

ACCOUNT OF OTHER KNOWN SPECIES OF SPINTHAROPHORA NOT IN THE CHALLENGER
COLLECTION.

Demus I. CENTROSPINTHARA.

Family I. AXINELLIDÆ.

Genus 11. *Hemiasterella*.

Hemiasterella typus, Carter.

Hemiasterella typus, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. iii. p. 146, pl. xxi. fig. 9, 1879.

Sponge.—Cyathiform (bowl-shaped), with thin walls, and deeply dentated irregular edges; proliferous on the inner side. Substance cork-like. Surface rugosely reticulate on each side, covered with an incrustation of small asters, and hispidated by long setaceous strongyloxeas. Pores and oscules not conspicuous.

Spicules.—I. Megascleres. 1. *Strongyloxea*, curved, 1.67 by 0.0278 mm.

II. Microsclere. 2. *Choanosomal aster*, actines variable in number, from four to eight, oxeate, centrum absent, 0.035 mm. in diameter. 3. *Somal aster*, similar, but smaller, and with more numerous actines.

Size, 275 mm. by 100 mm. across the brim, 150 mm. deep, wall 4.16 mm. thick.

Habitat.—(?).

Remarks.—This appears to closely resemble *Epallax callocyathus* (see p. 423), Should subsequent examination prove the two sponges to be congeneric, my name must be suppressed in favour of Carter's.

Family II. DORYPLERIDÆ.

Dorypleres affinis (Carter).

Hemiasterella affinis, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. iii. p. 147, pl. xxi. fig. 10, 1879.

Sponge.—Long, narrow, cylindroconic; excavated by a conical cavity extending nearly the whole depth of the sponge; proliferous on the outward surface. Surface rugosely reticulate; covered with an incrustation of small asters, hispidated by long oxeas. Pores and oscules not conspicuous.

Spicules.—I. Megasclere. 1. *Oxea*, fusiform, curved, 1 by 0.0278 mm.

II. Microscleres. 2. *Choanosomal aster*, centrum small or absent, actines oxeate,