

THE VOYAGE OF H.M.S. CHALLENGER.

46. GLOBIGERINA OOZE.—Station 246.

Lat. 36° 10' N., long. 178° 0' E., 2050 fathoms (Brazier).

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| | Loss on ignition after drying at 230° Fahr., | 4.40 |
| Portion soluble in Hydrochloric Acid = 75.84 | { Alumina, | 2.92 |
| | { Ferric oxide, | 4.91 |
| | { Calcium phosphate, | 1.05 |
| | { Manganese oxide, | 1.10 |
| | { Calcium sulphate, | 0.56 |
| | { Calcium carbonate, | 47.57 |
| | { Magnesium carbonate, | 0.83 |
| Portion insoluble in Hydrochloric Acid = 19.76 | { Silica, | 16.90 |
| | { Alumina, | 2.90 |
| | { Ferric oxide, | 0.90 |
| | { Lime, | 0.34 |
| | { Magnesia, | 0.22 |
| | { Silica, | 15.40 |
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47. GLOBIGERINA OOZE.—Station 293.

Lat. 39° 4' S., long. 105° 5' W., 2025 fathoms (Brazier).

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| | Loss on ignition after drying at 230° Fahr., | 6.80 |
| Portion soluble in Hydrochloric Acid = 89.68 | { Alumina, | 1.30 |
| | { Ferric oxide, | 20.94 |
| | { Calcium phosphate, | 0.41 |
| | { Manganese oxide, | 4.80 |
| | { Calcium sulphate, | 0.46 |
| | { Calcium carbonate, | 54.67 |
| | { Magnesium carbonate, | 0.90 |
| Portion insoluble in Hydrochloric Acid = 3.52 | { Silica, | 6.20 |
| | { Alumina, | 0.60 |
| | { Ferric oxide, | 0.30 |
| | { Lime, | 0.12 |
| | { Magnesia, | 0.10 |
| | { Silica, | 2.40 |
| | <hr/> | 100.00 |

48. GLOBIGERINA OOZE (after the finer parts had been washed away).—Station 296.

Lat. 38° 6' S., long. 88° 2' W., 1825 fathoms (Brazier).

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| | Loss on ignition after drying at 230° Fahr., | 2.25 |
| Portion soluble in Hydrochloric Acid = 95.32 | { Alumina, | 4.50 |
| | { Ferric oxide, | 0.78 |
| | { Calcium phosphate, | 2.77 |
| | { Manganese oxide, | good trace |
| | { Calcium sulphate, | 0.58 |
| | { Calcium carbonate, | 82.55 |
| | { Magnesium carbonate, | 1.13 |
| Portion insoluble in Hydrochloric Acid = 2.43 | { Silica, | 3.06 |
| | { Alumina, | 0.61 |
| | { Ferric oxide, | 0.12 |
| | { Lime, | 0.14 |
| | { Magnesia, | 0.05 |
| | { Silica, | 1.51 |
| | <hr/> | 100.00 |