

are aspidal pores (two at the base of each spine), the others sutural pores. All pores nearly of the same size. As the shell of this species is very dark and thick-walled, it was impossible to obtain more information with regard to the pores. Radial spines very stout; the outer conical part shorter than the inner cylindrical part.

*Dimensions*.—Diameter of the shell 0·2, of the pores 0·006 to 0·008.

*Habitat*.—North Pacific, Station 236, surface.

### Genus 355. *Hystrichaspis*,<sup>1</sup> n. gen.

*Definition*.—Dorataspidida with twenty plates, which are perforated by forty aspidal pores (two pores in each plate). Surface of the shell with numerous dimples, separated by a network of elevated combs. Numerous by-spines.

The genus *Hystrichaspis* has the same structure with regard to the shell, as its ancestral form *Ceriaspis*, and differs from the latter only in possessing numerous by-spines. Moreover, in the former the dimples of the shell-surface are either all perforated by pores, or some of them are blind.

#### Subgenus 1. *Hystrichasparium*, Haeckel.

*Definition*.—Shell with seventy to one hundred or more funnel-shaped dimples, each of which opens on the bottom by one aperture or by a couple of pores; twenty larger dimples in the centre of the plates (each with a couple of pores, sometimes also three couples) and fifty to one hundred or more smaller dimples, each of which contains one sutural pore. No blind dimples between the perforated dimples.

#### 1. *Hystrichaspis pectinata*, n. sp. (Pl. 138, fig. 8).

Shell with numerous (one hundred to two hundred?) funnel-shaped dimples, each of which is pierced at the bottom by one or two pores; twenty larger dimples in the centre of the plates (each with two aspidal pores), and fifty to one hundred and fifty or more smaller dimples (each with one sutural pore). No blind dimples. Crests between the dimples armed with a continuous series of simple by-spines. Radial main spines stout, in the inner half cylindrical, in the outer conical, more or less compressed.

*Dimensions*.—Diameter of the shell 0·13, of the pores 0·004 to 0·006.

*Habitat*.—Tropical Atlantic, Station 352, surface.

#### 2. *Hystrichaspis furcata*, n. sp. (Pl. 138, fig. 9).

Shell with numerous (one hundred to two hundred?) funnel-shaped dimples, each of which is pierced at the bottom by one or two pores; twenty larger dimples in the centre of the plates (each

<sup>1</sup> *Hystrichaspis* = Porcupine-shield; *υστριχασπις*, ἀσπίς.