

forms the upper portion of Scrabo Hill, Co. Down.<sup>1</sup> Here and elsewhere the sheets of basalt are often traversed by vertical dykes. The following are analyses of the rock at points over the region here described :—

	I.	II.	III.
Silica .....	52.13	47.80	46.80
Alumina .....	14.87	14.80	14.40
Oxides of Iron.....	11.40	13.08	12.20
Oxides of Manganese..	0.32	0.09	2.80
Lime .....	10.56	12.89	10.16
Magnesia.....	6.46	6.84	9.53
Potash.....	0.69	0.86	1.16
Soda.....	2.60	2.48	
Water .....	1.19	1.41	3.00
	100.22	100.25	100.05

I. Fine grained dark green 'anamesite,' from the Giant's Causeway.<sup>2</sup>

II. Fine grained dark green 'anamesite,' from Fingal's Cave, Staffa.<sup>3</sup>

III. Greyish hydrated 'anamesite,' from the Faroë Islands.<sup>4</sup>

*Basalt, &c., of foreign countries.* Sheets of basalt are developed in the volcanic region of Auvergne, in Central France; the district of the Eifel, and Siebengebirge on the Lower Rhine; in the Mittelgebirge, in Bohemia, reaching 2,920 feet; at Marksuhl, near Eisenach; at Unkelstein, near Frankfurt; and in the Riesengebirge, in Silesia. At Vicenza, in Italy, ten

<sup>1</sup> For the determination of this mineral I am indebted to Mr. A. Gages, M.R.I.A.

<sup>2</sup> Streng, Poggend. Ann. xc. 1853, 114.

<sup>3</sup> Streng, *ibid.*

<sup>4</sup> Durocher, Annal. des Mines, xix. 559. The 'Whin Sill' of the Pennine Ridge is an example of a contemporaneous basalt of the Carboniferous period in England.