

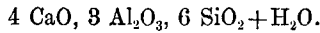
XIX. *Note on New Locality for Zoisite.*

By W. HAMILTON BELL.

(Communicated by the Rev. W. W. PEYTON.)

[Read June 24th, 1884.]

IN the Article "Mineralogy," in the *Encyclopædia Britannica*, written by Professor Heddle, of St. Andrew's, that gentleman gives the formula of Zoisite :—



Alumina 29·8; Lime 24·35; Oxide of Iron 2·8; Silica 40·3; and Water 2·1.) Cleavage, brachy-diagonal, perfect: H=6, G=3·2 to 3·4. White, brownish gray, and dark green. Localities, Glen Urquhart, Dalnein (Grantown), and Alt Gonalan, Inverness-shire; Sterzing in Tyrol, the Sau-Alp in Carinthia, the Urals, and Connecticut.

Analysis of Zoisite from Loch Garve, Ross-shire, found by Mr. Hamilton Bell.

SiO ₂	...	...	...	...	42·996
Al ₂ O ₃	...	...	...	...	27·728
Fe ₂ O ₃	...	...	...	...	2·469
CaO	...	...	...	...	24·163
MgO	...	...	...	...	1·403
K ₂ O	...	...	...	...	0·869
CuO	...	...	...	...	trace
					99·628

W. Ivison Macadam, F.C.S., F.I.C., Professor of Chemistry.

In March, 1883, I read to the Edinburgh Geological Society a Paper on matters of geological interest in Eastern Ross-shire, and in it I mentioned that, among other minerals, I had found one which I called Tourmaline. Being a young student even in geology, I was not sufficiently versed in mineralogy to feel satisfied that I was right in this nomenclature; and being at St. Andrew's in autumn last year, I mentioned the matter to Professor Heddle, and showed him a small specimen which I had with me. I had also found in Ross-shire another mineral which I was unable to name, and at Professor Heddle's request I sent him both specimens. I received from him an answer that "both specimens were the

mineral Zoisite," adding, "The brown is like what Dr. Arch. Geikie found at Dalnein Bridge, the white like what I found at Glen Urquhart; the white you have got is in larger crystals than I ever saw before in Scotland;" and then he remarked, "There must be limestone near Loch Garve."

The brown was found in the railway cutting on the Dingwall and Skye Railway, near the "Raven rock," where the rocks are all gneiss and mica-schist plentifully mixed with garnet (Almandine): the white I found in a siding for breaking stones for road metal, close to the station at Garve; and there was fully a ton weight there. I could not then determine its name; but I took away a large quantity. When Professor Heddle stated what it was, I got my friend Mr. Morrison, Rector of Dingwall Academy, to make further search in that neighbourhood, and at a point just above that road siding, and close to a distinguishable mass of pure white quartz, which I had marked, he also found the mineral, but stated that there were no signs of limestone in the neighbourhood, as suggested by Professor Heddle. I also sent a specimen of the brown to Dr. Archibald Geikie, who recognised it as Zoisite, stating "it is nearly identical with the Grantown (Dalnein) variety."
