

although the fine growth lines are more constant in the new species. The shape of the white area, the thick valves, the small size and the advanced ontogeny separate *P. pachys* from the other two species.

The shells in the New Zealand Geological Survey collection on which this species is based were identified as *Anomia boettgeri* Martin, a species described from Java. From the original description (Martin, 1909: 342) it appears that the holotype of *Anomia boettgeri* has copied the sculpture of a ribbed bivalve such as a pectinid. This is a character of *Anomia*, and does not occur in *Patro*. The figures of *A. boettgeri* (Martin, 1909: Pl. 48, Fig. 30, a) show an irregularly sculptured foliaceous shell, apparently belonging to true *Anomia*. The New Guinea specimens are therefore not considered to be conspecific or congeneric with *Anomia boettgeri*.

This species considerably extends the geographic range of fossil *Patro*. The three species discussed above are the only members of the genus *Patro* known to me.

Subfamily PLACUNANOMIINAE

Genus MONIA Gray

Monia zelandica (Gray, 1843). Text-fig. 2e, 2f.

1843. *Anomia zelandica*. Gray in Dieffenbach, Travels in New Zealand (2): 260.
 1850. *Placunanomia zelandica* Gray. Gray, Proc. Zool. Soc. London 17: 123 (in section *Monia*).
 1850. *Placunanomia ione*. Gray, Proc. Zool. Soc. London 17: 123 (in section *Monia*).
 1859. *Placunanomia zelandica* Gray. Reeve, Conch. Icon., *Placunanomia*, Pl. 1, f. 4.
 1859. *Placunanomia ione* Gray. Reeve, Conch. Icon., *Placunanomia*, Pl. 2, f. 6 a-c.
 1873. *Amonia Stoweii*. Hutton, Cat. Marine Moll. N.Z.: 83.
 1873. *Placunanomia zelandica* (sic) Gray. Hutton, Cat. Marine Moll. N.Z.: 84.
 1878. *Placunanomia Stoweii* Hutton. Hutton, J. de Conch. Paris 1878: 55.
 1878. *Placunanomia Zelandica* Gray. Hutton, J. de Conch. Paris 1878: 55.
 1878. *Placunanomia ione* Gray. Hutton, J. de Conch. Paris 1878: 55.
 1880. *Anomia Stoweii* Hutton. Hutton, Man. N.Z. Moll.: 173.
 1880. *Placunanomia zelandica* Gray. Hutton, Man. N.Z. Moll.: 174.
 1880. *Placunanomia ione* Gray. Hutton, Man. N.Z. Moll.: 174.
 1885. *Anomia Stoweii* Hutton. Hutton, Proc. Linn. soc. New South Wales (1)9: 532.
 1885. *Placunanomia neozelanica* (sic) "Gray". Hutton, Proc. Linn. soc. New South Wales (1)9: 532.
 1885. *Placunanomia ione* Gray. Hutton, Proc. Linn. soc. New South Wales (1)9: 533.
 1907. *Anomia furcata*. Suter, Trans. N.Z. Inst. 39: 262, Pl. 9, f. 9, 10.
 1913. *Anomia furcata* Suter. Suter, Man. N.Z. Moll.: 842, Pl. 51, f. 6, 6a.
 1913. *Placunanomia zelandica* Gray. Suter, Man. N.Z. Moll.: 845, Pl. 56, f. 1, 1a.
 1923. *Monia furcata* (Suter). Oliver, Proc. Mal. soc. London 15(4): 180.
 1927. *Monia furcilla*. Marwick, Trans. N.Z. Inst. 58(4): 444, f. 20.
 1928. *Monia zelandica* (Gray). Finlay, Trans. N.Z. Inst. 59(2): 271.
 1939. *Monia ione* (Gray). Iredale, Gt. Barrier Reef Exp. Rept., 5(6), Moll. (1): 405.
 1961. *Monia ione* (Gray). Cotton, South Australian Mollusca, Pelecypoda: 116, f. 102.
 1961. *Monia ione* (Gray). MacPherson and Gabriel, Marine Molluscs of Victoria: 311, f. 352.
 1961. *Monia furcata* (Suter). Powell, Shells of N.Z. ed. 4: 119.
 1961. *Monia zelandica* Gray. Powell, Shells of N.Z. ed. 4: 119, Pl. 11, f. 12.

Oliver (1923: 180) placed *Anomia furcata* Suter in *Monia*. This was confirmed by Finlay (1927: 446), and by me after examination of the types, which are in the New Zealand Geological Survey collection.