## Mr. T. S. Hunt's Examinations of some Felspathic Rocks. 7

of pyroxene are seldom more than 4 or 5 lines in thickness, and may be an inch or two apart, while those of ilmenite are still thinner, and often enclosed in the pyroxene, along the surfaces of which deep red grains of garnet are occasionally seen. These different minerals appear in relief upon the white weathered surface of the rock, and give a picture of its stratified structure, which is, however, not less apparent upon the surfaces of recent fracture. Small, rounded, bluish masses of cleavable felspar are frequently disseminated in the same planes as the other minerals. In some places the pyroxene appears to pass into, or is replaced by, foliated hypersthene. A homogeneous fragment of this rock from Rawdon had a density of 2-691. It was bluish-white, granular and translucent, and gave by analysis,—

0.11					XII.
Silica	•	•			54.45
Alumina	•		•		28.05
Peroxide of iron					·45
Lime	•				9.68
Potash	•	•			1.06
Soda	•	•		•	6.25
Loss by ignition		•	•		.55
					100.49

In connexion with this variety, which has nearly the composition assigned to labradorite, I may give the analyses of two felspars which differ from it principally in their greater amount of lime. No. XIII., from the township of Morin, belongs to the same area as the last, and forms large cleavable masses in a fine-grained base. Its density is 2.684 to 2.695, and its colour greenish-gray, passing into bluish-gray, with an occasional pearlgray opalescence. The greenish paste of this felspar is softer than the others, and yields with effervescence about four hundredthe of carbonate of lime to dilute acids; the insoluble residue has nearly the composition of the felspar. No. XIV. is a cleavable, lavender-blue, opalescent variety, from a rolled mass found in Drummond, Canada West, and having a density of 2.697. The determination of the alkalies in this was not made by the same process as in the other analyses, and probably does not give the full amount.

1.

all allount.	XIII.	XIV.
Silica	. 54.20	54.70
Alumina	. 29.10	29.80
Peroxide of iron	. 1.10	.36
Lime	. 11.25	11.42
Magnesia	15	traces
Potash ] han dig	3.80	.23
Soda joy all.		2.44
Loss by ignition	•40	•40
	100.00	99.35

of in of cen ety nd eat ile in

ers