 1910, p. 501.

⁴ Anderson.—Rec. Austr. Mus., vi, 1905, p. 89.