

## Repertorium.

F. Tr. Kützing, Tabulae phycologicae oder Abbildungen der Thange. Band XVIII. T. 1—50. Nordhausen, 1868.

(Schluß.)

*Gelidium linoides.* (Kg. nov. sp.) G. capillare elongatum, alterne ramosum, ubique fere aequicrassum, diaphanum, corneum, ramis elongatis gracilibus virgatis, iterum ramulosis, ramulis brevibus distantibus alternis, raro oppositis, demum in carpoclonia clavata pedunculata transientibus. — In archipelago Sandvicensi.

*Gelidium coarctatum.* (Kg. nov. sp.) G. rigidum, corneum, ramosum, phycomate complanato filiformi bi-tripinnato, pennis inferioribus distantibus, superioribus dense approximatis, interdum conglomeratis; pinnulis demum in carpoclonia intumescentibus. — Ad oras Brasiliae.

*Gelidium micropterum.* (Kg. nov. sp.) G. parvulum, complanatum, basi in ramos subaequales divisum, ramis tri-pinnatis vel supradecompositis, a basi ad apicem sensim dilatatis, pinnulis in carpoclonia demum transformatis; cystocarpiis iterum pinnulatis, obtusis vel subemarginatis — Cap. Bonae Spei.

*Gelidium repens.* (Kg. nov. sp.) G. parvum, caule setaceo repente, ramis planis anguste linearibus, irregulariter dichotomis, subcorymbosis, apice obtusis — Nova Caledonia.

*Gelidium fastigatum.* (Kg. nov. sp.) G. phycomate filiformi parum compresso, dichotomo fastigato, segmentis apicem versus sensim attenuatis. — Cap. Agulhas

*Gelidium serratum.* (Kg. nov. sp.) G. complanatum, bipinnatum, pennis pinnulisque oppositis approximatis linearilanceolatis acutis margine serratis. — Cap. Bonae Spei.

*Gelidium apiculatum.* (Kg. nov. sp.) G. elongatum, phycomate angustissime ligulato, margine dense ciliato-dentato, laxe bipinnato, pennis tortis, basi et apice nudis, medio pinnulatis, pinnulis approximatis sursum decrescentibus, carpoclonia filiformia irregulariter ramosa, apiculata gerentibus. — Ad oras Africae.

*Gelidium polyacanthum.* (Kg. nov. sp.) G. minor, filiforme rigidum, irregulariter bi-tripinnatum, jugamentis basi ramelliferis, pinnulis in carpoclonia spinosa intumescentibus. — California.

*Gelidium lingulatum.* (J. Ag. „Suhria lingulata.“) G. elongatum, gracile, phycomate plano angustissime linearis, basi attenuato, margine obsolete denticulato, in segmenta elongata

diviso, segmentis apice pinnatis, pinnis conformibus, raro pinnulatis, interdum margine spiniferis. — Ad oras chilenses.

*Gelidium multicorne*. (Kg. nov. sp.) G. mediocre, complanatum, stipite elongato basi diviso, superne irregulariter et dense pinnato-multifido, summitatibus hinc latoribus lobulatis, illinc angustissime furcato-ramellosis, omnibus dense approximatis. — Nova Caledonia. L. R.

Index seminum in horto bot. Berolinensi anno 1867 collect. — In dem diesem beigegebenen „Appendix specierum novarum etc.“ finden wir folgende, in den Kreis der Hedwigia gehörende Arten:

*Selaginella Mettenii* A. Br. Surculi elongati, prostrati et radicanti-repentes, versus apicem adscendentes, pinnatim ramosi. Rami inferiores remoti, superiores approximati, breves, horizontaliter expansi, 3-6-ramulosi, ramulis simplicibus vel infimis bifidis. Rami accessorii ex axillis foliorum axillarium paginae inferioris (nec non superioris) demum prodeuntes, in surculi primarii formam excrescentes. Radices tenues, geminatae, postica major et antica minor. Caulis dorso et ventre subcarinato-convexus, utrinque sulco lato exaratus, vasorum fasciculis 3 superpositis, medio majori, supremo tenuissimo. Folia herbaceo-viridia, ubique dimorpha, in caule primario remotiuscula, in ramis conferta, sed vix contigua; lateralia antica, subpatentia, recta vel paullulum sursum incurva, subaequilatera, ovalia vel ovali-lanceolata, inferiora vix, superiora brevissime acuminata, acuta, basi inferiore libera et leniter subcordato-excisa, superiore attenuata, ad  $\frac{2}{3}$  integerrima anguste albomarginata, prope apicem denticulata. Folia intermedia in caule primario lateralibus vix minora, in ramis duplo-triplo-minora, adpressa, oblonga, breviter acuminata, basi oblique adnata et utrinque brevissime et anguste subauriculata, integerrima, dorso carinata et stomatibus per totam superficiem sparsis albo-punctata. Epidermis paginae superioris foliorum e cellulis orbicularibus margine subflexuosis chlorophyllo repletis, paginae inferioris elongatis flexuosis chlorophylli granula minora vel omnino nulla continentibus. Spicæ in apicibus ramulorum, a dorso compressiusculæ, bracteis conformibus.

*Selaginella brevipes* A. Br. S. Griffithii hort.; M'Nab in Transact. of the bot. soc. of Edinb. IX. (1867) p. 8; Baker in Gardn. Chron. 1867, p. 1190 (non Spring). Surculi caulescentes frondiformes. Stipes brevis, basi stolones breves mox assurgentēs emittens. Lamina ovato-triangularis, e tri-pinnato decrescens, ramulis versus apicem angustatis. Caulis goniotrope tetragonus, facie leviter bisulcatus, dorso rotun-

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