

letterpress, both of which he still further improved in the Jahrb. deutsch. malak. Gesellsch., which, though (*teste* the title-pages) earlier by four years, really followed the part of the Conch. Cab. containing these species.

Apart from such questions regarding the specific identity of these forms lies a further difficulty, viz., by what name the species must be called. The name *carinatum* had been already, in 1832 (two years before Gray used it), attached by Bivona to a fossil *Pleurotoma* from Calabria (Biv., fil. Gener. and sp. posthum., p. 12; see Phil., Enum., vol. ii. p. 176, pl. xxvi. fig. 19), and the English Crag (Searles Wood, Crag Moll., Pal. Soc., vol. i. p. 54, pl. vi. fig. 2) now living in Scotland (Jeffreys, Brit. Conch., vol. v. p. 321, pl. cii. fig. 7), and in Norway (G. O. Sars, Moll. Reg. Arct. Norv., p. 242, pl. xvii. fig. 5). Gray's name of *carinatum* for the Pacific species must, therefore, be abandoned. Mr. E. A. Smith informs me that this Pacific species is probably the same as that which Gray afterwards described in the Zoology of Beechey's Voyage, 1839, p. 119, under the name of *Pleurotoma coniformis*. It would be very satisfactory if this could be established, but in the meantime Reeve's name is probably the best, and I have accordingly adopted it here.

4. *Pleurotoma tigrina*, Lamarck.

- Pleurotoma tigrina*, Lamarck, Anim. s. vert., vol. vii. p. 95, and (ed. Desh.) vol. ix. p. 352, sp. 20.
 " " Deshayes, Encycl. méthod., vers., vol. iii. p. 794, sp. 7, pl. cccxxxix. fig. 6.
 " " Kiener, Iconog., p. 10, sp. 6, pl. viii. fig. 1.
 " " Reeve, Conch. Icon., vol. i. pl. i. fig. 3.
 " " Gould, U.S. Expl. Exped., p. 249, pl. xviii. fig. 311.
 " " Weinkauff, Conch. Cab. (ed. Küster), p. 13, sp. 5, pl. ii. figs. 5-7.
 " " Brazier, "Chevert" Exped., Proc. Linn. Soc. New South Wales, vol. ii. p. 368.
 " " v. Martens, Moll. Mauritius, &c., p. 226.

July 29, 1874. Levuka, Fiji. 12 fathoms.

Habitat.—North-East Australia and Torres Strait (Brazier), Ticao, Philippines (Reeve), Fiji (British Museum), Indian Ocean, from Madagascar to the Malay Archipelago (v. Martens).

Gould's figure and description of the animal of this species is so very different from the received generic diagnosis, say of Adams or Weinkauff, still more of Gray in his Guide, pp. 7, 8, as grievously to shake one's confidence in the whole of the so-called "science" of malacology, based as it largely is on specimens much changed from their original form by the spirit of wine in which they have been preserved.

5. *Pleurotoma undosa*, Lamarck.

- Pleurotoma undosa*, Lamarck, Anim. s. vert., vol. vii. p. 95, and (ed. Desh.) vol. ix. p. 351, sp. 18.
 " " Encycl. méthod., vers., pl. cccxxxix. fig. 5.
 " " Kiener, Iconog., p. 13, sp. 9, pl. iii. fig. 2.
 " " Reeve, Conch. Icon., vol. i. pl. iii. fig. 18.
 " " Weinkauff, Conch. Cab. (ed. Küster), p. 18, sp. 11, pl. iii. figs. 7, 8.
 " " Tryon, Manual, vol. vi. p. 166, pl. iii. fig. 21.

September 9, 1874. Albany Island, Cape York, Torres Strait. 3 to 12 fathoms.