

- Lophyrus concentricus*, Angas, Proc. Zool. Soc. Lond., 1867, p. 221, No. 228.
 „ *jugosus*, Angas, Proc. Zool. Soc. Lond., 1867, p. 222, No. 231.
Chiton jugosus, E. A. Smith, Rep. Zool. Collect. "Alert," 1884, p. 78.

Port Jackson, Sydney. 6 to 15 fathoms.

This species was independently described by Gould and Reeve about the same time. Angas distinguishes *Chiton jugosus* as having the terminal valves smooth, whereas they are concentrically grooved in *Chiton concentricus*, but this distinction does not appear to be of sufficient importance to separate the two forms. The two Challenger specimens have the terminal valves smooth, or, at most, with lines of growth, but the concentric lines on the valves are very deceptive. Angas found specimens of the latter at Watson's Bay with "the second valve sometimes blood-colour or scarlet;" one of the Challenger specimens has this peculiarity. The specimens Angas identified as *Lophyrus jugosus*, with smooth terminal valves, occurred at Camp Cove. Both were found at very low tides.

All the localities are from New South Wales, as Smith says, "Confirmation of the New Zealand locality (Reeve) of this species is still wanting."

D.—ACANTHOIDEA.

Genus *Acanthopleura* (restricted by Carpenter), Guilding.

Acanthopleura spiniger (Sowerby).

- Chiton aculeatus*, Quoy and Gaimard (not of Gmelin?), Voyage de l'Astrolabe, Zool., 1834, vol. iii. p. 373; Atlas, pl. lxxiv. figs. 1-5.
 „ *spiniger*, Sowerby, Conch. Illust., 1841, p. 1, pl. clxi. fig. 68.
 „ „ Reeve, Conch. Icon., 1847, pl. xiv. fig. 75.
Maugeria spinigera, Gray, Guide Moll. Brit. Mus., 1857, p. 184.
Acanthopleura spinigera, Dall, Proc. U.S. Nat. Mus., 1882, vol. i. p. 80.
 „ *spiniger*, E. A. Smith, Zool. Collect. H.M.S. "Alert," 1884, p. 81.
Chiton granatus,¹ Reeve, Conch. Icon., 1847, pl. v. fig. 24 (Mus. Cum.).
 „ *macgillivrayi*,¹ A. Adams, Proc. Zool. Soc. Lond., 1855, p. 120.
Maugeria owenii,¹ Gray, Guide Moll. Brit. Mus., 1857, p. 184.
Acanthopleura glareosa,¹ Carpenter MSS. in Mus. Cum. (Brit. Mus.)
Chiton borbonicus (?),¹ Deshayes, Moll. de Réunion, 1863, p. 37, pl. v. figs. 12, 13.
 „ *piceus* (?),¹ Reeve (*non* Gmelin), Conch. Icon., 1847, pl. xiii. fig. 70.
 = „ *obesus*,¹ Shuttleworth, Bern Mittheil., 1853, p. 79.
 „ *cunninghamii* (?),¹ Reeve, Conch. Icon., 1847, pl. xxvii. fig. 181 (Mus. Cum.).

Habitat.—Station 187. September 9, 1874. Lat. 10° 36' S., long. 141° 55' E. Albany Island, Cape York, North Australia. 6 fathoms. Coral mud.

Philippine Islands (Cuming); New Guinea, New Ireland (Quoy and Gaimard); Port Essington (Jukes); Port Molle and Clairemont and Bird Island (Coppinger); New Zealand and Tongatabou, Friendly Islands (Quoy and Gaimard); Fiji (for *Acanthopleura macgillivrayi*); New Zealand (for *Acanthopleura glareosa*).

¹ These synonyms are given on the authority of Mr E. A. Smith, *loc. cit.*