

Notizblatt für kryptogamische Studien,
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Inhalt: Repertorium: Linnaea. Band 36. Heft I. Reliquiae Mettenianae auctore M. Kuhn. (Continuatio.) — 100 Specimens of British Leaf-Fungi, collected and arranged by M. C. Cooke. — Dr. L. Rabenhorst, Die Algen Europa's. Dec. 221 u. 222. — Derselbe, Cryptogamae vasculares europaeae. Fasc. V. — Dr. Ch. Müller, Chemisch-physikalische Beschreibung der Thermen von Baden in der Schweiz. — J. S. Deichmann Branth, Lavernes Udbredelse i den nordlige del af Jylland. — Dr. Ferd. Cohn, Beiträge zur Biologie der Pflanzen. — Eug. Warming, Symbolae ad Floram Brasiliae centralis cognoscendam. Part. quinta.

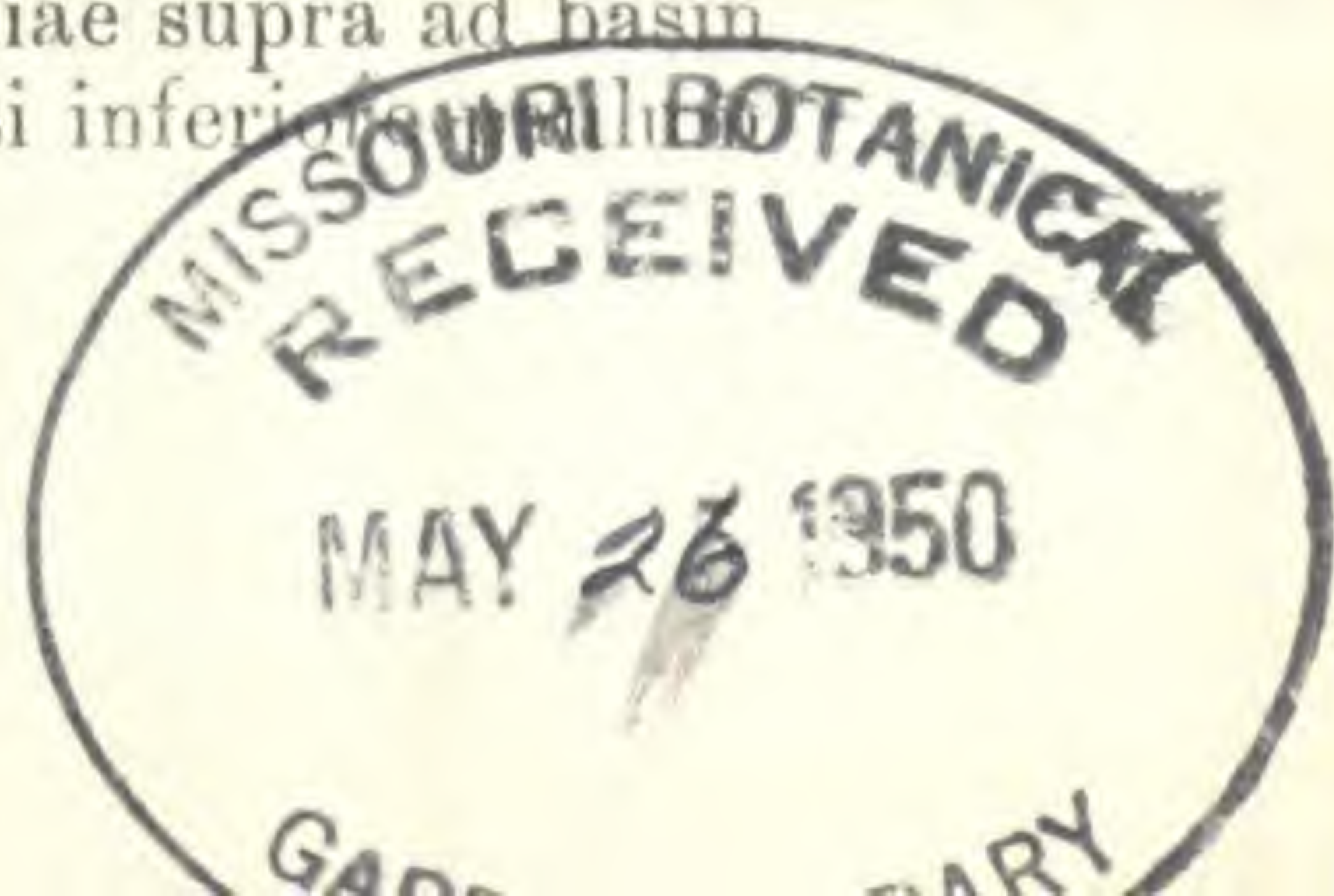
Repertorium.

Linnaea. Band 36. Heft I. Reliquae Mettenianae auctore M. Kuhn.

(Continuatio.)

P. rangiferina Presl. Rhizoma?, folia subchartacea, pellucida, glaberrima; petiolus ad 2" longus, fuscus, rachis straminea, laevis, lamina ampla, ultra 2½' longa, oblonga, acuminata, pinnatisecta; segmenta distantia, patentia, pleraque petiolulata, petiolulo ad 6" longo, infima ad 9" longa, 1¼" lata, e basi cuneata, inaequali, superiora longius in petiolulum descendunt, magis rotundata, lato-lineariter, basi brevius attenuata, acuminata, integerrima, margine calloso attenuato apice producto leviter sinuata; superiora fertilia decrescentia, angustiora hinc inde latere superiore laciniata, laciniis 1—2 linearibus, acuminatis, suprema indivisa, deorsum adnata, costa supra leviter sulcata; nervi sterilia bis s. trifurcata, ½" circiter distantes, plerumque intra marginem callosum anastomosantes, fertilia laxius disposita, margo revolutus hyalinus, latiusculus, integerrimus, rarius dilaceratus; sori continui usque ad apicem attenuatum continuati, paraphyses nullae. Java.

P. umbraculifera Mett. Rhizoma deest; folia tenuiter chartacea, glaberrima, petiolus stramineo-rufescens; lamina 1½' longa, late ovata, quinato-pinnatisecto-profunde pinnatipartita; divisiones segmenti primarii lanceolatae, media maxima petiolata, laterales decrescentes; infimae subsessiles; segmenta numerosa patentissima, media ad 3½" longa, sessilia, elongata, acuminata, apice leviter serrata; lacinae supra ad basin costulae spinula manifesta instructae, e basi inferiori



latiore contiguae oblongae, obtusae, apice sterili levissime crenulatae, ad latera soriferae, nervi laxè dispositi utrinque 4—6 indivisi; indusium membranaceum, latiusculum, paraphyses paucissimae filiformes. Java.

P. consanguinea Mett. Rhizoma? folia membranacea, laete viridia, glaberrima, petiolus? rachis straminea, lamina ovato-oblonga, pinnatisecto-pinnatipartita; segmenta subopposita distantia, ad 1' longa, elongata, acuminata, infima sessilia s. subsessilia, bipartita, superiora breviter decurrentia, lacinae rectangule patentes, ala $1\frac{1}{2}$ " lata confluentes, sinus rotundatis, aequaliter dilatatis distinctae, oblongo-lanceolatae, acuminatae, apice sterili leviter serrata; costae supra prominutae teretes; nervi manifesti, infimi externi e costa in vicinia costulae emergentes; maculae secus costas et costulas biseriatae sori e basi versus apicem laciniarum extensi; margo revolutus, paraphyses filiformes. Pt. aculeata Hook. e. p., *P. gigantea* id. e. p. Venezuela (Fendler 97 Linden 234 Funk et Schl. 299), Nova Granada (Schlim 605). Ecuador.

P. obscura Mett. Rhizoma deest; folia coriacea opacoviridia, in utraque pagina in costis costulisque densius brevi pubescenti-hirta, rachis costaeque rufescentes, lamina $1\frac{1}{2}$ ' longa, oblonga, pinnatisecto-pinnatipartita; segmenta opposita, subdistantia, ad 9" longa, sessilia s. subsessilia, elongato-acuminata, infima s. inferiora bipartita, lacinae ala manifesta confluentes, sinus deorsum dilatatis distinctae, oblongo-lanceolatae, subfalcatae, acutae s. acuminatae, steriles leviter serratae; costae costulaeque supra prominulae, nervi infimi externi e media costa erumpentes; maculae prominulae secus costas costulasque bi-triseriatae, radii dorsum dentium adentes; sori e basi ultra medium laciniarum externi, margo revolutus angustus, paraphyses nullae (?). Venezuela (Funk et Schlim 599).

P. speciosa Mett. Rhizoma deest; folia coriacea, laete viridia, subnitida, glaberrima, supra ad basin costularum superiorum spinula minuta valida adpressa instructa; petiolus validus 6"—? longus cum rachi rufescens, nitidus, lamina 2' longa oblonga, pinnatisecta; segmenta 6—7 juga, subopposita, distantia, patentia, breviter petiolata, 8" longa, $2\frac{1}{4}$ " lata, oblonga, acuminata, vix ultra medium pinnatifida, apice argute serrata; lacinae approximatae, ala 5—6" lata confluentes, sinus acutis distinctae, breviter oblongae velovatae, falcatae, acutae, steriles margine toto, fertiles apice argute serratae, nervi infimi externi e costa in vicinia costulae emergentes; maculae inter costam et sinus 4—5 seriatae, costulares 2—3 seriatae, sori e sinus fere ad apicem extensi, indusium latiusculum membranaceum; paraphyses fili-

formes numerosae. *P. camptocarpa* Mett. e. p. Peruvia (Lechler 2326) Tarapota (Spruce 4759); Ecuador (Spruce 4759).

P. reticulata Mett. Rhizoma? folia coriacea, denique glabra, supra ad basin costularum spinula manifesta instructa; petiolus cum rahi livido-rubellus, laevis vel levissime scaberulus, lamina ampla, oblonga, pinnatisecta; segmenta subopposita, sessilia, ad $1\frac{1}{2}$ ' longa, 4'' lata, elongato-oblongo-lanceolata, acuminata, profunde pinnatipartita; apice crenata, superiora sessilia, infima petiolata, conformia vel bipartita, lacinae rectangule patentes sinibus rotundatis distinctae, 1—2'' longae, 3—4''' latae, e basi latiore oblongo-lanceolatae, apice attenuato acuminatae vel obtusiusculae, obtuse serrulatae, basales cuneatim in superioribus usque ad rachim, decurrentes; maculae manifeste exsculptae, infra valde prominulae, ad sinus praeter arcum Pleocnemiae costalem 1—2 seriatae, ad costales plerumque biseriatae; nervi infimi externi e basi s. in vicinia basis costulae egredientes; sori e sinibus fere ad apicem extensi; indusium angustum, paraphyses nullae. Peruvia. (Spruce 4752).

P. microptera Mett. Rhizoma deest; folia chartacea, laete viridia, glaberrima, infra tenuiter scaberula, supra ad basin costularum spinulis minutis praedita; petiolus?, lamina 1' longa, oblonga, pinnatisecto-pinnatipartita; segmenta 5—?juga, oblique patentia, subapproximata, $5\frac{1}{2}$ '' longa, 2'' lata, oblongo-lanceolata, acuminata, apice argute serrata; lacinae distantes sinibus deorsum dilatatis distinctae, ala angusta sensim attenuata confluentes, oblique patentis, lineari-oblongae subfalcatae, apice serratae, basales plerumque abbreviatae, nervi translucens, infimi externi in vicinia originis costulae e costa emergentes, arcus costales subbini, costae adpressi, maculae costulares singulae s. incomplete biseriatae; sori lineares, margo revolutus, membranaceus, integerrimus, angustus, paraphyses filiformes paucae. *P. comans* β Hook. Ins. Lord Howe. (Strange.)

Asplenium denudatum Mett. Rhizoma repens, caespitosum, paleis ferrugineis, concoloribus, reticulatis, lanceolatis, acuminatis squamosum; folia membranacea, nigricanti-viridia, glaberrima, raro hinc inde glandulosa, flexuosa; petiolus teres 1'' longus cum rachi castaneus, nitidus, inferne leviter sulcatus, hinc inde praesertim ad insertionem pinnularum pilis longe articulatis glandula globosa terminantibus instructus; rachis vix marginata; lamina 4—6'' longa, linearis, pinnata, pinnae alternae laxe dispositae, sessiles, trapezio-brevi-oblongae, e basi inferiore cuneata, superiore truncato-subauriculata, crenatae, versus basin laminae sensim decrescentes, infimae deltoideo trifidae; segmentum terminale e basi cuneata lato-obcordatum, irregulariter crenatum, nervi distantes singulas

crenas adeuntes, a margine longe remoti jam desinentes; sori pauci costae approximati, abbreviati, indusium latiusculum erosum, denique reflexum, fugax. Andes Peruv.

A. Beddomei Mett. Rhizoma abbreviatum paleis ferrugineis concoloribus, lucidis, lanceolatis, acuminatis squamosum, folia densa membranacea livido-viridia; petiolus 2—4" longus cum rachi paleis reticulatis, ferrugineis, e basi lanceolata subdilacerata in setam longissimam productis squamulosa; lamina 6—8" longa, lanceolata, pinnatisecta; segmenta numerosa, patentissima, sessilia, e basi superiore truncata, inferiore cuneata trapezio-ovata s. oblonga apice attenuata obtusa leviter incisa, lobus basalis abbreviatus, crenatus; nervi distantes, furcati, ante apices crenarum desinentes; sori costulares nec costulam nec marginem attingentes; indusium dense membranaceum paululum in parenchyma productum. Montes nelag. (Beddome 57.)

A. Wilfordii Mett. Rhizoma repens paleis lucidis, ferrugineis, lanceolatis, longe acuminatis vestitum; folia densa, chartacea, firma, laete viridia, hinc inde paleis minutissimis ferrugineis, basi dilaceratis obsita; petiolus basi paleis 4—6" longis, $\frac{1}{3}$ " latis lanceolatis, longe acuminatis, ferrugineis squamosus, ceterum paleis minoribus, ferrugineis ovatis, 1" longis sparse obsitus et mox denudatus; lamina 5—9" longa, oblonga s. ovata, acuminata, quadripinnatisecta; segmenta primaria alterna, petiolata, ovata, caudato-acuminata, ultima spathulata s. cuneata, antice bi-tridentata, nervum bi-trifidum excipientia, nervi dorsum dentium adeuntes ante marginem desinentes, sori nec marginem nec costulam attingentes; sori ultimi plerumque oppositi, indusium elongatum, apice rotundatum, paraphyses nullae. *A. furcatum* Hook e. p. Tsus-Lima. (Wilford 783) Japonia.

A. Mildei Kuhn. Rhizoma ascendens gracile, paleis ferrugineis lividis, oblongis acutis squamosum mox denudatum; folia membranacea, tenera, opaco-viridia, glaberrima; petiolus 4—6" longus, cum rachi lividus, lamina 5—6" longa, oblonga, s. ovata, acuminata, bipinnatisecta; segmenta primaria manifeste petiolata, trapezio-oblongo-lanceolata, subfalcata; secundaria e basi inaequaliter cuneata, trapezio-oblonga, basi auriculata, ceterum serrulata, superiora in apicem incisum confluentia; nervi angulo aculo decurrentes, apices dentium adeuntes omnes polystichoidei, sori pauci elongati, e costula fere ad marginem extensi; indusium membranaceum irregulariter sinuatum, paraphyses nullae. Ecuadon. (Spruce 5335).

A. D'Urvillei Mett. Rhizoma deest; folia membranacea pellucida, laete viridia glaberrima, petiolus stramineus rachis

laminae subconcolor superne compressa, lamina 1' longa, 4" lata, oblonga, acuta, pinnatisecta cum impari; segmenta 8 juga, oblique patentia, sublata disposita, pleraque basi attenuata, superiore exciso-oblique truncata latiore rotundata, inferiore cuneata oblonga, breviter acuminata, tenuiter serrulata 3" longa, 1" lata, infima petiolata, aequilatera, nervi laxi 2"" distantes sub angulo 40—50° decurrentes, furcati, in ramo antico soriferi; sori utrinque 10 elongati, e costa et margine 1½—2"" distantes; indusium membranaceum, tenerum, pallidum, integerrimum, in parenchyma productum. Ad „*Simum insularum*“ Novae Zealandiae. (D'Orbigny.)

(Continuabitur.)

100 Specimens of British Leaf-Fungi, collected and arranged by M. C. Cooke. London, Robert Hardwicke, 1870.

1. *Aregma acuminatum* Fr.
2. *Aregma bulbosum* Fr.
3. *Aregma mucronatum* Fr.
4. *Triphragmium Ulmariae* Lk.
5. *Puccinia Polygonorum* Lk.
6. *Puccinia Primulae* Grev.
7. *P. Veronicarum* DC.
8. *P. Glechomatis* DC.
9. *P. Scorodoniae* Lk.
10. *Puccinia Vincae* B.
11. *P. Compositarum* var. *Serratulae* Schl.
12. *Puccinia Compositarum* var. *Centaureae* Schl.
13. *P. Syngenesiarum* Lk.
14. *P. Valantiae* P.
15. *P. Umbelliferarum* DC.
16. *P. Apii* Corda.
17. *P. Saniculae* Grev.
18. *P. Anemones* P.
19. *P. Noli-tangeris* Corda.
20. *P. Umbilici* Guép.
21. *P. Lychnidearum* Lk.
22. *P. Prunorum* Lk.
23. *P. Buxi* DC.
24. *Uromyces Ficariae* Lév.
25. *U. Ulmariae* Lév.
26. *U. apiculata* Lév.
27. *U. intrusa* Lév.
28. *U. Iridis* Lév.
29. *U. pustulata* P.
30. *U. Caryophyllacearum* Johns.
31. *U. Circae* A. & S.
32. *Lecythea Valerianae* B.
33. *Trichobasis Caricina* var. *Junci* B.
34. *Trich. Petroselini* B.
35. *Trich. Caricina* B.
36. *Trich. Cichoracearum* Lév.
37. *Trich. Labiatarum* Lév.
38. *Trich. Umbellatarum* Lév.
39. *Trich. Betae* Lév.
40. *Trich. fallens* Cooke.
41. *Trich. Fabae* Lév.
42. *Trich. Polygonorum* B.
43. *Trich. Violarum* B.
44. *Trich. Hydrocotyles* Cooke.
45. *Coleosporium Petasites* Lév.
46. *Cystopus candidus* Lév.
47. *Melampsora Populina* Lév.
48. *Melampsora Tremulae* Tul.
49. *Melampsora Salicina* Lév.
50. *Roestelia lacerata* Tul.
51. *Aecidium Tragopogonis* P.
52. *Aecidium Epilobii* DC.
53. *Aecid. crassum* P.
54. *Aecid. Periclymeni* DC.
55. *Aecid. Ranunculacearum* DC.
56. *Aecid. Valerianacearum* Duby.
57. *Aecid. Compositarum* var. *Bellidis* Mart.
58. *Aecid. Compositarum* var. *Tussilaginis* Mart.
59. *Aecid. rubellum* P.
60. *Leptothyrium Juglandis* Lib.
61. *Lept. Ribis* Lib.
62. *Lept. Fragariae* Lib.
63. *Septoria*

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