

3. *Challengeria sigmodon*, n. sp.

Shell circular, nearly spherical, slightly compressed. Peristome with a single simple tooth, which is S-shaped, more or less curved, and about one-third as long as the shell.

*Dimensions*.—Diameter of the shell 0·3 to 0·4, length of the tooth 0·1 to 0·14.

*Habitat*.—North Pacific, Station 231, depth 2250 fathoms.

4. *Challengeria tritonis*, n. sp. (Pl. 99, fig. 5).

Shell ovate, slightly compressed. Peristome with a single simple tooth, which is vertical, straight, slenderly conical, and about half as long as the shell.

*Dimensions*.—Diameter of the shell 0·15 to 0·2, length of the tooth 0·1 to 0·12.

*Habitat*.—North Atlantic, Færøe Channel, Gulf Stream, in great numbers, in depths from 100 to 600 fathoms. (Expedition of H.M.S. "Triton," 1882), John Murray.

5. *Challengeria pyramidalis*, n. sp.

Shell slenderly ovate, one and a half times as long as broad, slightly compressed. Peristome with a single, simple, large tooth, which is three-sided pyramidal, vertical, straight, and longer than half the shell.

*Dimensions*.—Length of the shell 0·6 to 0·8, breadth 0·4 to 0·5; length of the tooth 0·4 to 0·5.

*Habitat*.—South Atlantic, Station 318, depth 2040 fathoms.

6. *Challengeria cyrtodon*, n. sp.

Shell ovate, lenticular, strongly compressed. Peristome with a single simple tooth, which is crescent-shaped, curved over the mouth, and about half as long as the shell.

*Dimensions*.—Length of the shell 0·4 to 0·5, breadth 0·3 to 0·4; length of the tooth 0·2 to 0·25.

*Habitat*.—South Pacific, Station 289, depth 2550 fathoms.

Subgenus 2. *Challengeretta*, Haeckel.

*Definition*.—Peristome with a forked or bifid tooth, or with two parallel lateral teeth (*Challengeria diodontes*).

7. *Challengeria sloggettii*, John Murray (Pl. 99, fig. 4).

*Challengeria harstoni*, John Murray, 1879 (*partim*), in *litteris*, Narr. Chall. Exp., vol. i. p. 226, pl. A, fig. 14.

Shell triangular, strongly compressed, with three rounded corners, or nearly semicircular; its aboral margin straight, horizontal, longer than the convex, dorsal, and ventral margins. Peristome