

MINERALOGICAL NOTES: No. II.—TOPAZ, BARITE,
ANGLESITE, CERUSSITE, AND ZIRCON.

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(Plates xviii.—xx.)

TOPAZ.

EMMAVILLE, NEW SOUTH WALES.

Since a description and figures of topaz crystals from Emma-ville was published,¹ Mr. D. A. Porter has presented to the Trustees the specimen represented in Pl. xviii., Fig. 1. It is a typical and finely developed example of the crystalline habit of topaz from this locality, and, as it is somewhat larger than the best crystals hitherto examined, it is possible to represent the faces in approximately their actual relative proportions. As usual there is a comparatively rich prism zone, with the form *m* (110) greatly predominating. Each of the prisms has four faces present, but the pinacoid *b* (010) has only one. The three domes have each the full number of faces. Of the pyramids *o* (221) and *x* (243) have but three faces, while *u* (111) and *i* (223) have four. The faces are with few exceptions smooth and brilliant and give excellent reflections. The crystal measures $9\frac{1}{2}$ mm. \times $5\frac{1}{2}$ mm. \times 4 mm. The mean co-ordinate angles obtained are as follows:—

¹ Anderson—Rec. Austr. Mus., v., 1904, pp. 296-299, pl. xxxix., figs. 1-3