

131A. MANGANESE NODULES (internal portions).—Station 297.

Lat. 37° 29' S., long. 83° 7' W., 1775 fathoms (Anderson).

	Loss on ignition after drying at 100° C.,	8.66
Portion soluble in Hydrochloric Acid = 40.68	{ Alumina,	14.04
	{ Ferric oxide,	10.23
	{ Manganese dioxide,	4.16
	{ Magnesia,	0.75
	{ Potash,	3.61
	{ Soda,	3.22
	{ Phosphoric acid,	large trace
	{ Silica,	4.67
Portion insoluble in Hydrochloric Acid = 50.48	{ Alumina,	4.63
	{ Ferric oxide,	0.63
	{ Magnesia,	0.46
	{ Potash,	0.46
	{ Soda,	0.23
	{ Silica,	44.07
		<hr/> 99.82

NOTE.—The nuclei used in this analysis were white or brownish white in colour, very light in weight, and easily cut with a knife. They contained 13.4 per cent. of moisture, and on ignition fused into a blackish glass.

132. MANGANESE NODULES.—Station 299.

Lat. 33° 31' S., long. 74° 43' W., 2160 fathoms (Brazier).

	Loss on ignition after drying at 230° Fahr.,	11.80
Portion soluble in Hydrochloric Acid = 77.50	{ Copper,	trace
	{ Alumina,	0.70
	{ Ferric oxide,	6.08
	{ Calcium phosphate,	trace
	{ Manganese oxide,	55.67
	{ Nickel,	small trace
	{ Cobalt,
	{ Calcium sulphate,	0.58
	{ Calcium carbonate,	5.57
	{ Magnesium carbonate,	1.90
	{ Silica,	7.00
Portion insoluble in Hydrochloric Acid = 10.70	{ Alumina,	2.30
	{ Ferric oxide,	0.70
	{ Lime,	0.49
	{ Magnesia,	0.11
	{ Silica,	7.10
		<hr/> 100.00

NOTE.—Two smaller nodules taken as a whole.