

D.—ACANTHOIDEA.

Insertion plates thrown forward.

*Plates broad, pectinated (*Acanthoidea lophyroidea*).

Sclerochiton, Carp.

**Plates sharp, grooved outside (*Acanthoidea typica*).

Acanthopleura, Guilding.

- a. *Lucilina*, Dall.
- b. *Corephium*, Gray.
- c. *Francisia*, Carp.

***Plates sharp, smooth (*Acanthoidea ischnoidea*).

Dinoplax, Carp.

Middendorffia, Carp.

- a. *Beanella*, Dall.

Nuttallina, Carp.

Arthuria, Carp.

Phacellopleura, Guilding.

SECTION II.—CHITONES IRREGULARES.

Tail plate abnormal, or with a sinus behind.

E.—SCHIZOIDEA.

Tail valve fissured.

Lorica, H. and A. Adams.

- a. *Aulacochiton* (Shuttleworth), Carp.

Schizochiton, Gray.

F.—PLACIPHOROIDEA.

Tail valve unslit, internally ridged, mucro nearly terminal.

Enoplochiton, Gray.

Ornithochiton, Gray.

Placiphora, Gray.

- a. *Fremblya*, H. Adams.
- b. *Euplaciphora*, Shuttleworth.
- c. *Guildingia*, Carp.

G.—MOPALOIDEA.

Tail valve with posterior sinus and one slit on each side.

Mopalia, Gray.

- a. *Placiphorella*, Carp.

Katherina, Gray.

Acanthochiton (Leach), Herrm.

- a. *Macandrellus*, Carp.

- b. *Stectoplax*, Carp.

Notoplax, H. Adams.