

*Synoptical Table of the Five Species of Stannophyllum, showing the Specific Characters in External Form and Internal Structure of these Five Transitional Species.*

Species.	Material of the Skeleton.	Network of the Fibrillæ Bundles.	Spongin-Fibrillæ.	Consistency of the Flabelliform Leaf.	Distal Margin of the Leaf.	Faces of the Leaf.	Colour.	Size (Diameter of the Leaf).
I. <i>Stannophyllum zonarium</i> (Pl. I. fig. 1).	Spongin-fibrillæ prevailing, with many Radiolarian shells.	Very dense and regular, with thick bundles crossed in certain directions.	Very much alike, of medium thickness.	Thick, soft and elastic.	Reniform, integral, rather thick.	With concentric equal zones, coriaceous.	Brown (yellowish).	4 to 8 centimetres.
II. <i>Stannophyllum radiolarium</i> (Pl. I. fig. 2).	Siliceous Radiolarian shells prevailing, with few spongin-fibrillæ.	Rather dense and regular, with thin bundles, or many isolated.	Very thin and delicate, of nearly equal thickness.	Thin, rather solid and rigid.	Semicircular, integral, very thin.	Finely granular, even, without zones and ribs.	White or light grey (yellowish).	3 to 6 centimetres.
III. <i>Stannophyllum pertusum</i> (Pl. I. fig. 3).	Radiolarian shells prevailing in the distal part, <i>Globigerina</i> shells in the ribs and the proximal part.	Rather loose and irregular, especially in the basal portion.	Rather unequal, for the most part thin and interwoven.	Thin, very soft and flabby, inelastic.	Reniform, divided into numerous quadrangular lobes.	Reticular, pierced by numerous holes, very soft, with ribs, without zones.	Brown with greyish ribs.	10 to 20 centimetres.
IV. <i>Stannophyllum venosum</i> (Pl. I. fig. 4).	Radiolarian shells prevailing in the distal part, <i>Globigerina</i> shells in the ribs and the proximal part.	Very irregular and loose, especially in the ribs, denser in the lamellæ between them.	Very unequal, thick and coarse in the ribs, thin in the lamellæ between them.	Heteromorphous, with thick prominent ribs or veins, and thin tissue between them.	Semicircular, more or less irregularly lobulate or undulate.	Veined, with thick white branched ribs, without zones.	Brown, with white ribs.	20 to 25 centimetres.
V. <i>Stannophyllum globigerinum</i> (Pl. I. fig. 5).	Calcareous <i>Globigerina</i> shells prevailing, with scanty Radiolarian shells.	Very irregular and loose, felty, interwoven in all directions.	Very unequal, of varying diameter, many coarse between prevailing fine threads.	Thick, very fragile and flabby, inelastic.	Subovate or truncate, integral, not lobate, very thick.	Coarsely granular, very rough, without ribs, often with indistinct zones.	White or yellowish (greyish).	6 to 9 centimetres.