

genera as *Salmacis*, *Temnopleurus* and their allies, especially of such forms as *Trigonocidaris*, where the number of anal plates is usually four, and compare it with the growth of the anal system of *Salenia*. I have, fortunately, a number of very young *Salenia* dredged in the last "Blake" expedition, and hope in my Report on the Echini of the cruise to return to this subject again.

In none of the specimens of *Podocidaris sculpta* thus far examined (20 +) have I found more than four anal plates.

All the specimens of *Parasalenia* examined (9 +) have four anal plates. Among the smaller specimens of *Cælopleurus maillardi* collected by the Challenger at Amboyna, of the thirteen specimens examined all had four anal plates. The same was found to be the case in the four large specimens from the Straits of Basilan.

Of the "Blake" specimens of *Cælopleurus floridanus* I have examined four collected at Barbados and fifteen at Montserrat; they all had only four anal plates.

#### *Arbacia dufresnii*.

*Echinus Dufresnii*, BL, 1825, Dict. Sc. Nat. O.

*Arbacia Dufresnii*, Gray, 1835, Proc. Zool. Soc. London.

Nightingale Island; 100 to 150 fathoms.

Station 308. January 5, 1876. Lat. 50° 10' S., long. 74° 42' W.; 175 fathoms; mud.

Station 304. December 31, 1875. Lat. 46° 53' S., long. 75° 11' W.; 45 fathoms; sand.

#### *Arbacia nigra*.

*Echinus niger*, Molin, 1782, Chili (non Rumph).

*Arbacia nigra*, A. Agassiz, 1863, Bull. Mus. Comp. Zool., vol. i. p. 20.

Gray (1835) did not mention *Echinus nigra* in his list of species belonging to *Arbacia*, though it was evident he intended to do so.<sup>1</sup> In making out my chronological lists (Revision of the Echini), though the species *Echinus nigra* does not appear till 1863 under the name of *Arbacia nigra*, it having then been credited to Gray by mistake, it was accidentally omitted from the list of species, appearing under a new name in A. Agassiz, 1863, Bull. Mus. Comp. Zool., consequently Gray is quoted under *Arbacia nigra* by mistake (Revision of the Echini, p. 401).

Valparaiso shore. November 1875.

#### *Arbacia pustulosa*.

*Cidaris pustulosa*, Leske, 1778, Klein Add.

*Arbacia pustulosa*, Gray, 1835, Proc. Zool. Soc. London.

St Vincent, Cape Verde Islands.

<sup>1</sup> A. Agassiz, 1863, Bull. Mus. Comp. Zool., vol. i.