

inclusions amount to from 1 to '3 per cent of the volume of the mineral and goes on to say: "Le nombre des microlites contenus dans un volume déterminé est susceptible d'être apprécié avec plus de précision; les résultats toutefois s'écarteront beaucoup entre eux, suivant l'échantillon qu'on aura choisi et le point dans lequel on l'aura examiné. Dans le labradorite violet figuré le nombre de microlites s'élève au minimum à 10,000 par millimètre cube; mais pour autres variétés jaunes et gris foncées le calcul m'a donné un nombre au moins dix fois plus considérable de sorte qu'il y avait ici, dans l'espace borné d'un centimètre cube plus de cent millions de petits cristaux étrangers." The larger rods are surrounded by a zone of clear feldspar. Some inclusions are transparent and have a reddish brown colour resembling hematite; these appear in small scales which often show a somewhat distorted hexagonal outline. Objects which closely resemble the above mentioned rods, are often seen when very highly magnified to be cavities, partly filled up by the dark material of the rods. These inclusions are pretty uniformly scattered through the feldspar individuals, and not confined to certain places, nor present more abundantly in some places than in others as is the case with the gabbros described by G. H. Williams¹ or by Judd.² Minute fluid inclusions may often be observed arranged in rows; in these there appears now and then a moving bubble. In one or two cases small cubes were perceived in them, and in one case it was thought that a double bubble could be recognized. In two or three localities the otherwise normal feldspar contained but few of these inclusions and consequently was almost white in colour. The nature and origin of these dark inclusions, which occur so frequently in the feldspar and other constituents of the gabbro, in the most widely separated localities of the globe, have been frequently discussed.

¹ G. H. Williams, Gabbro and associated Hornblende Rocks in the neighborhood of Baltimore, Md. Bull. U. S. Geol. Survey 28, p. 21.

² Judd, On the Gabbros, Dolerites and Basalts of Tertiary age in Scotland and Ireland, Q. J. G. S. 1886, p. 82.