102. MANGANESE NODULES.—Station 248. Lat. 37° 41′ N., long. 177° 4′ W., 2900 fathoms (Brazier).

Loss on ignition after drying at 230° Fahr.,		16·50
Portion soluble in Hydrochloric Acid = 61·10 =	Copper,	large trace
	Alumina,	2·50
	Ferric oxide,	20·50
	Calcium phosphate,	good trace
	Manganese oxide,	22·50
	Nickel,	good trace
	Cobalt,	...
	Calcium sulphate,	0·85
	Calcium carbonate,	2·65
	Magnesium carbonate,	1·10
	Silica,	11·00
Portion insoluble in Hydrochloric Acid = 22·40 =	Alumina,	2·17
	Ferric oxide,	1·16
	Lime,	0·65
	Magnesia,	0·32
	Silica,	18·10
		100·00

NOTE.—For the purpose of analysis a small nodule and an equal quantity of a large one were mixed as a whole.

103. MANGANESE NODULES.—Station 252. Lat. 37° 52° N., long. 160° 17′ W., 2740 fathoms (Brazier).

Loss on ignition after drying at 230° Fahr.,		10·60
Portion soluble in Hydrochloric Acid = 68·48 =	Copper,	small trace
	Alumina,	3·50
	Ferric oxide,	19·33
	Calcium phosphate,	trace
	Manganese oxide,	28·50
	Nickel,	good trace
	Cobalt,	...
	Calcium sulphate,	0·88
	Calcium carbonate,	3·37
	Magnesium carbonate,	1·90
	Silica,	11·00
Portion insoluble in Hydrochloric Acid = 20·92 =	Alumina,	2·35
	Ferric oxide,	1·15
	Lime,	0·45
	Magnesia,	0·23
	Silica,	16·74
NOTE.—Three smooth round nodules.		100·00

104. MANGANESE NODULE (internal portion).—Station 252. Lat. 37° 52′ N., long. 160° 17′ W., 2740 fathoms (Brazier).

Loss on ignition after drying at 230° Fahr.,		20·80
Portion soluble in Hydrochloric Acid = 64·53 =	Copper,	trace
	Alumina,	5·00
	Ferric oxide,	17·83
	Calcium phosphate,	mere trace
	Manganese oxide,	25·37
	Calcium sulphate,	0·58
	Calcium carbonate,	3·58
	Magnesium carbonate,	2·27
	Silica,	9·90
Portion insoluble in Hydrochloric Acid = 14·67 =	Alumina,	1·70
	Ferric oxide,	0·90
	Lime,	0·50
	Magnesia,	0·20
	Silica,	11·37
		100·00