### 133. Manganese Nodules.—Station 299.

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

| | | |
|---|---|---|
| | Loss on ignition after drying at 230° Fahr., | 10·00 |
| Portion soluble in Hydrochloric Acid = 77·50 | Copper, | trace |
| | Alumina, | 0·30 |
| | Ferric oxide, | 14·00 |
| | Calcium phosphate, | trace |
| | Manganese oxide, | 46·89 |
| | Nickel, | small trace |
| | Cobalt, | ... |
| | Calcium sulphate, | 0·58 |
| | Calcium carbonate, | 2·57 |
| | Magnesium carbonate, | 4·16 |
| | Silica, | 9·00 |
| Portion insoluble in Hydrochloric Acid = 12·50 | Alumina, | 2·60 |
| | Ferric oxide, | 0·70 |
| | Lime, | 0·51 |
| | Magnesia, | 0·29 |
| | Silica, | 8·40 |
| | | 100·00 |

Note.—The softer parts of some of the nodules.

### 134. Manganese Nodules.—Station 299.

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

| | | |
|---|---|---|
| | Loss on ignition after drying at 230° Fahr., | 10·40 |
| Portion soluble in Hydrochloric Acid = 80·64 | Copper, | trace |
| | Alumina, | ... |
| | Ferric oxide, | 5·86 |
| | Calcium phosphate, | trace |
| | Manganese oxide, | 63·23 |
| | Nickel, | small trace |
| | Cobalt, | ... |
| | Calcium sulphate, | 0·51 |
| | Calcium carbonate, | 2·79 |
| | Magnesium carbonate, | 2·65 |
| | Silica, | 5·60 |
| Portion insoluble in Hydrochloric Acid = 8·96 | Alumina, | 2·40 |
| | Ferric oxide, | 0·60 |
| | Lime, | 0·34 |
| | Magnesia, | 0·13 |
| | Silica, | 5·49 |
| | | 100·00 |

Note.—The hard parts of some of the nodules.