b. Monacanthid: Armature of the adambulacral plates consist-	
ing of one spine.	
a. Abactinal spinelets isolated, with large pedicellarize in-	
terspersed	. perrieri.
b. Pentactinid: Having five rays.	30 <b>A</b> 0 50 3 50 3 50 3 50 3 50 3 50 3 50 3 5
a. Diplacanthid: Armature of the adambulacral plates consist-	
ing of two spines.	
a. Spiniferous actinal plates contingent on the adambul-	
acral plates, and bearing an oblique series of three	
spinelets. Spinelets generally with a high-mount-	
ing, abruptly-terminating sheath of membrane sur-	
mounted by a wreath of pedicellarise	torquata.
β. Spiniferous actinal plates well spaced from the adam-	
bulacral plates, and bearing only one or two	
spinelets.	
i. With a vertical lateral wall.	
1. Abactinal spines with vesiculated pedicel-	
larise, forming tuft-like groups. Arma-	
ture of the adambulacral plates regularly	
diplacanthid	. glomerata.
2. Abactinal spines not surrounded by vesicu-	
lated pedicellarize, and, though pedicel-	
larise are numerous, they do not form	
tuft-like groups. Armature of the ad-	
ambulacral plates alternately or irregu-	
larly diplacanthid and monacanthid .	. rubens.
ii. With an angular margin. Abactinal spines	
isolated. Pedicellarize not vesiculated and	
more or less distributed.	
1. Supero-marginal plates with a single longi-	
tudinal series of spines	. versicolor.
2. Supero-marginal plates with a grouped series	
of spines	. amurensis.
b. Monacanthid: Armature of the adambulacral plates consist-	
ing of one spine.	
a. Abactinal spinelets isolated, and having large isolated	
forcipiform pedicellariæ interspersed	. cunninghami
B. Asterias sulcifera group: Several series of actinal intermediate plates pre-	
sent, bearing spinelets which form regular longitudinal and transverse series. Madreporiform body echinoplacid (Bell) Sub-gen.	<b>a</b>
a. Abactinal spines vesiculated. Numerous large forficiform pedicellarize	COSMASTERIAS.
on the abactinal surface .	. tomidala.
b. Abactinal spines not vesiculated. Forficiform pedicellarize absent on the	. tomsaata.
abactinal surface or of rare occurrence and not remarkably large.	. sulcifera.
C. Asterias scalprifera group: Armature of the adambulacral and infero-	· · · · · · · · · · · · · · · · · · ·
marginal plates consisting of flattened spines, forming transversely or	
obliquely placed combs. Abactinal plating forming a sub-compact	
	SHILASTERIAS.
a. Armature of the adambulacral plates consisting of three spines. In-	
fero-marginal plates with oblique combs of four spines	. scalprifera.