

HEPATICÆ.¹

Plagiochila badia, Mitt., n. sp.

Caulis elongatus, parce ramosus; folia approximata, patentia, patulave ovato-oblonga, margine dorsali decurrente recurva, ventralique integerrima, apice breviter paucidentata.

Habitus staturaque *Plagiochilæ rubescentis*, Lindenb., t. xi., et foliorum ambitu similis, sed margine ventrali integerrima, apice dentibus brevissimis armata subintegerrima. Color nigro-fusca.

JUAN FERNANDEZ. *Mr W. Saunders' collector.*

At first sight the specimens of this species might readily be mistaken for *Plagiochila rubescens*, which has often the same dark colour; but the entire absence of the ciliiform teeth at once distinguishes it. Like *Plagiochila rubescens*, the foliage is scarcely altered in the dry state, and it is here and there glossy.

Plagiochila gayana, Gottsche.

Plagiochila gayana, Gottsche in Ann. Sci. Nat., sér. 4, viii. p. 322.

JUAN FERNANDEZ.—From the same source as the preceding.

A small-leaved species similar to *Plagiochila geniculata*, Lindenb., t. xxvii., in size and appearance, but quite distinct in the perianth, which is much compressed and with a small contracted truncate mouth, a form that is very rare in the genus. There is considerable variation in the dentation of the ventral margin of the leaf; on some stems the leaves are almost entire, slightly angulate; in other plants they are, as described by Gottsche, dentate all round the ventral side; the areolation is of small round cells with wide walls, the whole almost obscure. It is also very similar to *Plagiochila flexicaulis*, Mont., from Chili; but readily distinguished by the perianth.

Lophocolea sylvatica, Mitt., n. sp.

Prostrata; folia horizontaliter explanata, convexula, ovali-oblonga, apice sinu obtuso biangulata; amphigastria parva, quadridentata, utrinque cum foliis anguste confluentes; involucralia longiora, cum amphigastrio integerrimo apice bidentato basi coalita; perianthium triquetrum, labiis dentatis.

Caulis 1–2 cm. longus, hic illic radicosus cum foliis 2 mm. latus; amphigastria caulem vix latiora saepe recurva. Perianthium 1.50 mm. longum, angulis nudis.

JUAN FERNANDEZ.—Creeping amongst *Hypnum toxarion*—*Mr W. Saunders' collector.*

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