

*On the Chemical Composition of some Samples of Graphite from
Knock, Aberdeenshire.*

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THE proportion of actual carbon varies much in different samples. Some portions are stated to have analysed as high as 75 per cent., but, as will be noticed from the figures given below, the carbon may be much lower.

			1	2	3
Carbon			17·61	22·85	32·76
Moisture and trace of } volatile matter }	} ..		4·04	5·32	6·28
Ash			78·35	71·83	60·96
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			100·00	100·00	100·00

The material occurs in the railway cutting near Rothiemay station.

The carbon was estimated by fusion with an alkali, after extraction of the soluble portion with dilute acid and weighing the dried residue. This residue was afterwards ignited in a current of pure oxygen, and the carbonic anhydride weighed and calculated into carbon.