dimorpha.

possession of characters which fully warrant their separation. As now classified, the species present a remarkable similarity of general facies, and the comparatively small amount of morphological plasticity exhibited by the genus is extraordinary, considering the wide geographical area over which it is distributed. The bathymetrical range is also remarkable, extending from the commencement of the continental zone to the greatest depth at which starfishes have been found.

The genus Freyella is distinguished from the other members of the Brisingida by having the disk and the basal portion of the rays covered with scale-like, calcareous plates, frequently imbricating, and forming a more or less compact calcareous casement. The plates bear one or more spinelets. No papulæ are present.

Synopsis of the Species included in the Genus Freyella, herein described.

Synopsis of the Species included in the Genus Freyella, her	ein a	iescrivea.
A. Rays ten or more in number.		
a. Mouth-spines free and spiniform. Abactinal plating well-developed and imbricating.		
a. Mouth-spines proper three or four on each plate.		
a. Adambulacral armature with the inner spine doubled.		
Rays ten in number, broad and robust		pennata.
β. Adambulacral armature with the inner spine single.		
Rays seventeen in number, very delicate		polycnema.
b. Mouth-spines proper one or two on each plate. Adambulacral		ā 12
armature with one inner spine. Rays usually more than		
ten in number (10 to 12).		
a. Abactinal plates bearing large spinelets with mem-		
branous sheaths crowded with pedicellarise. Rays		
eleven or twelve in number		echinata.
β. Abactinal plates bearing small spinelets with simple		
membrane devoid of pedicellarise.		
i. Buccal membrane with largely developed		
papilliform villous appendages. Rays		
ten or eleven in number	•	fragilissima.
ii. Buccal membrane with no specially developed		
villous appendages.		
 Rays constantly twelve in number. Spine- 		
lets on the abactinal plates few, one to		
three on each. Lateral spines rather		
short and not very delicate. Outer		
mouth-spines forming a bar across the		20
ambulacral furrow	•	bracteata.
2. Rays ten to twelve in number. Spinelets		
on the abactinal plates more nume-		
rous, five to ten on each. Lateral		
spines long and very delicate. Outer		
mouth-spines not forming a bar across		· ·

the ambulacral furrow