

Should any member of the Society wish to see a portion of the original specimen, or to examine with the spectroscope sections thereof or of the Oxford mineral, I am prepared to submit them to him.

XX. *On the Dichroism of two European Andalusites.*

By W. G. LETTSOM, Esq.*

Two years ago or so there was received in London from Brazil a batch of Andalusites, the transparency of which allowed of their remarkable dichroism being well observed. This induced me to make trial as to the amount of dichroism which Andalusites from European localities might exhibit if suitably cut by a lapidary; for none of our Andalusites that I am acquainted with are capable of being examined, as is the case with Brazilian specimens, in their natural state.

I beg leave to lay before the Society a few sections of Andalusite from a locality in Germany the name of which I have not at hand, but which I hope to obtain in a day or two. Those sections show in one image a rich chocolate-brown colour, the other being all but colourless.

Other sections, from Goldenstein in Moravia, exhibit, in one image a deep blood-red colour, the other image in this case too being almost colourless.

XXI. *Crystallographic Notes.* By W. J. LEWIS, M.A.†

[Plate VII.]

Pseudobrookite.—A pupil of mine, whilst making a list of the apatites in the Brooke collection preparatory to their registration, called my attention to a specimen of asparagus-stone from Jumilla, Murcia, on which were some minute black crystals of apparently rhombic symmetry. They were clearly not hematite, which is frequently found in thin laminae in the matrix from this locality. The measurements obtained show it to agree well with the mineral discovered by

* Read November 23, 1878.

† Read June 3, 1882.