

116. MANGANESE NODULE.—Station 276.

Lat. 13° 28' S., long. 149° 30' W., 2350 fathoms (Brazier).

Weight, 6.70 grains.

	Grains.
Loss on ignition,	2.10
Alumina,	1.26
Ferric oxide, }	1.79
Manganese oxide, }	
Calcium carbonate,	0.40
Magnesium carbonate,	good trace
Soluble silica,	0.75
Insoluble residue,	0.40
	6.70
	Per cent.
Loss on ignition,	31.34
Portion soluble in hydrochloric acid,	62.68
Portion insoluble in hydrochloric acid,	5.98
	100.00

117. MANGANESE NODULES.—Station 281.

Lat. 22° 21' S., long. 150° 17' W., 2385 fathoms (Brazier).

	Loss on ignition after drying at 230° Fahr.,	16.00
	Copper,	good trace
	Alumina,	2.00
	Ferric oxide,	29.00
	Calcium phosphate,	trace
Portion soluble in Hydrochloric } Acid = 73.21	Manganese oxide,	22.22
	Nickel,	good trace
	Cobalt,	trace
	Calcium sulphate,	0.29
	Calcium carbonate,	2.79
	Magnesium carbonate,	1.51
	Silica,	15.40
Portion insoluble in Hydrochloric } Acid = 10.79	Alumina,	1.25
	Ferric oxide,	1.33
	Lime,	0.84
	Magnesia,	0.15
	Silica,	7.22
		100.00

NOTE.—Nodules, average weight 170 grains, apparently consisting of two varieties; some on breaking were of a dark brown colour, others of a slaty-brown colour. The former constitute this analysis, the latter Analysis 119.