

THE VOYAGE OF H.M.S. CHALLENGER.

114. MANGANESE NODULES (external portions).—Station 276.

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

	Loss on ignition after drying at 230° Fahr.,	14·40
Portion soluble in Hydrochloric Acid=78·00	Copper,	good trace
	Alumina,	2·00
	Ferric oxide,	45·00
	Calcium phosphate,	small trace
	Manganese oxide,	14·82
	Nickel,	trace
	Cobalt,	trace
	Calcium sulphate,	0·99
	Calcium carbonate,	4·30
	Magnesium carbonate,	1·13
	Silica,	9·76
Portion insoluble in Hydrochloric Acid=7·60	Alumina,	1·10
	Ferric oxide,	1·40
	Lime,	0·70
	Magnesia,	0·50
	Silica,	3·90
		<hr/> 100·00

115. MANGANESE NODULES (internal portions).—Station 276.

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

	Loss on ignition after drying at 230° Fahr.,	14·10
Portion soluble in Hydrochloric Acid=72·75	Copper,	trace
	Alumina,	8·90
	Ferric oxide,	21·00
	Calcium phosphate,	good trace
	Manganese oxide,	1·91
	Nickel,
	Cobalt,
	Calcium sulphate,	0·41
	Calcium carbonate,	2·70
	Magnesium carbonate,	1·53
	Silica,	36·30
Portion insoluble in Hydrochloric Acid=13·15	Alumina,	1·80
	Ferric oxide,	2·00
	Lime,	0·85
	Magnesia,	0·50
	Silica,	8·00
		<hr/> 100·00