

**Hymenophyllum obtusum**, Hook. et Arn.

*Hymenophyllum obtusum*, Hook. et Arn., Bot. Beechy's Voyage, p. 109; Hook., Sp. Fil., i. p. 93.

*Hymenophyllum capillare*, Desv.; Fournier in Comptes rendus, 1875, lxxxii. p. 1140.

AMSTERDAM ISLAND.—In clefts and caverns at 500 to 600 feet—*De l'Isle*, 25.

Polynesia; South Africa.

Fournier identifies the Amsterdam plant with *Hymenophyllum capillare*, Desv. (*Hymenophyllum lineare*, Swartz), while Baker, in Kew Herbarium, has written it up as *Hymenophyllum obtusum*. These species and the *Hymenophyllum æruginosum* of the Tristan da Cunha group are very closely allied, and pteridologists are not agreed as to their limits, as appears from Kuhn (*Filices Africanæ*, p. 38). See note under *Hymenophyllum æruginosum*, ante, p. 162. *Hymenophyllum obtusum* was founded on Hawaiian specimens.

**Hymenophyllum tunbridgense**, Smith, *β. wilsoni*, Hook. and Bak.

*Hymenophyllum tunbridgense*, Smith, *β. wilsoni*, Hook. and Bak., Synop. Fil., p. 67.

*Hymenophyllum meyeri*, Presl, Hymen., p. 50; Fournier in Comptes rendus, 1875, lxxxii. p. 1140.

AMSTERDAM ISLAND. *De l'Isle*.

The form of this widely spread fern found in Amsterdam is identified by Fournier with one which also occurs in South Africa, which, however, is not accorded even varietal rank by Hooker and Baker.

**Trichomanes saxifragoides**, Presl.

*Trichomanes saxifragoides*, Presl, Hymen., pp. 16 et 39; Van den Bosch, Synop. Hymen., reprint, p. 13; Hook. and Bak., Synop. Fil., p. 75; Fournier in Comptes rendus, 1875, lxxxii. p. 1140.

AMSTERDAM ISLAND. *De l'Isle*.

Japan; Ceylon; Java; Borneo; New Guinea; Polynesia.

**Lomaria alpina**, Spreng.

*Lomaria alpina*, Spreng.; Hook. f., Fl. Antarct., ii. p. 393, t. 150; Hook. and Bak., Synop. Fil., p. 178; Mett. in Reise der "Novara," Bot., i. p. 209; Reichardt in Verhandl. d. k. k. zool.-bot. Gesellsch. Wien, xxi., Abhandl. p. 29.

*Lomaria penna-marina*, Mett. in Kuhn Fil. Afr., p. 92; Baker in Mart. Fl. Bras. Polypod., p. 414; Fournier in Comptes rendus, 1875, lxxxii. p. 1140.

AMSTERDAM ISLAND.—From the lowlands to the summit—*De l'Isle*, 48. ST PAUL ISLAND. *Milne*; *De l'Isle*; *Jelinek*.

All round the south temperate zone.