

75. MANGANESE NODULES (nuclei of bone).—Station 286.

Lat. 33° 29' S., long. 133° 22' W., 2335 fathoms (Brazier).

		Loss on ignition after drying at 230° Fahr.,	
Portion soluble in Hydrochloric Acid = 91.09	}	Copper,	4.70
		Alumina,	trace
		Ferric oxide,	2.80
		Calcium phosphate,	13.88
		Manganese oxide,	53.12
		Nickel,	3.62
		Cobalt,	trace
		Calcium sulphate,	trace
		Calcium carbonate,	2.62
		Magnesium carbonate,	11.56
Portion insoluble in Hydrochloric Acid = 4.21	}	Silica,	0.75
		Alumina,	3.24
		Ferric oxide,	0.50
		Lime,	1.70
		Magnesia,	0.51
		Silica,	0.15
			1.85
			<u>100.00</u>

NOTE.—Two nodules, harder than the rest, coated with a light brown shell, which easily peeled off, and after being removed was reserved.

76. PUMICE.—Station 226.

Lat. 14° 44' N., long. 142° 13' E., 2300 fathoms (Brazier).

		Loss on ignition after drying at 230° Fahr.,	
Portion soluble in Hydrochloric Acid = 74.59	}	Copper,	8.90
		Alumina,	small trace
		Ferric oxide,	7.00
		Calcium phosphate,	26.28
		Manganese oxide,	good trace
		Nickel,	10.25
		Cobalt,	small trace
		Calcium sulphate,	...
		Calcium carbonate,	0.29
		Magnesium carbonate,	1.29
Portion insoluble in Hydrochloric Acid = 16.51	}	Silica,	0.68
		Alumina,	28.80
		Ferric oxide,	2.74
		Lime,	1.36
		Magnesia,	1.01
Silica,	0.40		
			11.00
			<u>100.00</u>

NOTE.—Material like pumice, light in weight, with reddish particles on surface.