

FLORA OF THE FALKLAND ISLANDS.

By C. H. WRIGHT, A.L.S.

[Read 19th January, 1911.]

DURING the determination of a collection of plants made in the Falkland Islands by Mrs. Eleanor Vallentin, it occurred to me that it might be interesting to attempt an enumeration of the plants of those islands with a view to show the changes which have taken place in the flora since the publication of the 'Flora Antarctica' by Sir J. D. Hooker in 1847, and also to define more exactly the distribution of the plants in the islands. Many of Mrs. Vallentin's specimens were accompanied by notes which are inserted under the respective species in the following list, and many were accompanied by coloured drawings. A collection made by Miss Firmin in 1895 is also included.

The chief characteristic of the flora is that it consists principally of plants of dwarf habit; trees are quite absent. The tallest species is *Veronica elliptica*, Forst. f., which is a shrub attaining a height of 7 feet, and next to this *Chiliotrichum amelloideum*, Cass., which reaches 5 feet, and is known as the "Fâchima." The main flowering season is from November to January, but the earliest flower to appear is *Draba funiculosa*, Hook. f., which opens in September.

Poa flabellata, Hook. f., the Tussac Grass, which was formerly very abundant, is rapidly being exterminated through the ravages of cattle. *Hierochloe magellanica*, Hook. f., formerly abundant, is now rare. *Primula magellanica*, Linn., used to grow to a height of $1\frac{1}{2}$ to 2 feet, when Mrs. Vallentin's father, Mr. W. Wickham Bertrand, settled in the islands about 40 years ago, but since the introduction of sheep it has dwindled not only in height but also in the size of its flowers, but is still to be found with its former dimensions on those islets where there are no sheep.

A few species, of which I have not seen Falkland Island specimens, but which are recorded by Mr. Macloskie in his "Flora Patagonica" in the Report of the Princeton University Expedition to Patagonia, vol. viii. (1903-6), are included here.

A revision of the flora was published by M. L. Crié in vol. lxxxvii. (1878) pp. 530-533 of the 'Comptes Rendus' of the French Academy, and an interesting account of the vegetation around Port Stanley has been published by Herr Selim Birger in Engler's 'Botanische Jahrbücher,' xxxix, (1906) pp. 275-305.

Ranunculus biternatus, Sm. in Rees, Cyclop. xxxix. n. 48 ; Hook. Ic. Plant. t. 497 ; Hook. f. Fl. Ant. ii. 224 ; Macloskie, Fl. Patag. viii. 406. *R. exiguis*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 615 ; Gaud. in Freyc. Voy. Bot. 136.

Hooker! *Firmin!* *Nichol*, 32 bis! 33! 35! East Falklands; Mount William, Cunningham! West Falklands, marshy ground, *Vallentin*, 20! South Georgia, Fuegia, Chile.

Ranunculus sericocephalus, Hook. f. Fl. Ant. ii. 225, t. 83 ; Macloskie, Fl. Patag. viii. 412.

Hooker! *Chartres!* *Lyall!* East Falklands ; Stanley, *Vallentin*, 107! West Falklands ; Roy Cove, *Vallentin*!
Leaves hirsute. Flowers yellow.

Ranunculus Maclovianus, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 615 ; Gaud. in Freyc. Voy. Bot. 136 ; Hook. f. Fl. Ant. ii. 225 ; Macloskie, Fl. Patag. viii. 410.

East and West Falklands, in swamps, *Hooker!* *Vallentin*, 19! *Nichol*!

Ranunculus hydrophilus, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 136, 175 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 515 ; Hook. f. Fl. Ant. ii. 226, t. 82, fig. B ; Macloskie, Fl. Patag. viii. 409.

Gaudichaud, *L'Urville*, *Hooker*.

Ranunculus trullifolius, Hook. f. Fl. Ant. ii. 226, t. 82, fig. A.
East Falklands ; St. Salvador Bay, *Hooker*!

Hamadryas argentea, Hook. f. Fl. Ant. ii. 227, t. 85 ; Macloskie, Fl. Patag. viii. 413.

Hooker! *Sullivan*, *Robinson*. West Falklands ; Roy Cove, *Vallentin*, 17!
dry hill-slopes, *Firmin*, 51!

Magellan.

Leaves woolly, whitish green. Flowers greenish yellow, December.

Caltha sagittata, Cav. Ic. t. 414 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 136 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 615 : Hook. f. in Bot. Mag. t. 4056, and in Fl. Ant. ii. 228 ; Macloskie, Fl. Patag. viii. 400.

Hooker! East Falklands ; Stanley, Cunningham! Darwin Green, *Vallentin*!
West Falklands ; Chartres River, *Vallentin*, 67! Port North Ponds, Roy Cove, *Vallentin*!

Leaves brilliant shining green. Flowers greenish white, Nov.-Dec.
Growing in swamps, streams and ponds; varying in size according to
locality.

Caltha appendiculata, Pers. Syn. ii. 107; Urv. in Mém. Soc. Linn. Paris,
iv. (1826) 615; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in
Freyc. Voy. Bot. 136; Hook. f. Fl. Ant. ii. 228; Macloskie, Fl. Patag.
viii. 399.

Gaudichaud, D'Urville, Hooker!

Fuegia, Hermite Island.

Arabis macloviana, Hook. Ic. Plant. t. 428; Hook. f. Fl. Ant. ii. 232.

Brassica magellanica, Poir. fide Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825)
105, non alior.; Macloskie, Fl. Patag. viii. 432. *B. Macloviana*, Urv.
in Mém. Soc. Linn. Paris, iv. (1826) 616. *Erysimum Macloviana*, Gay
in Ann. Sci. Nat. 1^{re} sér. viii. (1826) 392, in obs.; Gaud. in Freyc. Voy.
Bot. 136. *Sophia Macloviana*, Gay ex Hook. f., l. c.

Gaudichaud, D'Urville, Nichol! West Falklands; near the sea-shore,
Crooked Inlet, Roy Cove, Vallentin, 13!

Flowers small, white, Nov.-Dec.

Cardamine hirsuta, Linn. Sp. Pl. ed. I. 655; Gaud. in Freyc. Voy. Bot.
137; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 616. *C. antiscorbutica*,
Banks & Sol. ex Griseb. in Goett. Abh. vi. (1854) 115. *C. glacialis*,
DC. Syst. Veg. ii. 264; Prodr. i. 264; Macloskie, Fl. Patag. viii. 437.
C. propinqua, Carmichael in Trans. Linn. Soc. xii. (1819) 507.
Sisymbrium glaciale, Forst. in Comm. Goett. ix. (1789) 32.

East and West Falklands; common in moist places, *Hooker! Nichol!*
West Falklands; Chartres River, Vallentin, 1!

Flowers small, white.

[*Cochlearia officinalis*, Linn. Sp. Pl. ed. I. 647.

West Falklands; Port North beach, Roy Cove, growing sparsely in sand,
Vallentin, 111!

Fuegia. North temperate and arctic regions.

Flowering in Dec. Probably introduced.]

Draba funiculosa, Hook. f. Fl. Ant. ii. 235, 238; Macloskie, Fl. Patag. viii.
443.

Hooker, 74! Abbott! Nichol! West Falklands, Vallentin, 63!

Flowers white, Sept.-Oct. The earliest spring flower.

Draba falklandica, Hook. f. Fl. Ant. ii. 238; Macloskie, Fl. Patag. viii. 443.
Robinson!

Viola maculata, Cav. Ic. vi. 20, t. 539; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 617; Gaud. in Freyc. Voy. Bot. 137; Hook. Ic. Pl. t. 499; Hook. f. Fl. Ant. ii. 244.

East and West Falklands; near beaches, fairly common, *Vallentin*, 9! *Hooker*, 76! *Abbott*! *Firmin*, 30! *Nichol*!

Yellow, scentless.

Viola tridentata, Menz. ex DC. Prod. i. 300; Hook. f. Fl. Ant. ii. 245.

Falkland Islands; on the mountains, 1200–1500 ft., *Hooker*!

Staten Land, Port Famine, Hermite Island.

Sagina procumbens, Linn. Sp. Pl. ed. I. 128; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 137; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 617; Hook. f. Fl. Ant. ii. 247.

East and West Falklands; fairly common near the sea, sometimes in cultivated places, *Vallentin*, 34! *Firmin*, 37! *Nichol*! All collectors.

North temperate region.

Colobanthus crassifolius, Hook. f. Fl. Ant. ii. 248.

D'Urville, *Hooker*!

Port Famine, Hermite Island.

Colobanthus subulatus, Hook. f. Fl. Ant. i. 13, ii. 247; Macloskie, Fl. Patag. viii. 392. *C. Benthamianus*, Fenzl in Ann. Wien. Mus. i. (1836) 49. *Sagina subulata*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 617; Hook. f. Fl. Ant. ii. t. 93.

West Falklands, scarce, *Hooker*! *Vallentin*, 32! *Nichol*!

Stellaria debilis, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 618; Hook. f. Fl. Ant. ii. 250. *Alsine debilis*, Macloskie, Fl. Patag. viii. 386.

Falkland Islands, by the margins of rivulets, not uncommon, *D'Urville*, *Hooker*!

Staten Land.

[**Stellaria media**, Cyrill. Char. Comm. 36; Hook. f. Fl. Ant. i. 8, ii. 250.
Introduced.]

Arenaria media, Linn., var. β , Hook. f. Fl. Ant. ii. 250.

East Falklands; St. Salvador Bay, *Hooker*!

Cerastium vulgatum, Linn. Fl. Suec. ed. II. 158; Hook. f. Fl. Ant. ii. 251; Macloskie, Fl. Patag. viii. 390.

East Falklands, *Lechler*! near Port Louis, *Hooker*! West Falklands, abundant, *Vallentin*!

Cerastium arvense, var. **strictum**, Hook. f. Fl. Ant. ii. 251; Macloskie, Fl. Patag. viii. 388.
 East and West Falklands, common, *Gaudichaud*, *Hooker*, 87! *Vallentin*, 26! *Nichol*!
 Flowers white, delightfully fragrant.

Montia fontana, Linn. Sp. Pl. ed. I. 87; Hook. f. Fl. Ant. ii. 278.
D'Urville, *Hooker*! *Vallentin*! *Nichol*!
 Europe, temperate Asia, New Zealand, Kerguelen Is., N. and S. America.

Oxalis enneaphylla, Cav. Ic. v. 7, t. 411; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 137; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 616; Hook. f. Fl. Ant. ii. 253.

East and West Falklands, common, *Abbott*! *Wright*! *Hooker*, 69! *Firmin*, 22! *Nichol*! *Cunningham* (Stanley)! *Vallentin*, 18!

Antiscorbutic. A delicious and refreshing drink can be made from the stalks. Flowers scented, white, pink or mauve; Dec.-Jan.

Rubus geoides, Sm. Ic. Ined. t. 19; Hook. f. Fl. Ant. ii. 263. *R. antarcticus*, Banks & Soland. ex Hook. f. I. c. *Dalibarda geoides*, Pers. Syn. ii. 53; Gaud. in Ann. Sci. Nat. 1^{re} sér. iv. (1825) 106, and in Freyc. Voy. Bot. 138; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 620.

Nichol! East Falklands; abundant by rivers at Berkeley Sound, *Vallentin*, 16! West Falklands; Mount Cook, Roy Cove, *Vallentin*!

Flowers white, Nov.-Jan. Fruit resembling wine-berries in appearance and almost as large as raspberries, with a delicious flavour, ripening Jan.-Feb.

Magellan Straits, Port Famine, Good Success Bay.

Acæna ascendens, Vahl, Enum. i. 297; Hook. f. Fl. Ant. ii. 268; Macloskie Fl. Patag. viii. 477. *Ancistrum humile*, Pers. Syn. i. 30.
 Abundant, *Gaudichaud*! *D'Urville*, *Firmin*, 13!
 Magellan, Good Success Bay, South Georgia.

Acæna lucida, Vahl, Enum. i. 296; Lam. Ill. i. t. 22, fig. 3; Hook. f. Fl. Ant. ii. 266, t. 94.

Abundant, *Hooker*! Common on dry ground, *Vallentin*, 11! *Nichol*!
 Flowers greenish bronze.

Acæna lavigata, Ait. Hort. Kew. ed. 2, i. 68; Hook. f. Fl. Ant. ii. 267.
Hooker! *Lyall*! *Chartres*! *Nichol*! West Falklands; near streams, Roy Cove, *Vallentin*, 10!

Grows to a good height in sheltered valleys. The crimson heads of flowers are very striking.

Magellan, Hermite Island.

Saxifraga magellanica, Poir. Encycl. vi. 686. *S. exarata*, Hook. f. Fl. Ant. ii. 280, partly. *S. Cordillerarum*, var. *magellanica*, Engl. Monogr. Saxifr. 183.

East Falklands, *Hooker!* *Darwin*, *Vallentin*, 45!
Fuegia.

Drosera uniflora, Willd. Enum. Hort. Berol. 340; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 137; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 617; Macloskie, Fl. Patag. viii. 455.

Gaudichaud, *D'Urville*, *Hooker!*
Port Famine, South Fuegia.

Myriophyllum elatinoides, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 480; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 618; Hook. f. Fl. Ant. ii. 271. *M. ternatum*, Gaud. ll. cc.; Urv. l. c.
West Falklands; Port North Roads, Roy Cove, in fresh-water lagoons, *Vallentin*, 65!

Abundant in Hooker's time, now rare.

Epilobium tetragonum, Linn., var. *antarcticum*, Hook. f. Fl. Ant. ii. 270.
Hooker! *Chartres!*

Tierra del Fuego.

Gunnera magellanica, Lam. Encycl. iii. 61, Ill. t. 801, fig. 2; Hook. f. Fl. Ant. ii. 274. *G. falklandica*, Hook. f. Ic. Pl. tt. 489-490. *Misandra magellanica*, Commers. in Juss. Gen. 405; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 89, and in Freyc. Voy. Bot. 502; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 621. *Dysemone integrifolia*, Banks & Soland. ex Hook. f. Fl. Ant. ii. 274. "Mauve," Pernetty, Voy. ii. 58.

East and West Falklands, common, *Hooker!* *Collinson*, *Vallentin*, 14!
Nichol!

Very abundant; eaten by cattle; locally called "pig oure." Flowers crimson, Nov.-March. Berries brilliant scarlet.

Fuegia, S. Chile.

Myrtus nummularia, Poir. in Lam. Encycl. iv. 407; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 106, t. 2, fig. 5, and in Freyc. Voy. Bot. 138; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 619. "Lucet musque," Pernetty, Voy. ii. 58.

Common, *Commerson*, *Gaudichaud!* *Hooker*, 25! *Vallentin*, 56! *Nichol!*
Cunningham! Tyssen Islands, *Cunningham!*

The islands gained their Spanish name—Islas Malouinas—owing to the Spaniards' non-approval of the tea made from the leaves of this trailing vine.

Flowers white, insignificant. The edible fruit is a most delicate pink where exposed to the sun, but always white on the under side; aroma-delicious.

Fuegia, S. Chile. A variety in Chiloe and the Chonos Archipelago.

Tillaea moschata, DC. Prod. iii. 382. *Bulliarda moschata*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 619; Gaud. in Freyc. Voy. Bot. 138; Hook. f. Ic. Pl. t. 538, and Fl. Ant. i. 15, ii. 278. *B. magellanica*, DC. Bull. Soc. Philom. (1810) n. 49, p. 2. *Crassula moschata*, Forst. in Comm. Goett. ix. (1789) 26; Macloskie, Fl. Patag. viii. 456.

Hooker! *Wright!* *Firmin*, 12! *Nichol!* East Falklands, *Cunningham!* West Falklands; Roy Cove Creek, *Vallentin*, 39!

Fuegia, Kerguelen Island, Marion Island, New Zealand.

Callitricha antarctica, Engelm. ex Hegelm. in Verh. Bot. Ver. Brandenb. lx. (1867) 20. *C. verna*, *B. terrestris*, Hook. f. Fl. Ant. i. 11, ii. 272.

Hooker!

Hermite Island.

Azorella cæspitosa, Cav. Ic. v. 57, t. 484, fig. 2; Hook. f. Fl. Ant. ii. 282.

Bolax glebaria, Commers. ex Lam. Encycl. iii. 156; Hook. f. Fl. Ant. ii. 285; Birger in Engl. Jahrb. xxxix. (1906) 286.

West Falklands, *Née*, *Sullivan*. Common throughout the islands, *Gaudichaud*, *D'Urville*, *Vallentin*, 76! *Firmin!*

Fuegia; Hermite Island.

The Balsam-bog. "Hillocks 2-4 ft. high, 8-10 ft. long. Hard. Exudes viscid white gum, becoming red-brown on drying."—*Hooker*. Upon bruising or cutting the hard exterior of this plant a rapid decay follows, and within about a year nothing but a heap of mould or fibres is left of a plant which took many years to attain its previous size.

Azorella filamentosa, Lam. Encycl. i. 344, and Illustr. t. 189, fig. 1; Hombron & Jacquem. Voy. Pôle Sud, Bot., Dicot. Phan. t. 15 B; Hook. Ic. Pl. t. 541; Hook. f. Fl. Ant. ii. 283. *A. Chamitis*, Pers. Syn. i. 303; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 614; Gaud. in Freyc. Voy. Bot. 136. *Chamitis integrifolia*, Gærtn. Fruct. i. 94, t. 22. *Bolax filamentosa*, Spreng. in Schult. Syst. Veg. vi. 359.

Falkland Islands, *D'Urville*, *Chartres!* *Hooker!* *Nichol!*

Magellan, Good Success Bay, Port Famine, Hermite Island.

Azorella lycopodioides, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, t. 3, fig. 1, and in Freyc. Voy. Bot. 136; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 614; Hook. f. Fl. Ant. ii. 284. *Chamitis tricuspidata*, Gærtn., Fruct. i. 92. *C. trifurcata*, Banks & Soland.

Abundant, *Gaudichaud*, *D'Urville*, *Firmin*, 23!

Azorella Ranunculus, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 614 ; Gaud. in Freyc. Voy. Bot. 136 ; Hook. f. Fl. Ant. ii. 285, t. 98, fig. 1.
Falkland Islands, by running streams and margins of fresh-water lagoons,
D'Urville, Hooker!

Apium graveolens, Linn. Sp. Pl. ed. I. 264 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 105, and in Freyc. Voy. Bot. 135 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 613 ; Hook. f. Fl. Ant. ii. 287.

Hooker, 62 ! Vallentin, 50 ! Nichol !

Europe, the Orient to N.W. India, S. Africa, Tasmania, America from California southwards (excluding the West Indies).

Oreomyrrhis andicola, Endl. Gen. Pl. 787 ; Hook. f. Fl. Ant. ii. 288.

Caldasia andicola, Lagasc. ex DC. Coll. Mémem. v. t. 2. *Myrrhis andicola*, H. B. & K. Nov. Gen. et Sp. v. 13, t. 419. *Azorella daucoides*, Urv. in Mémem. Soc. Linn. Paris, iv. (1826) 613.

Abundant in grassy places, *D'Urville, Hooker ! Vallentin, 33 ! Nichol !*
Andine region, Australia, New Zealand.

Nertera depressa, Banks & Soland. ex Gærtn. Fruct. i. 124, t. 26 ; Gaud.

in Ann. Sci. Nat. 1^{re} sér. v. (1825) 104 ; Hook. f. Fl. Ant. i. 23, ii. 303.

East and West Falklands, in swamps, *Gaudichaud ! D'Urville, Hooker ! Vallentin, 47 ! Nichol !*

America from Guatemala to Fuegia, Gough Island, Hawaii, Tristan d'Acunha, Australia, New Zealand.

Galium antarcticum, Hook. f. Fl. Ant. ii. 303.

East and West Falklands, in moist places, *Hooker ! Vallentin, 35 ! Firmin, 4 ! Nichol !*

Fuegia, Hermite Island, Kerguelen Island.

Nassauvia Gaudichaudii, Cass. ex Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825)

103, t. 3, fig. 3 ; Hook. f. Fl. Ant. ii. 319. *Mastigophorus Gaudichaudii*, Cass. in Dict. Sci. Nat. xxxiv. 222.

Gaudichaud ! Hooker ! Chartres ! Wright ! Nichol ! East Falklands, Lechler, 135 ! Berkeley Sound, Darwin ! Tyssen Islands, Cunningham ! West Falklands, *Vallentin, 31 !*

"I have never seen this plant on the East Falklands. It grows in irregular masses 2-3 feet in diameter in sunny situations. These masses are densely covered from November to January with myriads of small cream-coloured flowers of a sickly scent."—*Vallentin*.

Nassauvia serpens, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 610; Brongn. in Duperrey, Voy., Bot. Phan. t. 56, fig. A; Hook. f. Fl. Ant. ii. 319, t. 114. *N. D'Urvillei*, Cass. Dict. Sci. Nat. xxxviii. 456.

Hooker! *Chartres!* Valleys amongst Fâchima shrubs, also in stone rivers, *Vallentin*, 37!

This plant is most interesting; it pushes its serpentine growth upwards through the foliage of Fâchima (*Chiliotrichum amelloideum*, Cass.). It has a most delicious scent, not unlike English lavender. The flowers, which are produced from December to January, are usually white, but occasionally a pale mauve specimen occurs. There is a coloured drawing at Kew made by Capt. Abbott.

Senecio falklandicus, Hook. f. Fl. Ant. ii. 316, t. 110. *S. littoralis*, var. *lanatus*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 104, and in Freyc. Voy. Bot. 468; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 611; Hombr. et Jacq. Voy. Pôle Sud, Dicot. t. 10 R. *S. rosmarinus*, Philippi in Anal. Mus. Nac. Chile, 1891, 41.

East Falklands; Port Stanley, *Lechler*, 143! West Falklands; Port North, *Vallentin*, 22! Port William, common close to the sea; very variable in size and foliage at various heights up to 300 or 400 ft., *Hooker!* West Falklands; Fox Bay, *Cunningham!* *Miss Firmin*, 7!

Chile.

This plant often grows up to 2 ft. high and makes fine splashes of colour in the camp. Flowers yellow. Leaves woolly and very pale greenish white.

[**Senecio vulgaris**, Linn. Sp. Pl. ed. I. 867; Hook. f. Fl. Ant. ii. 313. Falkland Is.; abundant, but undoubtedly introduced, *Hooker!*]

Senecio littoralis, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 104; Hook. f. Fl. Ant. ii. 318; Macloskie, Fl. Patag. viii. 852.

East Falklands, *Hooker*, 4! *Cunningham!* marshes, *Vallentin*, 74! Berkeley Sound, *Darwin*, 362! Tyssen Islands, *Cunningham!*

Leaves bright shining green. Flowers clear bright yellow, Dec.-Jan.

Senecio candidans, DC. Prod. vi. 412 (errore *candidans*), non Wall.; Hook. f. Fl. Ant. ii. 312. *Cacalia candidans*, Vahl, Symb. iii. 91, t. 71.

Hooker, 48! West Falklands; Lake Point, Point North, *Vallentin*, 72! Uranie Bay, *Wright*!

Leaves silvery. Flowers yellow. Abundant in Hooker's time, now rare.

Gnaphalium affine, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 610, non D. Don; Hook. f. Fl. Ant. ii. 310; Macloskie, Fl. Patag. viii. 815.

East Falklands; Port William, *Hooker!* *Lechler*, 140!

Gnaphalium antarcticum, Hook. f. Fl. Ant. ii. 310, t. 113, fig. B ;
Macloskie, Flor. Patag. viii. 815.

Hooker!

Gnaphalium purpureum, Linn. Sp. Pl. ed. I. 854 ; Hook. f. Fl. Ant. ii.
309 ; Macloskie, Fl. Patag. viii. 818.

Gaudichaud, D'Urville, Nichol ! fairly common, *Vallentin*, 21 ! Flowers
bronze colour.

California and Texas to Chile.

Chiliotrichum amelioideum, Cass. in Dict. Sci. Nat. viii. 577 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 104 ; Hook. f. Fl. Ant. ii. 304, 577. *C. amelioides*, DC. Prod. v. 216. *C. diffusum*, P. Dusén in Ergebn. Schwed. Exped. Magell. iii. v. 99 ; Macloskie, Fl. Patag. viii. 798 ; Birger in Engl. Jahrb. xxxix. (1906) 287 !

Edmondston ! *Hooker* ! *Nichol* ! East Falklands, *Lechler*, 141 ! West
Falklands, common on the east coast, *Vallentin*, 52 !

Var. *lanceolatum*, DC. Prod. v. 216.

Falkland Islands, *Gaudichaud* !

Patagonia, Fuegia.

The Fâchima plant. The tallest plant in the Falklands except *Veronica elliptica*, Forst. It attains a height of about 5 ft. and forms dense masses of foliage. This plant has a curious aromatic scent, pleasant when one is riding amongst the shrubs, but too pungent when they are gathered and placed in a room.

Erigeron alpinus, Linn., var. *myosotifolius*, Hook. f. Fl. Ant. ii. 306 ;
Macloskie, Fl. Patag. viii. 792.

West Falklands ; Roy Cove, common in dry places, *Vallentin*, 2 ! *Nichol* !
Tyssen Islands, *Cunningham* !

Erigeron Vahlii, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 103.

West Falklands, in marshes, *Vallentin*, 52 ! *Nichol* !

The Marsh Daisy. Flowers brilliant rose, Nov.-Dec.

Baccharis magellanica, Pers. Syn. ii. 425 ; Gaud. in Ann. Sci. Nat. 1^{re} sér.
v. (1825) 100 ; Hook. f. Fl. Ant. ii. 307. *B. tridentata*, Urv. in Mém.
Soc. Linn. Paris, iv. (1826) 610 ; Gaud. l. c. 103, and in Freyc. Voy.
Bot. 135.

Gaudichaud ! *Hooker* ! *Nichol* ! abundant everywhere, *Vallentin*, 53 !
East Falklands ; Berkeley Sound, *Darwin*, 322 ! 326 !

Chile to Hermite Island.

This plant has interesting associations, as it is used by Falkland Islanders.

instead of holly or mistletoe to decorate churches and houses at Christmas, when its exquisite silvery flowers are just in perfection. It has a creeping habit.

Cotula scariosa, Franch. Miss. Scient. Cap Horn, 345 ; Macloskie, Fl. Patag. viii. 831. *Leptinella scariosa*, Cass. in Bull. Soc. Philomath. 1822, 127 ; Hook. f. Fl. Ant. i. 308.
West Falklands, scarce, *Vallentin*, 24 !
Magellan, Hermite Island, Chile.
Flowers yellow.

Abrotanella emarginata, Cass. Dict. Sci. Nat. xxxvi. 27, and Opusc. Phyt. ii. 42 ; Gaud. in Freyc. Voy. Bot. 465 ; Hook. f. Fl. Ant. i. 24, ii. 308. *Oligosporus emarginatus*, Cass. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 104, t. 3, fig. 4 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 644.
Abundant, *Gaudichaud* ! *Hooker*, 44 !
Magellan, Hermite Island.

Leuceria gossypina, Hook. et Arn. in Comp. Bot. Mag. ii. 43 (*Leucheria*). *Perdicium suaveolens*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 611 ; Gaud. in Freyc. Voy. Bot. 135. *Lasiorrhiza ceterachifolia*, Cass. Dict. Sci. Nat. xlili. 80. *L. viscosa*, Cass. l. c. 81. Plante à odeur de Benjoin, Pernetty, Voy. ii. 57.
Abbott, *Hooker* ! *Lesson* ! East Falklands ; near Stanley, *Lechler* ! *Cunningham* ! Mount William, *Cunningham* ! West Falklands ; Roy Cove, *Vallentin*, 69 !
Magellan.
The "Vanilla Daisy," so called on account of its fragrant scent resembling that of Vanilla.

Perezia recurvata, Less. in Linnæa, v. (1822) 21, and Syn. Comp. 412. *P. Doniana*, Less. Syn. Comp. 412. *Perdicium recurvatum*, Vahl in Skrift. Nat. Selsk. i. II. (1791) 13, t. 7 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. vi. (1825) 103, and in Freyc. Voy. Bot. 135 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 611, non Don. *Chætanthera recurvata*, Spreng. Syst. iii. 503. *Clarionea recurvata*, D. Don in Trans. Linn. Soc. xvi. (1830) 206. *Homoianthus echinulatus*, Cass. in Dict. Sci. Nat. xxxviii. 458, Hook. Ic. Pl. t. 491 ; Hook. f. Fl. Ant. ii. 322. *Homanthis echinulata*, Hombr. et Jacquin. Voy. Pôle Sud, Bot., Dicot. t. 10, fig. S.
Gaudichaud ! *Wright* ! *Abbott* ! *Hooker* ! *Lesson* ! *Edmondston* ! *Sullivan*, *Vallentin*, 49 (abundant near sea) ! *Nichol* ! East Falklands ; near Stanley, *Cunningham* !
Patagonia, Chile.

Found in a high sunny situation ; sweet-scented ; locally called " lavender." Leaves very prickly, fragrant, white, lilac and deep blue, Dec.-Jan.

Hypochæris arenaria, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 103, and in Freyc. Voy. Bot. 134, 461 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 609. *H. minima*, Willd. ex Urv. l. c. *Seriola apargioides*, Less. Syn. Comp. 131 ; Hook. et Arn. in Comp. Bot. Mag. ii. 42. *Achyrophorus arenarius*, DC. Prod. vii. 95 ; Hook. f. Fl. Ant. ii. 323, t. 112, middle figs. 1-2.

Gaudichaud, D'Urville, Darwin, Hooker !

Hieracium antarcticum, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 608 ; Gaud. in Freyc. Voy. Bot. 134 ; Hook. f. Fl. Ant. ii. 324.

Nichol, 5 ! East Falklands ; Port William, *Hooker*, 106 ! West Falklands, common in rocky places near the sea, *Vallentin*, 5 ! Fox Bay, *Cunningham* !

Magellan, Port Famine.

Flowers yellow.

Taraxacum officinale, var. *lævigatum*, O. Kuntze, Rev. Gen. Pl. iii. II. 181 ; Macloskie, Fl. Patag. viii. 901. *T. Dens-Leonis*, Desf., var. *lævigatum*, Hook. f. Fl. Ant. ii. 323, t. 112. *T. lævigatum*, DC. Cat. Hort. Monsp. 149, & Prod. vii. 146 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 604 ; Gaud. in Freyc. Voy. Bot. 134. *Leontodon Taraxacum*, Linn. Sp. Pl. ed. I. 798. *L. Lycodon*, Banks & Soland. ex Hook. f., l. c.

D'Urville, Hooker ! Nichol ! West Falklands, Vallentin, 3 !

Fuegia.

Macrorhynchus pumilus, DC. Prod. vii. 152 ; Hook. f. Fl. Ant. ii. 324.

Taraxacum pumilum and *T. coronopifolium*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 103, and in Freyc. Voy. Bot. 461 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 609. *M. chilensis*, Hook. et Arn. in Comp. Bot. Mag. ii. 42. *Iveris monocephala*, Cass. in Dict. Sci. Nat. xxxix. 389. *Leontodon pubescens*, Banks et Soland. ex Hook. f., l. c.

East Falklands, grassy places near the sea, *Darwin*, 535 ! *Hooker*, 51 !

Firmin, 39 ! *Nichol* ! West Falklands, *Vallentin*, 4 !

Magellan.

Flowering at the end of March.

Pratia repens, Gaud. in Freyc. Voy. Bot. 456, t. 79 ; Hook. f. Fl. Ant. i. 42, ii. 325.

Gaudichaud ! D'Urville, Hooker ! Firmin, 24 ! Nichol ! East Falklands ; Berkeley Sound, Darwin, 367 ! near Stanley, Cunningham ! West Falklands ; Roy Cove, in swamps, Vallentin, 36 !

Fuegia, Chile.
Flowers bright lilac.

Pernettya empetrifolia, Gaud. in Ann. Sci. Nat. 1^{re} sér. i. (1824) 102, and in Freyc. Voy. Bot. 454, t. 67; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 607. *P. pumila*, var. *empetrifolia*, Hook. f. Fl. Ant. ii. 326. *Arbutus empetrifolia*, Linn. f. Suppl. 229. *Andromeda empetrifolia*, Lam. Encycl. i. 155.

East Falklands; Port William, Hooker! Lechler, 131! Vallentin! Nichol!
West Falklands, Vallentin, 28!
Fuegia, Patagonia, Chile.

Gaultheria microphylla, Hook. f. Fl. Ant. ii. 327. *G. antarctica*, Hook. f. l. c. t. 116. *Arbutus microphylla*, Forst. in Comm. Goett. ix. (1789) 32. *A. serpyllifolia*, Lam. Encycl. i. 228. *Pernettya serpyllifolia*, DC. Prod. vii. 587.

Hooker, 82! Nichol! East Falklands; Stanley, Lechler, 125! Vallentin, 29!
West Falklands, Vallentin!

Magellan, Chile.

The Mountain Berry. Flowers small, white, Nov.-Jan. Berry bright rose-red, edible but rather tasteless.

Primula farinosa, var. *magellanica*, Hook. f. Fl. Ant. ii. 337, t. 120; Pax in Engl. Bot. Jahrb. x. (1888) 200; Pax & Knuth in Engl. Pflanzenr., Prim. 85. *P. magellanica*, Lehm. Monogr. Prim. 62, t. 6. *P. decipiens*, Duby in Mém. Soc. Phys. Genève, x. (1843) 492, t. 2, fig. 1. *P. farinosa*, var. *decipiens*, A. DC. Géogr. Bot. ii. 1049.

East and West Falklands, common, Hooker! Abbott! Wright! Vallentin, 27! Firmin, 26! Nichol! Tyssen Islands, Cunningham!

Fuegia, Chile.

About 40 years ago these plants grew to a height of 1½ to 2 ft. with flowers in proportion; but since the introduction of sheep the species has dwindled in size. On a few outlying islands on which there are no sheep the plants still attain their original size. The hillsides are covered with these most fragrant white, or occasionally lavender-coloured, flowers during early summer (November).

Anagallis alternifolia, var. *densifolia*, Hook. f. Fl. Ant. ii. 337. *Lysimachia repens*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 606; Gaud. in Freyc. Voy. Bot. 133; Hook. Ic. Pl. t. 536.

Along ditches and at the edges of swamps, not common, D'Urville, Wright! Hooker! Vallentin, 38! Firmin, 5! Nichol!

Magellan, Argentine, Chile.

Armeria Macloviana, Cham. in Linnæa, vi. (1831) 567. *Statice cæspitosa*, Poir. Encycl. vii. 396 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 102 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 606. *S. Armeria*, Hook. f. Fl. Ant. ii. 339.

Gaudichaud, Hooker ! *Firmin*, 38 ! *Nichol* ! West Falklands, seashore, scarce, *Vallentin*, 12 !

Magellan, Port Famine.

Flowers bright rose-pink, Nov.-Jan.

Gentiana magellanica, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 89, and in Freyc. Voy. Bot. 134 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 607 ; Hook. f. Fl. Ant. ii. 328.

Gaudichaud ! *D'Urville*, Wright ! *Hooker* ! *Firmin*, 42 ! East Falklands ; Stanley, *Cunningham* ! *Vallentin*, 66 !

Rare.

Magellan, Fuegia.

Calceolaria Fothergillii, Ait. Hort. Kew. ed. I. i. 30, t. 1 ; Bot. Mag. t. 348 ; Hook. f. Fl. Ant. ii. 332, t. 117. *C. Neeana*, Spreng. Syst. Veg. i. 44.

Hooker, 68 ! *Abbott* ! *Firmin*, 29 ! *Nichol* ! West Falklands ; Fox Bay, *Cunningham* ! sheltered beaches, *Vallentin*, 7 !

Very abundant in Hooker's time, now rare. Flowers yellow, spotted with crimson, Dec.-Jan.

Fuegia.

Calceolaria polyrhiza, Cav. Ic. v. 25, t. 441 ; Hook. f. Fl. Ant. ii. 333. Falkland Islands, *Née*.

Calceolaria Darwinii, Benth. in DC. Prod. x. 207 ; Hook. f. Fl. Ant. ii. 333. West Falklands ; Crooked Inlet, Roy Cove, round beach growing near *Aspidium coriaceum*, very rare, *Vallentin*, 6 !

Flowers entirely yellow, larger than those of *C. Fothergillii*, Ait. ; Dec. Magellan.

Calceolaria falklandica, Kränzl. in Engl. Pflanzenr., Scroph. Antirr. Calc. 42. *Fagelia falklandica*, S. Moore in Journ. Bot. xxviii. (1900) 460. West Falklands ; Roy Cove, very rare, *Nichol* ! *Vallentin*, 8 !

Limosella aquatica, var. **tenuifolia**, Hook. f. Fl. Ant. ii. 334. *L. tenuifolia*, Nutt. Gen. N. Amer. Pl. ii. 43 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 102, and in Freyc. Voy. Bot. 133 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 607. *L. australis*, R. Br. Prod. 443. Falkland Islands, bottom of a muddy lake, *Gaudichaud* ! *Hooker* !

Veronica serpyllifolia, Linn. Sp. Pl. ed. I. 12 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 102, and in Freyc. Voy. Bot. 133 ; Urv. in Mém. Soc. Linn. Paris, vi. (1826) 607 ; Hook. f. Fl. Ant. ii. 334.

East and West Falklands, fairly common, *Vallentin*, 25 ! *Nichol* !
Flowers deep blue.

Veronica elliptica, Forst. f. Prod. 3 ; Hook. f. Fl. Ant. i. 58, ii. 334.
V. decussata, Ait. Hort. Kew. ed. I. i. 20. *V. marginata*, Colenso in Trans. N. Zeal. Inst. xxviii. (1896) 608.

West Falklands, abundant along creeks, *Vallentin*, 40 ! *Nichol* !
Magellan, Fuegia, New Zealand.

This plant delights to have its roots bathed by the sea-water during spring tides. It is the tallest shrub on the islands, attaining a height of from 5 to 7 feet. Its flowers possess a delightful aroma ; Jan.-Feb.

Plantago monanthos, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 606 ; Gaud. in Freyc. Voy. Bot. 133 ; Barnéoud, Monogr. Plant. 17, excl. syn. ; Hook. f. Fl. Ant. ii. 340, t. 121.

D'Urville, Hooker !

Rumex Acetosella, Linn. Sp. Pl. ed. I. 538 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 605 ; Macloskie, Fl. Patag. viii. 348.

Common, but probably introduced, *Gaudichaud* ! *D'Urville, Vallentin*, 55 !
Nichol !

North temperate and arctic regions ; a variety in Magellan.

Rumex crispus, Linn. Sp. Pl. ed. I. 335 ; Hook. f. Fl. Ant. ii. 341 ; Macloskie, Fl. Patag. viii. 349. *R. Patentia*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 605.

East Falklands ; Berkeley Sound, probably introduced, *Hooker* !
North temperate region.

Chenopodium macrospermum, Hook. f. Fl. Ant. ii. 341 ; Macloskie, Fl. Patag. viii. 360.

East Falklands ; Berkeley Sound and St. Salvador Bay, *Darwin* ! *Hooker* !
S. Patagonia.

Empetrum nigrum, var. *rubrum*, A. DC. Prod. xvi. i. 26. *E. rubrum*, Vahl ex Willd. Sp. Pl. iv. 713 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 103, and in Freyc. Voy. Bot. 134 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 608 ; Bot. Reg. t. 1783 ; Hook. f. Fl. Ant. ii. 345 ; Macloskie, Fl. Patag. viii. 557 ; Birger in Engl. Jahrb. xxxix. 288, fig. 1.

Wright! *Miers,* 3734! *Edmondston!* *Hooker!* *Darwin!* *Vallentin,* 71! *East Falklands,* *Cunningham!* *Firmin,* 10!

Magellan, Fuegia, Chile.

Vernacular name in the Falklands "Diddle-dee." This plant covers miles of country as heather does on English moorlands. The dried twigs make excellent fuel. The fruit, which is bitter and not unlike a cranberry, is considered to have tonic properties.

Nanodea muscosa, Gærtn. Fruct. iii. 251, t. 225; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101, t. 2, fig. 3, and in Freyc. Voy. Bot. 442; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 605; Macloskie, Fl. Patag. viii. 339. *Balexerda muscosa*, Commers. ex Hook. f., l. c.

Very common, *Gaudichaud!* *Hooker!*

Magellan, Fuegia, Port Famine, Hermite Island.

Drapetes muscosa, Lam. in Journ. d'Hist. Nat. i. (1792) 186, t. 10, fig. 1; Gærtn. Fruct. iii. 199, t. 215; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 605; Hook. f. Fl. Ant. ii. 343.

D'Urville, Hooker!

Pogonia tetraphylla, Poepp. et Endl. Nov. Gen. et Sp. Pl. ii. 16, t. 122. *Codonorchis Lessonii*, Lindl. Gen. et Sp. Orch. 411; Hook. f. Fl. Ant. ii. 351, t. 125; Macloskie, Fl. Patag. viii. 324. *C. Poeppigii*, Lindl. l. c. *Calopogon Lessonii*, Brongn. in Duperrey, Voy. Bot. 188, t. 37, fig. 1. *Epipactis Lessonii*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 605.

Very local, *Hooker!* *Vallentin,* 28! *Firmin,* 9! *Nichol!*

Magellan, Chile, Chiloe.

The leaves vary from 2 to 4, 3 being the usual number. This plant springs from a small tuber, and while one season it is very plentiful, not a single plant is to be found the next. The scented flowers, which appear in November and December, are white, spotted irregularly with purple, and vary considerably in size.

Chloræa falklandica, Kränzl. in Engl. Jahrb. xliv. (1910), Beibl. no. 101, 5. East Falklands; Port William, Sparrow Cove, Skottsberg, 34, between Mount Darwin and Mount Pleasant, *Joley*.

Chloræa Gaudichaudii, Brongn. in Duperrey, Voy. Bot. 189, t. 44, fig. A; Hook. f. Fl. Ant. ii. 350; Macloskie, Fl. Patag. viii. 322. *Arethusa lutea*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101, and in Freyc. Voy. Bot. t. 133; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 604.—*Satyrion*, Pernetty, Voy. ii. 54, t. 8, fig. 5.

Gaudichaud! *Wright!* *Hooker!* *Nichol!* West Falklands; Roy Cove, in moist places, rare, *Vallentin,* 54!

Leaves spotted. Flowers yellowish-green, Dec.-Jan.

Asarca Commersonii, Hook. f. Fl. Ant. ii. 351; Kränzl. Orch. Gen. et Sp. ii. 1. 44, t. 2, fig. E. *Chloræa Commersonii*, Brongn. in Duperrey, Voy. Bot. 189; Macloskie, Fl. Patag. viii. 322.
Wright! *Chartres!* *Abbott!* *Firmin,* 1!
 Magellan, Fuegia.

Asarca odoratissima, Poepp. et Endl. Nov. Gen. et Sp. Pl. ii. 13, t. 118; Kränzl. Orch. Gen. et Sp. ii. 1. 29, t. 3, fig. L. *Chloræa odoratissima*, Macloskie, Fl. Patag. viii. 323.
Wright!
 Chile, Patagonia.

Sisyrinchium filifolium, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101, and in Freyc. Voy. Bot. 133; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 604; Hook. f. Fl. Ant. ii. 352, t. 126; Bot. Mag. t. 829; Macloskie, Fl. Patag. viii. 315.
Abbott! *Vallentin,* 70! *Firmin,* 16! 43! *Nichol!* East Falklands; Port William, *Hooker,* 98! Stanley, *Cunningham!* *Lechler!*
 Magellan.

Vernacular name "Pale Maiden." From November to January the hill-sides are white with this beautiful flower, which is very fragrant.

Luzuriaga marginata, Benth. et Hook. f. Gen. Pl. iii. 768. *Enardea marginata*, Banks et Soland. ex Gærtn. Fruct. i. 283, t. 59, fig. 3. *Callixene marginata*, Lam. Ill. t. 248; Encycl. Suppl. i. 36; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101, t. 2, fig. 2, and in Freyc. Voy. Bot. 133; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 604; Hook. f. Fl. Ant. ii. 354; Macloskie, Fl. Patag. viii. 308.
Gaudichaud! *Darwin,* 531! *Cunningham!* *Abbott!* *Hooker,* 22! *Firmin,* 11! *Nichol,* 44! Baie Française, *Lesson!*
 Magellan, Fuegia, Patagonia.

Common, especially amongst stones. Flowers white, sweet-scented, Nov.-Dec. Berry purple, poisonous.

Astelia pumila, R. Br. Prod. 291; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 101, and in Freyc. Voy. Bot. 132; Urv. in Mém. Soc. Linn. Paris, iv. (1876) 603; Hook. f. Fl. Ant. i. 76, ii. 357, t. 127. *Melanthium pumilum*, Forst. Comm. Goett. ix. (1789) 30, t. 6. *Funckia magellanica*, Willd. in Mag. Naturf. Fr. ii. (1808) 19.
Gaudichaud! *Hooker,* 102! East Falklands; Stanley, *Cunningham!* West Falklands; Roy Cove, in peat swamps, *Vallentin,* 30!
 Patagonia, South Chile.
 Flowers inconspicuous, pale green.

Rostkovia grandiflora, Hook. f. Fl. Ant. i. 82, ii. 357. *Juncus grandiflorus*, Linn. f. Suppl. 209; Forst. Comm. Goett. ix. (1789) 27, t. 3; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 100, and in Freyc. Voy. Bot. 132; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 603. *Marsippospermum calyculatum*, Desv. Journ. Bot. i. (1808) 330. *M. grandiflorum*, Hook. Ic. Pl. t. 533.

Wright! *Firmin*, 19! East Falklands; *Stanley*, *Cunningham*! West Falklands; Mount Cook, Roy Cove, *Vallentin*, 62!

Patagonia.

Juncus pallidus, R. Br. Prod. 258. *J. vaginatus*, R. Br. l. c.

West Falklands, *Vallentin*, 66!

Australia, New Zealand.

This plant has only been found once and that in a place close to Roy Cove settlement where machinery had been unpacked, which leads me to believe that seed had been introduced in the packing.

Juncus scheuchzerioides, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 100;

Hook. f. Fl. Ant. ii. 358; var. *inconspicuus*, Macloskie, Fl. Patag. viii.

301. *J. inconspicuus*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 603.

East and West Falklands, fairly common, *Gaudichaud*! *Hooker*! *Firmin*, 18! *Vallentin*, 46! *Nichol*! Tyssen Islands, *Cunningham*!

Magellan, Patagonia.

Luzula Alopecurus, Desv. Journ. Bot. i. (1808) 159; Gaud. in Ann. Sci.

Nat. 1^{re} sér. v. (1825) 100; Hook. f. Fl. Ant. ii. 359. *Juncoides*

Alopecurus, Macloskie, Fl. Patag. viii. 301.

Gaudichaud! *Wright*! *Nichol*! East Falklands; Mount William, *Cunningham*! Berkeley Sound, *Darwin*, 293! Baie Française, *Lesson*! West Falklands; Roy Cove, common near beaches, *Vallentin*, 63!

Magellan.

Tetroncium magellanicum, Willd. in Mag. Naturf. Fr. ii. (1808) 17; Hook.

Ic. Pl. t. 534; Hook. f. Fl. Ant. ii. 359, t. 128; Macloskie, Fl. Patag.

viii. 151. *Triglochin reflexum*, Vahl ex Hook. f. l. c. *T. magellanicum*,

Vahl ex Hook. f. l. c. *Cathanthes*, Rich. in Mém. Mus. Par. i. (1815) 365.

Wright!

Magellan.

Gaimardia australis, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 100, and

in Freyc. Voy. Bot. 419, t. 3; Macloskie, Fl. Patag. 293.

D'Urville, *Gaudichaud*! *Hooker*, 8!

Fuegia, Hermite Island.

Oreobolus obtusangulus, Gaud. in Ann. Sci. Nat 1^{re} sér. v. (1825) 99, t. 2,
fig. 1, and in Freyc. Voy. Bot. 417; Hook. f. Fl. Ant. ii. 360.

D'Urville, Gaudichaud ! Hooker !

Cape Horn.

Heleocharis macrorrhiza, Boeck. in Flora, lxxi. (1858) 413. *Scirpus melanostachys*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 600. *Fimbristylis melanostachys*, Brongn. in Duperrey, Voy. Bot. ii. 181. *Eleocharis palustris*, Hook. f. Fl. Ant. ii. 360.

East and West Falklands, *D'Urville, Hooker, 100 ! Wright ! Abbott ! Vallentin, 42 ! Nichol !*

Isolepis pygmæa, var. *brevis*, Hook. f. Fl. Ant. ii. 361. *I. brevis*, Brongn. in Duperrey, Voy. Bot. 180. *I. magellanica*, Gaud. in Freyc. Voy. Bot. 414. *I. meyeniana*, Nees in Nov. Act. Acad. Cæs. xix. (1843), Suppl. 87. *D'Urville, Hooker !*

Scirpus cernuus, Vahl, Enum. ii. 245.

East and West Falklands, common, *Hooker, 101 ! Vallentin, 41 ! Nichol ! Cosmopolitan.*

Uncinia Macloviana, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 99, and in Freyc. Voy. Bot. 412; Hook. f. Fl. Ant. ii. 370; Macloskie, Fl. Patag. viii. 270.

Gaudichaud !

Carex acaulis, D'Urv. in Mém. Soc. Linn. Paris, iv. (1826) 599; Brongn. in Duperrey, Voy. Bot. 153, t. 28, fig. A; Hook. f. Fl. Ant. ii. 363; Macloskie, Fl. Patag. viii. 277.

D'Urville.

Carex bonariensis, Desf. in Poir. Encycl. Suppl. iii. 250; Macloskie, Fl. Patag. viii. 279.

Falkland Islands, ex *Macloskie.*

Argentine.

Carex canescens, var. *alpicola*, Wahlenb. ex Reichenb. Fl. Germ. Excurs. 58 (1830); Macloskie, Fl. Patag. viii. 279. *C. canescens*, var. β , Wahlenb. in Vet.-Akad. Handl. Stockholm, xxiv. (1803) 147.

Falkland Islands, ex *Macloskie.*

Magellan, Fuegia, Europe, Greenland, Alaska.

Carex curta, Good. in Trans. Linn. Soc. ii. (1794) 145 ; Hook. f. Fl. Ant. ii. 363. *C. spicata*, Banks & Soland. ex Hook. f. l. c. *C. similis*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 599.

D'Urville.

Carex decidua, Boott ex Hook. f. Fl. Ant. ii. 363. *C. cæspitosa*, Banks & Soland. ex Hook. f. l. c.

Hooker !

Fuegia, Good Success Bay.

Carex filiformis, Linn. Sp. Pl. ed. I. 976. *C. æmathorrhyncha*, Desv. in C. Gay, Fl. Chil. vi. 224.

Abbott ! West Falklands ; Roy Cove, moist places, fairly common, *Vallentin*, 43 !

Europe, N. Asia, N. & S. America.

Carex indecora, var. *humilis*, Boott in Hook. f. Fl. Ant. ii. 367. *C. fuscula*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 599 ; Brongn. in Duperrey, Voy. Bot. 154, t. 28, fig. B ; Macloskie, Fl. Patag. viii. 282.

D'Urville, Hooker !

Carex leporina, Linn. Sp. Pl. ed. I. 973 ; Macloskie, Fl. Patag. viii. 284.

C. Macloviana, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 599.

Falkland Islands, ex *Macloskie*.

Carex similis, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 599 ; Macloskie, Fl. Patag. viii. 287.

Falkland Islands, ex *Macloskie*.

Fuegia.

Carex trifida, Cav. Ic. v. 41, t. 465 ; Macloskie, Fl. Patag. viii. 285.

Falkland Islands, ex *Macloskie*.

Magellan, Fuegia, New Zealand.

Hierochloe redolens, R. Br. Prod. 209. *H. antarctica*, R. Br. l. c.

H. magellanica, Hook. f. Fl. Ant. ii. 375.

Hooker ! Wright ! Firmin, 21 ! Nichol ! Baie Française, Lesson ! West Falklands ; Roy Cove, very local, *Vallentin*, 77 !

S. temperate region.

Cinnamon Grass. Found chiefly near running water. Very fragrant, not unlike cinnamon. Abundant in Hooker's time, now rare.

Alopecurus alpinus, Sm. Fl. Brit. iii. 1936 ; Macloskie, Fl. Patag. viii. 179.
 Falkland Islands, ex *Macloskie*.
 Magellan, Fuegia.
 Chile, N. temperate and arctic regions.

Agrostis alba, Linn. Sp. Pl. ed. I. 63 ; Hook. f. Fl. Ant. ii. 372 ; Macloskie,
 Fl. Patag. viii. 184. *A. cespitosa*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v.
 (1825) 100, and in Freyc. Voy. Bot. 131.
Gaudichaud ! *Wright* !

Var. **stolonifera**, Hook. f. l. c. *A. stolonifera*, Linn. Sp. Pl. ed. I. 62.
Hooker, 12 !
 Chiloe, Europe, Asia.

Agrostis antarctica, Hook. f. Fl. Ant. ii. 374, t. 132 ; Macloskie, Fl.
 Patag. viii. 185.
Hooker, 2 ! *Wright* !
 Magellan, Fuegia, S. Chile, Kerguelen Island.

Agrostis canina, Linn. Sp. Pl. ed. I. 62. *A. canina*, var. *falklandica*,
 Macloskie, Fl. Patag. viii. 186. *A. falklandica*, Hook. f. Fl. Ant. ii. 373.
 In marshy places, on rocks near the sea and on hills, abundant, *Hooker* !
 W. Patagonia, widely spread in both hemispheres.

Agrostis magellanica, Lam. Ill. i. 160 ; Macloskie, Fl. Patag. viii. 188.
 Falkland Islands, ex *Macloskie*.
 S. Fuegia, S. Chile, Kerguelen Island.

Agrostis prostrata, Hook. f. Fl. Ant. ii. 373 ; Macloskie, Fl. Patag.
 viii. 190.
 East Falklands ; boggy ground on Hog Island, Berkeley Sound, rare,
Hooker, 13 !

Eriachne malouinensis, Steud. Syn. Pl. Gram. 236 ; Macloskie, Fl. Patag.
 viii. 197.
 Falkland Islands, ex *Macloskie*.
 Magellan.

Aira caryophyllea, Linn. Sp. Pl. ed. I. 66 ; Hook. f. Fl. Ant. ii. 375 ;
 Macloskie, Fl. Patag. viii. 198.
 Falkland Islands, introduced, *Wright* ! *Hooker* !
 Europe, Orient.

Deschampsia antarctica, Macloskie, Fl. Patag. viii. 200. *Aira antarctica*, Hook. Ic. Pl. t. 150; Hook. f. Fl. Ant. ii. 377, t. 133. *Airidium elegantulum*, Steud. Syn. Pl. Gram. 423.

Hooker!

Hermite Island, Kerguelen Island, New S. Shetlands.

Deschampsia flexuosa, Trin. in Bull. Acad. Pétersb. i. (1836) 66; Macloskie, Fl. Patag. viii. 201. *Aira flexuosa*, Linn. Sp. Pl. ed. I. 65; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 100, and in Freyc. Voy. Bot. 100; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 600; Hook. f. Fl. Ant. ii. 375.

Gaudichaud! Firmin, 28!

Magellan, Rio Janeiro, N. temperate region.

Deschampsia Martini, Phil. in Ann. Univ. Chil. xciv. (1896) 24; Macloskie, Fl. Patag. viii. 202.

Falkland Islands, ex *Macloskie*.
Chile.

Trisetum subspicatum, Beauv. Agrost. 88; Hook. f. Fl. Ant. i. 97, ii. 377.

T. andinum, Benth. Pl. Hartweg. 261. *T. spicatum*, Richter, Pl. Europ. i. 59; Macloskie, Fl. Patag. viii. 205.

D'Urville, Hooker.

Magellan, Port Famine, Hermite Island, Eurasia.

Triodia antarctica, Hook. f. Fl. Ant. ii. 380, non Benth. nec Petrie.

Sieglungia antarctica, O. Kuntze, Rev. Gen. Pl. i. 737; Macloskie, Fl. Patag. viii. 214.

Falkland Islands.

Magellan, Fuegia, Hermite Island.

Arundo pilosa, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 600; Hook. f.

Fl. Ant. ii. 375. *Ampelodesmos australis*, Brongn. in Duperrey, Voy. Bot. 31, t. 6.

D'Urville, Hooker! Wright! Sullivan!

Poa controversa, Steud. Syn. Pl. Gram. 260; Macloskie, Fl. Patag. viii. 226.

Falkland Islands, ex *Macloskie*.
Fuegia, Patagonia.

Poa flabellata, Hook. f. in Phil. Trans. clxviii. (1877) 22 in obs. ; Macloskie, Fl. Patag. viii. 227. *Poa cæspitosa*, Birger in Engl. Jahrb. xxxix. (1906) 293, t. 2. *Dactylis cæspitosa*, Forst. Comm. Goett. ix. (1789) 22; Hook. f. in Lond. Journ. Bot. ii. (1843) 298, tt. 9–10, and Fl. Ant. ii. 384, tt. 136–7. *Festuca cæspitosa*, Roem. et Schult. Syst. Veg. ii. 732. *F. flabellata*, Lam. Encycl. ii. 462 ; Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 100, and in Freyc. Voy. Bot. 409 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 603 ; Brongn. in Duperrey, Voy. Bot. 36. “*Glaveux*,” Pernetty, Voy. i. 343.

Gaudichaud ! *Abbott* ! *Hooker*, 104 ! *Morony*, 1341 ! *Vallentin*, 57 !

Magellan, Fuegia, Staten Land, Hermite Island, S. Georgia.

Tussac Grass. Very abundant throughout the islands in Hooker's time, now confined to small islets and enclosed areas. Cattle are very fond of its edible roots, hence its rapid extinction.

Poa pratensis, Linn. Sp. Pl. ed. I. 67 ; Hook. f. Fl. Ant. ii. 379 ; Macloskie, Fl. Patag. viii. 229. *P. compressa*, var. *virescens*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 600. *P. alpina*, Brongn. in Duperrey, Voy. Bot. 44, non Linn.

Falkland Islands, ex *Macloskie*.

Magellan, Port Famine, Good Success Bay, North temperate region.

Festuca antarctica, Kunth, Rév. Gram. i. 132, non Spreng. ; Hook. f. Fl. Ant. ii. 382 ; Macloskie, Fl. Patag. viii. 233. *Arundo antarctica*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 602.

East Falklands ; Port William, very scarce, *Hooker* ! West Falklands ; Roy Cove, fairly common, *Vallentin*, 75 !
Patagonia ?

Festuca arenaria, Lam. Encycl. i. 191 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 602 ; Brongn. in Duperrey, Voy. Bot. 35 ; Hook. f. Fl. Ant. ii. 382.

Falkland Islands, *Commerson* ! *Gaudichaud* ! Baie Française, *Lesson* !
Magellan, Port Famine.

Festuca Arundo, Hook. f. Fl. Ant. ii. 381. *F. Alopecurus*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 664 ; Brongn. in Duperrey, Voy. Bot. 32. *Poa Alopecurus*, Kunth, Enum. Pl. i. 256. *Arundo Alopecurus*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 100, and in Freyc. Voy. Bot. 409.
Abundant, *D'Urville*, *Hooker* !

Festuca bromoides, Linn. Sp. Pl. ed. I. 75 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 601 ; Hook. f. Fl. Ant. ii. 384 ; Macloskie, Fl. Patag. viii. 234. Falkland Islands, introduced, *D'Urville, Hooker!*
N. temperate region.

Festuca erecta, D'Urv. in Mém. Soc. Linn. Paris, iv. (1826) 601, non Wallr. ; Brongn. in Duperrey, Voy. Bot. 37, t. 7 ; Hook. f. Fl. Ant. ii. 384.

D'Urville, Hooker!

Fuegia, Hermite Island, Kerguelen Island.

Festuca magellanica, Lam. Encycl. ii. 461 ; Ill. i. 189. *F. ovina*, var. *magellanica*, Hack. ex Macloskie, Fl. Patag. viii. 238.

East and West Falklands, rocks near sea, *Vallentin*, 60 ! *Nichol!* Magellan.

Lolium perenne, Linn. Sp. Pl. ed. I. 83 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 601 ; Brongn. in Duperrey, Voy. Bot. 57 ; Hook. f. Fl. Ant. ii. 389 ; Macloskie, Fl. Patag. viii. 244.

Frequent on sandy sea-shores, *D'Urville*.

Europe, temperate Asia.

Agropyron magellanicum, Hack. ex P. Dusén in Ergebniß. Schwed. Exped. Magellan, iii. v. 331 ; Macloskie, Fl. Patag. viii. 246. *Triticum repens*, var. *pungens*, Brongn. in Duperrey, Voy. Bot. 57 ; Hook. f. Fl. Ant. ii. 389. *T. glaucum*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 601

D'Urville.

Magellan.

Agropyron repens, Beauv. Agrost. 102. *Triticum repens*, Linn. Sp. Pl. ed. I. 86 ; Hook. f. Fl. Ant. ii. 389.

Wright! *Chartres!* East Falklands ; Port William, *Hooker*, 9 ! West Falklands ; Roy Cove Creek, *Vallentin*, 76 !

Temperate regions.

Blue Grass. Abundant in Hooker's time, now rapidly becoming extinct.

Trichomanes cæspitosum, Hook. Sp. Fil. i. 132, t. 40, fig. B. *Hymenophyllum cæspitosum*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 908, and in Freyc. Voy. Bot. 374, t. 5, fig. 2 ; Urv. in Mém. Soc. Linn. Paris, iv. (1826) 597.

Falkland Islands, on trunks of shrubs, *Gaudichaud!* *D'Urville, Hooker!* Hermite Island, Staten Land, Fuegia.

Trichomanes sibthorpioides, Bory ex Willd. Sp. Pl. v. 498 ; C. Christens. Ind. 649. *T. flabellatum*, Bory in Duperrey, Voy. Bot. 281 ; Hook. f. Fl. Ant. ii. 391 ; Hook. & Bak. Syn. Fil. ed. 2, 76. *T. flabellula*, Urv. in Mém. Soc. Linn. Paris, iv. (1826) 597.

Falkland Islands, Gaudichaud, D'Urville.

Bourbon.

Not seen by Hooker or Vallentin.

Hymenophyllum peltatum, Desv. Prod. 333 ; C. Christens. Ind. 365.

H. Wilsoni, var. γ , Hook. Sp. Fil. i. 96 ; Hook. f. Fl. Ant. ii. 390.

Falkland Islands, quartz rocks on hills, Hooker !

Hermite Island, Fuegia, Temperate S. America, Tasmania, New Zealand, Atlantic Islands, S. Africa, W. & S. Europe.

Cystopteris fragilis, Bernh. Neu. Journ. Bot. ii. 27 ; Hook. & Bak. Syn. Fil.

ed. 2, 103. *Polypodium fragile*, Linn. Sp. Pl. ed. II. 1091. *Filix fragilis*, Underw., Our Native Ferns, ed. 6, 119 (1900).

West ? Falklands, Sullivan ! Nichol, 56 !

Magellan, Cosmopolitan.

Dryopteris Filix-mas, var. *elongata*, C. Christens. Ind. 264. *Nephrodium*

Filix-mas, var. *elongatum*, Hook. Sp. Fil. iv. 117. *Polypodium elongatum*, Ait. Hort. Kew. ed. I. iii. 465.

Falkland Islands, Vallentin !

Cosmopolitan in temperate regions.

Dryopteris spinulosa, var. *dilatata*, C. Christens. Ind. 264. *Nephrodium*

spinulosum, var. *dilatatum*, Hook. Brit. Ferns, t. 19 ; Sp. Fil. iv. 127.

Falkland Islands, Vallentin !

Cosmopolitan in temperate regions.

Polystichum adiantiforme, J. Sm. Hist. Fil. 220 ; C. Christens. Ind. 578.

Polypodium adiantiforme, Forst. Prod. 82. *Aspidium coriaceum*, Sw. in Schrad. Journ. (1800) 40. *A. capense*, Willd. Sp. Pl. v. 267.

Nichol ! West Falklands : Crooked Inlet, Roy Cove, in a long sheltered creek where it grows in great profusion, Vallentin, 109 A !

Throughout S. America, West Indies, Gough Island, South Africa, Mascarene Islands.

Fronds a brilliant glossy green.

Polystichum mohrioides, Presl, Tent. 83 ; C. Christens. Ind. 584. *Aspidium*

mohrioides, Bory in Mém. Soc. Linn. Paris, iv. (1826) 597, and in Duperrey, Voy. Bot., Crypt. 267, t. 35, fig. 1 ; Hook. f. Fl. Ant. ii. 392, t. 149.

Falkland Islands, *Lesson* ! *Hooker*, 117 ! *Abbott* ! *D'Urville* ! East Falklands : Mount William, *Cunningham* ! West Falklands : Roy Cove, under rocks near the sea, rare, *Vallentin*, 79 !

Amsterdam Is., Marion Is., Patagonia, Chile.

Asplenium magellanicum, Kaulf. Enum. Fil. 175 ; Hook. et Grev. Ic. Fil. t. 180 ; Hook. f. Fl. Ant. ii. 392 ; Hook. & Bak. Syn. Fil. ed. 2, 213, West Falklands : Port Edgar, *Vallentin* ! Hermite Is., Fuegia, Patagonia, Chile.

Blechnum Penna-marina, Kuhn, Fil. Afr. 92 ; C. Christens. Ind. 158.

Polypodium Penna-marina, Poir. Eneycl. v. 520. *Lomaria alpina* Spreng. Syst. iv. 62 ; Hook. Fil. Exot. t. 32 ; Hook. & Bak. Syn. Fil. ed. 2, 179. *L. polypodioides*, Gaud. in Ann. Sci. Nat. v. (1828) 908, and in Freyc. Voy. Bot. 374. *L. blechnoides*, Bory in Duperrey, Voy. Bot., Crypt. 273. *L. antarctica*, Carmich. in Trans. Linn. Soc. xii. (1819) 512. *L. linearis*, Colenso in Tasman. Phil. Journ. i. (1841) 376, ii. (1844) 176. *Stegania alpina*, β . *latiuscula*, Bory ex Urv. in Mém. Soc. Linn. Paris, iv. (1826) 597.

Falkland Islands, *Hooker*, 17 ! common throughout the archipelago, *Vallentin*, 59 ! West Falklands, *Cunningham* ! Port William, *Lechler*, 84.

Tristan d'Acunha, Magellan, St. Paul, Marion, Kerguelen and Gough Islands, S. Brazil, New Zealand.

This species often covers the ground for many yards ; its fronds come up ruddy in the spring, and gradually change to a dark glossy green.

Blechnum tabulare, Kuhn, Fil. Afr. 94 ; C. Christens. Ind. 160. *Lomaria Boryana*, Willd. Sp. Pl. v. 292 ; Hook. & Bak. Syn. Fil. ed. 2, 180. *L. magellanica*, Desv. Berl. Mag. v. (1811) 330 ; Hook. f. Fl. Ant. ii. 393 ; var. *angustisecta*, Bory in Mém. Soc. Linn. Paris, iv. (1826) 597. *L. setigera*, Gaud. in Ann. Sci. Nat. 1^{re} sér. v. (1825) 98, and in Freye. Voy. Bot. 130. *L. robusta*, Carmich. in Trans. Linn. Soc. xii. (1828) 512. *L. zamnioides*, Gard. ex Hook. f. Fl. Ant. ii. 393. *Pteris palmæformis*, Thouars, Fl. Tristan d'Acunha, 30. "Ceterach," Pernetty, Voy. ii. 56.

Falkland Islands, abundant, *Wright* ! *Vallentin* ! *Nichol* ! East Falklands, *Cunningham* ! Berkeley Sound, *Darwin*, 403 ! West Falklands ; Roy Cove, *Vallentin*, 58 !

Temperate and tropical S. America, West Indies, South Africa.

The young fronds come up bright red, colouring the hill-sides where they grow. An abnormal form with the pinnæ acuminate at the apex and much narrowed throughout the lower half has been found only once at Roy Cove by Mrs. Vallentin (no. 60).

Gleichenia cryptocarpa, Hook. Sp. Fil. i. 7, t. 6, fig. A ; Hooker & Baker,
Syn. Fil. ed. 2, 13. *Mertensia cryptocarpa*, Gay, Fl. Chil. vi. 539.
West Falklands, *Chartres* ! *Robinson* ! Whale Bay, Roy Cove, rare,
Vallentin, 15 !
Chile, Magellan.

Lycopodium clavatum, var. *magellanicum*, Hook. f. Fl. Ant. ii. 394 ; Fl.
Nov. Zeal. ii. 54 ; Baker, Handb. Fern Allies, 26.
Falkland Islands, *Hooker*.
Magellan, Fuegia, Kerguelen Is.
The type occurs in the arctic and alpine zones of both hemispheres, and on
mountains within the tropics.

ENUMERATION OF CHINESE FERNS.

By Fleet-Surgeon CHARLES GEEKIE MATTHEW,
M.B., R.N. (retired), F.L.S.

[Read 2nd February, 1911.]

THE system of nomenclature and conception of genera used in this
Enumeration are those of Diels, as accepted by Christensen in his 'Index
Filicum.'

Cross-references are given in many cases where the identity of old and
well-known species is veiled under newer and less familiar names.

Nephrodium, Richard, has been retained for the reception of a few species
which have recently been described under that generic heading or have
escaped re-naming into *Dryopteris* by Christensen.

The references given do not necessarily apply to the original descriptions
of the species, but to records of their occurrence within the Chinese area.

ACROPHORUS STIPELLATUS, Moore ; Hayat. in Bot. Mag. Tokyo, xxiii. (1909) 4.
Davallia stipellata, Wall.—Formosa.

ACROSTICHUM AUREUM, Linn. ; Benth., Fl. Hongk. (1861) 443.—Hongkong :
Kwangtung : Formosa.

ADIANTUM ACROCARPON, Christ in Bull. Acad. Géogr. Bot. xiii. (1904)
110.—Kweichau.

BALANSÆ, Bak. in Journ. Bot. xxviii. (1890) 263.—Yunnan : Szechuen :
Hupeh.