

*Pulvinulina elegans*, *Cristellaria reniformis*, *Haplophragmium scitulum*, *Hormosina normani* (broken), *Ammodiscus tenuis*, and *Rhabdammina linearis*. Some of the arenaceous tubes above alluded to are of considerable size, and may possibly belong to a Rhizopod like *Rhabdammina discreta*.

STATION 172.—July 22, 1874. Off Nukualofa, Tongatabu, Friendly Islands. Depth, 18 fathoms; coral.

Foraminifera of the large calcareous types exceedingly abundant, the genus *Orbitolites* supplying a very considerable proportion of the whole. In addition to *Orbitolites complanata* and *Orbitolites marginalis*, the gigantic complex variety *Orbitolites laciniata* appears in great numbers. Of smaller species *Nubecularia divaricata*, *Miliolina reticulata*, *Miliolina alveoliniformis*, and *Miliolina parkeri*, *Hauerina ornatissima*, *Vertebralina insignis*, *Truncatulina echinata*, and *Truncatulina rostrata* are the most notable.

STATION 173 A.—July 29, 1874. Off Fiji. 12 fathoms; coral.

Very similar in all respects to the last named. *Orbitolites* in great abundance, and beautifully perfect, with *Operculina*, *Amphistegina*, *Tinoporos*, *Peneroplis*, and *Heterostegina*, the last comparatively rare. There was but little fine material, consequently the list of the smaller species is limited.

STATION 174, A. B. C.—August 3, 1874. Lat. 19° 10' S., long. 178° 10' E. Off Kandavu, Fiji Islands.

A. Depth, 255 fathoms; Globigerina ooze.

B. Depth, 610 fathoms; bottom temperature, 3°·7 C.; Globigerina ooze.

C. Depth, 210 fathoms; sand.

A. and B. were merely soundings, of which a small quantity only has been available for examination. They are essentially Globigerina muds with an admixture of shallow-water Foraminifera, and contain the following species in addition to a considerable list of *Globigerinæ* and *Pulvinulinæ*, namely:—*Cymbalopora bulloides* and *Cymbalopora humilis*, *Chilostomella ovoidea*, *Patellina corrugata*, *Cassidulina calabra* and *Cassidulina bradyi*, *Ehrenbergina serrata*, *Textularia folium* and *Textularia aspera*, *Clavulina communis*, *Haplophragmium scitulum* and *Haplophragmium latidorsatum*.

C. is an exceedingly rich dredging, with the Foraminifera fauna of the deeper coral reefs. The following are some of the more characteristic species:—*Cristellaria cultrata*, *Cristellaria italica*, *Cristellaria siddalliana*, *Cristellaria vortex*, *Cristellaria calcar*, *Cristellaria papillosa*, *Cristellaria*