

were very numerous, much more so than in the sounding tube or dredge. The dredge contained a very large quantity of a light brown or red coloured ooze, which when dried became white, with a delicate rose tinge. A quantity of this ooze was passed through fine sieves, and the remainder was placed in bottles and brought home for further and more careful examination than could be made on board ship. There remained from the quantity passed through the sieves on board three small pieces of pumice and a few fragments of a Gasteropod shell. The pieces of pumice were about 5 mm. in diameter, rounded, white, areolar, and containing small crystals of sanidine, hornblende, and magnetite. During the cruise it frequently happened that no particles of pumice, of sufficient size to be perfectly determinable, were found in the specimen of a Globigerina ooze brought up in the sounding tube, yet when a large quantity of the ooze was obtained by the dredge or trawl at the same place, and passed through sieves, a few pieces of pumice were obtained, as in this instance. It is important to bear this fact in mind when judging of the role played by pumice in the formation of deep-sea deposits.

In the examination of the large quantity of this ooze brought home the following organisms were observed :—

Fragments of Echinoderms, Ostracodes (*Cythere dictyon* and *Cythere dasyderma*), a small Lamellibranch, a fragment of a Polyzoon, otoliths and small teeth of fish, fragments of *Lepas* valves, fragments of Pteropods and Heteropods (*Hyalea*, *Cleodora*, *Cuvieria*, and *Atlanta*), Rhabdoliths and Coccoliths, a few Radiolarians, a few Sponge spicules, one or two fragments of Diatoms (?), and the following Foraminifera :—

Biloculina depressa.
Spiroloculina tenuis.
Miliolina seminulum.
Hyperammia vagans.
Reophae scorpiurus.
Thurammia papillata.
Cyclammia cancellata.
Verneuilina pygmaea.
Virgulina schreibersiana.
Lagena globosa.
Lagena gracilis.
Lagena laevigata.
Lagena laevis.
Lagena lagenoides.
Lagena lagenoides var.
tenuistriata.
Lagena lucida.

Lagena seminiformis.
Lagena squamosa.
Lagena striata.
Nodosaria calomorpha.
Cristellaria obtusata.
Cristellaria rotulata.
Polymorphina angusta.
Polymorphina lactea.
Polymorphina longicollis.
Globigerina aequilateralis.
Globigerina bulloides.
Globigerina conglobata.
Globigerina digitata.
Globigerina dubia.
Globigerina helicina.
Globigerina inflata.

Globigerina rubra.
Globigerina sacculifera.
Orbulina universa.
Hastigerina pelagica.
Pullenia obliquiloculata.
Sphaeroidina dehiscens.
Candeina nitida.
Truncatulina haidingerii.
Truncatulina wuellerstorfi.
Pulvinulina menardii.
Pulvinulina micheliniana.
Pulvinulina patagonica.
Pulvinulina pauperata.
Pulvinulina tumida.
Rotalia soldanii.
Nonionina umbilicatulula.