

The "washings of dredge," which were the subject of examination, consisted chiefly of rounded pieces of pumice, some of them almost covered with *Hyperammia vagans*. The general character of the Rhizopod-fauna was very similar to that of Station 244, abounding in the large sandy types, such as *Hyperammia*, *Pelosina*, and *Aschemonella*, as well as in the smaller species of *Hormosina* and *Reophax*. These, with a few specimens of *Saccammia spherica*, built up of *Globigerina* shells, together with *Verneuilina propinqua* and two or three varieties of *Haplophragmium*, represented the arenaceous groups. Of calcareous Foraminifera there were comparatively few in this rough material; such as were present were of the common *Globigerina* ooze species.

STATION 253.—July 14, 1875. Lat. 38° 9' N., long. 156° 25' W. Depth, 3125 fathoms; bottom temperature, 1°·0 C.; red clay.

Sticky mud, of which the little residue left after washing consisted chiefly of Radiolaria. It contained relatively a good many small arenaceous Foraminifera, such as *Reophax nodulosa* and *Reophax scorpiurus*, *Ammodiscus incertus* and *Ammodiscus gordialis*, *Thurammia papillata*, *Haplophragmium globigeriniforme*, and fragments of *Aschemonella catenata*; together with a few calcareous species. Some of the *Miliolæ* had extremely thin shells, and exhibited the same bluish or iridescent tinge, when freshly taken out of spirit, as the specimens from Station 238, already alluded to.

STATION 254.—July 17, 1875. Lat. 35° 13' N., long. 154° 43' W. Depth, 3025 fathoms; bottom temperature, 1°·0 C.; red clay.

This sounding was very similar to the foregoing; but the quantity washed was small, and the residue only sufficient to indicate in a general way that the Foraminifera were of much the same character.

STATION 256.—July 21, 1875. Lat. 30° 22' N., long. 154° 56' W. Depth, 2950 fathoms; bottom temperature, 1°·2 C.; red clay.

The description of the material from Station 253 applies in all essential particulars to this also, except that the number of small arenaceous Foraminifera was not here so large, nor the list of species so long.

STATION 260 A.—July 31, 1875. Off Reefs, Honolulu, Sandwich Islands. Depth, 40 fathoms; coral-sand.

This material presented a Rhizopod-fauna rich in the ordinary coral-reef species of *Heterostegina*, *Amphistegina*, *Polytrema*, *Cymbalopora*, *Textularia*, *Orbitolites*, and the various *Milioline* genera. Amongst the less common