

SYSTEMATIC SURVEY

Of the 4 Classes, 9 Sub-classes, and 20 Orders of Star-fishes.

(Compare Gen. Morph. II. Plate IV. pp. 62-67.)

<i>Classes of the Star-fishes.</i>	<i>Sub-classes of the Star-fishes.</i>	<i>Orders of the Star-fishes.</i>	<i>Systematic Name of the Orders.</i>
I. Sea Stars Asterida	I. Sea Stars with ra- diated stomach <i>Actinogastra</i>	1. Primary Stars 2. Articulated Stars 3. Brisinga Stars	1. Tocastra 2. Colastra 3. Brising- astra
	II. Sea Stars with disc- shaped stomach <i>Discogastra</i>	4. Serpent Stars 5. Tree Stars 6. Lily Stars	4. Ophiastra 5. Phytastra 6. Crinastra
II. Sea Lilies Crinoida	III. Lilies with arms <i>Brachiata</i>	7. Plated Lilies with arms 8. Articulated Lilies with arms	7. Phatnocri- nida 8. Colocrinida
	IV. Lilies with buds <i>Blastoidea</i>	9. Regularly budding Lilies 10. Lilies budding on two sides	9. Pentremi- tida 10. Eleuthero- crina
	V. Bladder Lilies <i>Cystidea</i>	11. Bladder Lilies without stalks 12. Bladder Lilies with stalks	11. Agelacri- nida 12. Sphæroni- tida
III. Sea Urchins Echinida	VI. Older Sea Urchins (with more than 20 rows of plates) <i>Palechinida</i>	13. Palechinida with more than 10 rows of ambu- lacrall plates 14. Palechinida with 10 rows of am- bulacrall plates	13. Melonitida 14. Eocidaria
	VII. More recent Sea Urchins (with 20 rows of plates) <i>Autechinida</i>	15. Autechinida with band-like am- bulacra 16. Autechinida with leaf-like ambulacra	15. Desmo- sticha 16. Petalo- sticha
IV. Sea Cucumbers Holothuriæ	VIII. Sea Cucumbers with aquatic feet <i>Eupodia</i>	17. Eupodia with scu- tiform tentacles 18. Eupodia with branching ten- tacles	17. Aspidochi- rota 18. Dendrochi- rota
	IX. Sea Cucumbers without aquatic feet <i>Apodia</i>	19. Apodia with water- lungs 20. Apodia without water-lungs	19. Lioderma- tida 20. Synaptida