

numerous than the pelagic species, yet the individuals are relatively very few in number, the list having been compiled from the examination of a very large quantity of the deposit. While the shells of the pelagic forms are very small when compared with those found in tropical areas, on the other hand, the Miliolidæ, Astrorhizidæ, Lituolidæ, and other bottom-living forms are represented by very large and beautiful forms. Some specimens of *Miliolina* are one-eighth of an inch in diameter; specimens of *Reophax* and *Rhabdammina* are over an inch in length. Among the arenaceous species there are many interesting illustrations of the mode in which these Rhizopods select and arrange the various particles in the deposit to form their tests. *Astrorhiza crassatina* here forms its test almost exclusively of the spherical Radiolarian *Cromyosphæra antarctica*; *Storthosphæra* selects the finest mineral particles, with an occasional larger particle of quartz or palagonite; one form selects only the shells of the pelagic Foraminifera, and another only the smallest Diatomaceæ; *Reophax nodulosa* makes use of many large *Coscinodisci*, arranging them flatways over the surface, and *Rhabdammina abyssorum* forms its tube of the larger angular fragments of quartz, felspar, magnetite, and other mineral particles.

*Biloculina depressa*, d'Orbigny.

„ „ var. *murrhyna*, Schwager.

„ *irregularis*, d'Orbigny.

„ *ringens* (Lamarck).

„ *sphæra*, d'Orbigny.

*Miliolina circularis* (Bornemann) (?).

„ *fichteliana* (d'Orbigny).

„ *oblonga* (Montagu).

„ *seminulum* (Linné).

„ *venusta* (Karrer).

*Keramosphæra murrayi*, Brady.

*Astrorhiza crassatina*, Brady.

*Pelosina rotundata*, Brady (?).

*Storthosphæra* sp. (?).

*Bathysiphon filiformis*, Sars (?).

*Hyperammina vagans*, Brady.

*Rhabdammina abyssorum*, Sars.

*Rhizammina algæformis*, Brady.

*Reophax adunca*, Brady.

„ *diffugiiformis*, Brady.

„ *nodulosa*, Brady.

„ *pilulifera*, Brady.

„ *scorpiurus*, Montfort.

*Haplophragmium latidorsatum* (Bornemann).

„ *turbinatum*, Brady.

*Placopsilina vesicularis*, Brady.

*Thurammina albicans*, Brady (?).

„ *compressa*, Brady.

„ *papillata*, Brady.

*Hormosina ovicula*, Brady.

*Ammodiscus charoides*, Jones and Parker.

*Trochammina pauciloculata*, Brady.

*Webbina clavata*, Jones and Parker.

„ *hemisphærica*, Jones, Parker, and Brady.

*Cyclammina cancellata*, Brady.

*Verneuilina pygmæa*, Egger.

*Gaudryina pupoides*, d'Orbigny.

*Clavulina communis*, d'Orbigny.

*Pleurostomella brevis*, Schwager.

„ (?) sp.

*Cassidulina bradyi*, Norman.

„ *crassa*, d'Orbigny.

„ *subglobosa*, Brady.

*Lagena alveolata*, Brady.

„ *botelliformis*, Brady.

„ *globosa* (Montagu).

„ *lævigata* (Reuss).

„ *lævis* (Montagu).

*Nodosaria communis*, d'Orbigny.

*Vaginulina linearis* (Montagu).

*Cristellaria convergens*, Bornemann.

„ *crepidula* (Fichtel and Moll).

*Polymorphina angusta*, Egger.

„ *thouini*, d'Orbigny.

*Uvigerina asperula*, Czjzek.

„ *pygmæa*, d'Orbigny.

× *Globigerina bulloides*, d'Orbigny.

× „ „ var. *triloba*, Reuss.