

Brazil. Axes from both these countries have been mentioned by Prof. Arzruni (*Zeitschrift für Ethnologie*, 1883, p. 482), who has since informed me that the Brazilian axe represents a type of nephrite so far unknown, from which that of the Venezuela axe again differs."

The latter part of Prof. Meyer's paper relates to a white or grey mineral which has been referred to as 'jade,' but which proves to be pectolite. His remarks on this subject may be summarized as follows:—

The rough mineral from Alaska reported on by Mr. Baird, and previously alluded to, proved to be neither nephrite nor jadeite, but pectolite. Specimens altogether unworked, were not found, but so many that were only partly worked that there can be no doubt of their local origin. Small pieces of a rolled boulder, which had been used as a hammer for breaking bones, and which was obtained at Point Barrow, behave chemically in just the same way as pectolite from Bergenhill, New Jersey. Both were decomposed by acids, after heating to redness and gelatinised. The composition approaches the formula  $(Ca, Na, H_2) Si O_3$ .

Capt. Jacobson also collected many implements of the same mineral in the region between Kotzebue Sound and Cape Barrow, and also in the tundra, between the rivers Kosksquim and Yukon. Most are cylindrical hammers, some as long as 20 cm. with a diameter of 8 cm.

Colour sometimes turning to neutral gray in spots that are also much less translucent. Hardness near that of quartz (7), greater than usual in pectolite (4-5). Also abnormal in not being dissolved in acids with separation of silica of jelly-like consistence; but in these two peculiarities, agreeing with pectolite from Knockdolian, Scotland. Optical qualities and cleavage normal.

The mineral is said, by the natives from Kotzebue Sound to Cape Barrow, to be obtained in the mountain chain which extends along that coast; one particular locality being the side of a mountain about twenty-five miles from Nulato, on the Yukon, another on one of the streams flowing into Kotzebue Sound, where a vein, or perhaps