Analysis of plombgomme

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like a rocket throwing off numerous corruscations of intense light; but without any report or noise of any kind. Its apparent elevation inconsiderable.

Another beautiful Meteor observed at the same Village on the 20th of May, 1832.

At 6 hours 40 minutes P.M. a large pear-shaped meteor was observed shooting very rapidly in a horizontal position, and in a direction from north to south. Nothing could exceed the brilliant mixture of green, tinged with blue colours, exhibited during its rapid progress. It left a luminous train of great length behind, and remained visible about three seconds, then disappeared in the southern horizon, without exhibiting any signs of exploding.

ANALYSIS OF PLOMBGOMME. BY M. DUFRESNOY.

The compound of oxide of lead and alumina, called by mineralogists plombgomme, on account of its resemblance to drops of gum which exude from trees, has hitherto been found only in Huelgoat mine in Brittany. It has, however, lately occurred in a lead mine near Beaujeu: it is found in small mammillated masses, with slightly varying textures; some are of a yellowish white colour, externally very shining, and the fracture is both splintery and testaceous, without any trace of crystallization; others are slightly greenish, composed of concentric layers, and possess a radiated structure, like wavellite. When observed with a microscope, the fibres appear to be crystalline, with a rhombic fracture, like some arragonites.

The hardness of plombgomme is intermediate as to that of carbonate and phosphate of lime. Its specific gravity is 4.88: before the blowpipe it decrepitates; on charcoal it swells and yields a scoriateous white enamel.

By analysis it yielded

Silica	2.11
Alumina	34.23
Deutoxide of lead	43.42
Phosphoric acid	1.89
Water	16.14
Loss.....	2.21
	—————100.00

The specimen subjected to analysis contained phosphate of lead: it is very probable that the phosphoric acid found indicates a certain quantity of phosphate of lead mixed with the plombgomme. On this supposition, the analysis should be thus stated:

Silica	2.11
Alumina	34.23
Deutoxide of lead.....	37.51
Phosphate of lead.....	7.80
Water	16.14
Loss.....	2.21
	—————0.010

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