

long, bordered by regular, numerous, minute teeth. Sori one to each pinna, terminal on a side segment of the lowest anterior pinnule. Involucre turbinate, a line deep, the very base immersed in the lamina; valves toothed at the edge, free nearly to the base; receptacle exerted.

ADMIRALTY ISLANDS.—Intermediate between *Hymenophyllum tunbridgense* and *Hymenophyllum multifidum*.

**Trichomanes motleyi**, Van den Bosch.

*Trichomanes motleyi*, Van den Bosch; Hook. and Bak., Synopsis Fil., p. 73; Baker in Journ. Linn. Soc. Lond., xv. p. 105.

ADMIRALTY ISLANDS.—This species is found in Ceylon, Moulmein, the Andamans, Borneo, and New Caledonia, and Mr Baker informs us that *Hymenophyllum cognatum*, Cesati, from New Guinea, is typical *Hymenophyllum motleyi*, and *Hymenophyllum pannosum*, Cesati, from the same country, is a large variety.

**Trichomanes peltatum**, Baker.

*Trichomanes peltatum*, Baker in Journ. Linn. Soc. Lond., ix. p. 336, t. 8, et xv., p. 105; Hook. and Bak., Synopsis Fil., p. 73; Benth., Fl. Austr., vii. p. 701.

ADMIRALTY ISLANDS.—This remarkable fern was first discovered in Samoa and subsequently in New Caledonia and Queensland.

**Trichomanes humile**, Forst.

*Trichomanes humile*, Forst.; Baker in Journ. Linn. Soc. Lond.,<sup>1</sup> xv. p. 105; Hook. and Bak., Synopsis Fil., p. 80.

*Trichomanes erectum*, Brackenr. in Bot. U.S. Expl. Exped., i. p. 250, t. 36; Seem., Fl. Vit., p. 343.

ADMIRALTY ISLANDS.—This species ranges from New Zealand through Polynesia to the Sandwich Islands and the Philippines and Java, but it is not recorded from Australia. It is, however, very closely allied to the widely spread *Hymenophyllum pyxidiferum*.

**Trichomanes filicula**, Bory.

*Trichomanes filicula*, Bory; Baker in Journ. Linn. Soc. Lond., xv. p. 105; Hook. and Bak., Synopsis Fil., p. 81; Seem., Fl. Vit., p. 344.

ADMIRALTY ISLANDS.—Very common and widely dispersed in Tropical and Subtropical Asia and Africa, and extending in Polynesia eastward to Tahiti. It is also found in New Caledonia and New Guinea, though hitherto not in Australia.

**Trichomanes javanicum**, Blume.

*Trichomanes javanicum*, Blume; Baker in Journ. Linn. Soc. Lond., xv. p. 105; Hook. and Bak., Synopsis Fil., p. 83; Benth., Fl. Austr., vii. p. 702.

ADMIRALTY ISLANDS.—North-eastern Australia, and Samoa northwards, through the