

in place of five, for which we adopt the name *pattersoni*, that being the earliest we can find (*vide* synonymy above). The species has a wide range, and presents considerable variation in its spiculation. It is not improbable that other forms, hitherto regarded as distinct, will also sooner or later have to be included in this species. *Iophon piceum*, Vosmaer, comes near to it in spiculation, but is described as cup-shaped; it is unusual for an *Iophon* to have a well-marked external form, and this is perhaps a good specific character.

Variety.	Spined Styli. mm.	Tylota. mm.	Locality.
<i>proximum</i>	Slightly spined all over; tapering from near apex, . . . . . 0·158 by 0·009	With distinct heads, which are distinctly spined, . . . . . 0·16 by 0·008	Strait of Magellan.
(Challenger)	Slightly spined all over, more so near the base and apex; tapering from near apex, . . . . . 0·17 by 0·007	Heads very slightly developed, very feebly or not at all spined, . . . . . 0·19 by 0·005	Tristan da Cunha.
<i>nigricans</i>	Slightly spined, more so on the base, apex usually smooth; tapering gradually from base to apex, . . . . . 0·213 by 0·008	Very slender; heads barely visible or absent, not spined, . . . . . 0·195 by 0·003	British Isles.
(Challenger)	Considerably spined all over; tapering from near apex, . . . . . 0·22 by 0·01	Heads distinct and distinctly spined, . . . . . 0·2 by 0·006	Off south-west coast of Patagonia.
<i>hyndmani</i>	Spines mostly near base; tapering from middle, . . . . . 0·228 by 0·019	Very slight, faintly spined heads, . . . . . 0·196 by 0·004	British Isles.
<i>pattersoni</i>	Slightly spined all over; tapering from near middle, . . . . . 0·234 by 0·01	Heads scarcely distinguishable from shaft, . . . . . 0·25 by 0·006	British Isles.
(Challenger)	Strongly spined all over; tapering from near apex, . . . . . 0·24 by 0·011	Heads distinct, slightly spined, . . . . . 0·24 by 0·007	Off west coast of Patagonia.
<i>scandens</i>	Very slightly spined all over; tapering from near apex, . . . . . 0·262 by 0·012	Heads distinct, slightly spined, . . . . . 0·245 by 0·006	British Isles.

*Localities.*—Station 308, January 5, 1876; lat. 50° 8' 30' S., long. 74° 41' 0" W.; off the west coast of Patagonia; depth, 175 fathoms; bottom, blue mud. Fragments.  
Station 311, January 11, 1876; lat. 52° 45' 30" S., long. 73° 46' 0" W.; off the south-west coast of Patagonia; depth, 245 fathoms; bottom, blue mud; bottom temperature, 46°. A number of fragments.

Off Nightingale Island, Tristan da Cunha. A number of fragments.

*Habitat.*—The Minch (Bowerbank); Strangford Loch (Professor Dickie, given by Bowerbank); off Hastings (Bowerbank); Shetland (Norman, given by Bowerbank); Strait of Magellan (Ridley); Tristan da Cunha (Challenger); west coast of Patagonia (Challenger).