

true *Littorinidæ*) but may perhaps belong to *Adeorbis*, the operculum of which does not seem to be known. I should like to examine the other species of *Fossarina*.

LIST OF THE FRESHWATER SHELLS OF NEW ZEALAND.

BY PROFESSOR F. W. HUTTON, HON. MEM. ROY. SOC., TAS.

In my Manual of the New Zealand Mollusca, (1880) I have collected together the names and descriptions of all the fresh water shells said to occur in New Zealand; I have made no attempt in it either to revise the nomenclature, or to eliminate species probably put down to New Zealand in error; but it seems to me that I might now attempt to give, what I believe to be a true list of our fresh-water shells as at present known, as a supplement to the Check List of Australian Fresh-water Shells by Messrs Tate and Brazier, published in Vol. VI., p. 552 of our Proceedings.

Aplexa antipoda, Sowerby, in Reeve's Conch. Icon. Physa, fig. 37.

Aplexa tabulata, Gould, Pro. Bost. Soc. Nat. Hist. 1848, p. 214.

Aplexa variabilis, Gray, in Dieffenbach's Travels in N.Z., vol. ii., p. 248, (1843).=*P. gibbosa*, Sow., fig. 27, (not of Gould) =*P. guyonensis*, T.-Woods, P.L.S. of N.S.W., iii., p. 138,=*P. hochstetteri*, Dunker. Described (?)

Aplexa mœsta, Adams, P.Z.S., 1861, p. 144. Conch. Icon. f. 32.

Planorbis corinna, Gray, P.Z.S., 1849, p. 167.

Latia neritoides, Gray, P.Z.S., 1849, p. 168=*L. lateralis*, Gould.

Melanopsis trifasciata, Gray, in Dieffenbach's Travels in N.Z., ii., p. 263 (1843). Voy. Ereb. and Terror, Moll. pl. 1, f. 18-22.=*M. Zealandica*, Gould, (1848), P.B.S., N.H., p. 225.=*M. strangei*, Reeve, Conch. Icon. f. 3.=*M. ovata*, Dunker, Mal. Blatt. 1861, vii., p. 150.

- Hydrobia* (*Potamopyrgus*) *cumingiana*, *Fischer*, Journ. de Conch. 1860, p. 208. Hutton, Trans. N.Z., Inst., Vol. 14.=
Melania corolla, Reeve, fig. 366 (not of Gould.)
- Hydrobia* (*Potamopyrgus*) *corolla*, *Gould*, (*Melania*) Pro. Bost. Soc. of Nat. Hist., 1847. *Stimpson* in Smithsonian Miscellaneous Collections, vii., No. 201, p. 49. Hutton, Trans. N. Z. Inst., vol. xiv., (1881).=*A. badia*, Gould, Pro. Bast. Soc., Nat. Hist. 1848.=*H. fisheri*, Dunker, Mal. Blatt., 1861, p. 152.=*H. reevei*, Frauenfeld, Abh. Zool. Bot. Ges. Wien., 1862, p. 1024.
- Hydrobia* (*Potamopyrgus*) *antipodum*, *Gray*, in Dief. Travels in N.Z. ii., p. 241, (1843).=*A. zealandiæ*, Gray, l. c., p. 241. =*A. egena*, Gould, Pro. Bost. Soc., iii. (1841), p. 75.=*A. gracilis*, Gould, Am. Exp. Exp. (1852), p. 127.=(?) *H. splæa*, Frauenfeld, l. c. (1863) p. 1022.
- Hydrobia* (*Potamopyrgus*) *pupoides*, *Hutton*, Trans. N. Z. Inst., vol. xiv. (1881), p. (Brackish water.)
- Pisidium lenticula*, *Dunker*, Mal. Blatt., viii. (1861), p. 153. (Sphærium.) *Hutton*, Trans. N. Z. Inst., vol. xiv. p. =*P. novo-zeelandicum*, Prime, Ann. Lyc. Nat. Hist. of New York, viii. (1867), p. 91.
- Unio menziesii*, *Gray*, in Dief., Travels in N. Z., (1843), ii., p. 257. *Hutton*, Trans. N. Z. Inst., vol. xiv. p. =*U. aucklandica*, Gray, l. c., ii, p. 257.=*U. zelebori*, Dunker, Abh. Zool. Bot. Gesell in Wien. 1856, p. 915.
- Unio lutulentus*, *Gould*, Pro. Bost. Soc., Nat. Hist., iii. (1850) p. 295. Reeve, Conch. Icon. fig. 122 (not fig. 386.)
- Unio hockstetteri*, *Dunker*, Mal. Blatt. viii., (1861) p. 163. A doubtful species.
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