	b. Adambulacral armature with three spines in the second series. With an aboral line of spinelets on the infero-marginal plates. Actinal spinulation spatulate, obtusely rounded or pointed. Lateral spines cylindrical or slightly flattened b. Four or five lateral spines in diagonal line. Outer spines of the adambulacral armature short, not broad nor flaring, placed diagonally. An aboral	irregularis.
	line of spinelets on the infero-marginal plates	pontoporæus.
D.	With no spinolets on the supero-marginal plates, excepting in some species a very small one on the first or first four or five plates in the interbrachial arc.	pomoporaus.
	a. With small spinelets on the first four or five plates.	
	a. With four or five spinelets. A well-developed series of pseudo-	
	pedicellarim	zebra.
	b. With one spine only, on the first plate. No pedicellarize	velitaris.
	b. With no spines whatever on the supero-marginal plates.	
	a. One lateral spine.	
	a. With two or three spines in the second series of the adam- bulacral armature.	
	i. Supero-marginal plates broad, with small granules.	
	Paxillo with five to eight granules (or spine-	
	lets) on the central tabulum	granulatu s
	Paxilles with one granule on the central	
	tabulum. b. Lateral spines two, side by side. Infero-marginal plates covered with squamules. An aboral line of spinelets present. Lateral	monacanthus.
	spines taper and pointed. Supero-marginal plates very broad. c. Lateral spines four, in an oblique line. Spines of the adambulacral	cingulatus.
	armature all cylindrical and taper. Infero-marginal plates with papilliform spinelets rather than squamules. No aboral line of	
	spinelets. Supero-marginal plates not very broad	mesactus.

Chorology of the Genus Astropecten.

a. Geographical distribution :-

ATLANTIC: Twenty-two species between the parallels of 70° N. and 40° S.

On the eastern side: Astropecten irregularis, off the coasts of Scundinavia and Britain; and in the Mediterranean (fide Marion). Astropecten servatus, off the west coast of France (this species is also reputed to be a Mediterranean form, but its claim to be so considered appears to be doubtful). Astropecten aurantiacus, Astropecten bispinosus, Astropecten jonstoni (= Astropecten squamatus, M. and T.), Astropecten pentacanthus, Astropecten platyacanthus, and Astropecten spinulosus, in the Mediterranean. Astropecten aurantiacus also extends to the Canary Islands. Astropecten hermatophilus, off the