

Dimensions.—Diameter of the shell 0·1 to 0·12, of the pores 0·002 to 0·01; length of the tubuli 0·05 to 0·07.

Habitat.—Central Pacific, Station 266, depth 2750 fathoms.

3. *Mazosphæra lævis*, Ehrenberg.

Mazosphæra lævis, Ehrenberg, 1872, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 297, Taf. vii fig. 7.

Shell spherical, with very small pores, scarcely one-fourth as broad as the bars. Fifteen to twenty pores on the half meridian of the shell. Between them, irregularly distributed, a variable number (fifteen to twenty) of short conical tubules, about as long as broad, only one-fifth to one-sixth as long as the shell radius. Mouth of the tubuli truncated, with an obtuse short tooth on one side.

Dimensions.—Diameter of the shell 0·08 to 0·09, of the pores 0·001 to 0·002, of the bridges 0·005 to 0·008; length of the tubuli 0·01 to 0·02, breadth of them the same.

Habitat.—Philippine Islands (depth 3300 fathoms), Ehrenberg; Station 206, depth 2100 fathoms; Station 225, depth 4575 fathoms.

4. *Mazosphæra apicata*, Ehrenberg.

Mazosphæra apicata, Ehrenberg, 1872, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 316.

Shell spherical, without small pores, only with a variable number (ten to twenty) of short conical tubules, twice as long as broad, and half as long as the shell radius. Mouths of the tubuli obliquely truncated, with a strong acute tooth on one side. (This species differs from the two preceding by the want of the small pores between the tubules.)

Dimensions.—Diameter of the shell 0·08 to 0·1, of the tubules 0·01.

Habitat.—Philippine Islands (depth 3300 fathoms), Ehrenberg; north coast of New Guinea, depth 2000 fathoms; Station 217.

Genus 38. *Trypanosphæra*,¹ n. gen.

Definition.—Colloosphærida with simple shells, the pores of which are prolonged into external simple radial tubuli with solid walls; outer mouth of each tubulus armed with a coronal of spines.

The genus *Trypanosphæra* is intermediate between *Siphonosphæra* and *Chænicosphæra*, agreeing with the former in the tubular prolongation of the pores, with the latter in the possession of a coronal of teeth on their outer opening.

Subgenus 1. *Trypanosphærulea*, Haeckel.

Definition.—All pores of the shell prolonged into short coronated tubules.

¹ *Trypanosphæra* = Auger-sphere; τρύπανον, σφαῖρα.