

Valves fusiform-lanceolate with obtuse, rostrate to slightly capitate ends; striae marginal; pseudoraphe broadly lanceolate. Length 80–150 μ .

DISTRIBUTION. Lord Howe Island, in shallows; northern Coral Sea; Indonesia; recorded as *S. affinis* from Kerguelen by Heiden and Kolbe, 1928.

72. *Synedra rostrata* (Hantzsch) A.S. (Pl. 3, fig. 53).

A.S.A. 1920, 305.

Toxarium rostratum Hantzsch in Rabenhorst 1863, 1, 19.

Valves elongate, tumid in the middle and at ends; puncta scattered or in arcuate rows; frustules arcuate. Length 500 μ .

DISTRIBUTION. Planktonic, marine at Lord Howe Island.

Genus ENTOPYLA Ehr. 1848

73. *Entopyla ocellata* (Arnott) Grunow (Pl. 3, fig. 54).

E. ocellata v. *pulchella* has already been described in Part V.

The present typical form is more lanceolate and smaller than v. *pulchella*.

DISTRIBUTION. Port Hacking; sediments off Port Moresby and by Heiden and Kolbe 1928, from Kerguelen.

Genus PLAGIOGRAMMA Greville 1859

74. *Plagiogramma spinosum* Cleve (Pl. 3, fig. 55).

Cleve 1881, 4, 55.

Boyer 1927, 178.

Valves constricted in the middle and with rostrate, blunt ends; pseudoraphe scarcely evident; central space rounded as shown by Cleve (not oblong as in Boyer); terminal spaces elongate; valve surface punctate in transverse rows; marginal spines present. Length, 75 μ .

DISTRIBUTION. Sediments 20 miles south of Port Moresby.

75. *Plagiogramma validum* Greville (Pl. 3, fig. 56).

Greville 1859, 7, 209.

Boyer 1927, 179.

Valves linear-lanceolate, slightly inflated in the middle; central space oblong, terminal spaces semicircular; pseudoraphe evident; valve surface with transverse rows of puncta. Length 80–90 μ .

DISTRIBUTION. Sediments at 20m off Port Moresby.

Genus CYMATOSIRA Grunow 1862

76. *Cymatosira lorenziana* Grunow (Pl. 3, fig. 57).

Described with line drawing in Part IV. Plate illustration.

DISTRIBUTION. Timor Sea.

Genus PSEUDOEUNOTIA Grunow

Cells united into bands by valve surfaces, forming a semicircular band; valves linear with arcuate dorsal and straight or slightly curved ventral margins; pseudoraphe and nodules absent.

77. *Pseudoeunotia doliolus* (Wallich) Grunow (Pl. 3, fig. 58).

Grunow 1880-85 in van Heurck, 35, 22.

Cupp 1943, 190, 140.

Synedra doliolus Wallich 1860, 48, 2, 19.

Cells united into semicircular bands by valve surfaces; valves with arcuate dorsal and straight ventral margins and bluntly rounded ends; no nodules or pseudoraphe; surface with transverse striae separated by two rows of fine areolae. Length, 40–50 μ .

DISTRIBUTION. Common in Indonesian waters, found in Coral Sea.