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(Pterygium)

## Fam. II. — COLLEMACEI.

## Trib. I. — LICHINEI.

I. — **Pterygium** Nyl.

16. **P. centrifugum** Nyl. in *Bull. Soc. Bot.* 1854 p. 328, id. *Syn.* I p. 92, Anzi *Lang.* 311.

Ad saxa umbrosa calcis primitivae in Valle di Dentro agri Bormienses (Anzi), prope Engelberg et Kandersteg (Metzler), in monte Salève et supra Vallon d'Arveran in monte Reculet (Müller).

17. **P. agglutinatum** (Anzi *Lang.* 268) Nyl. *in lit.*

Ad rupes graniticas valde declives humiditas et umbras ab Oleae regione usque in regionem Fagi: Veltlin (Anzi).

18. **P. subradiatum** Nyl. *Prodr.* p. 68 sub *Pannaria*, *Syn. Lecothecium radiosum* Anzi *Man.* p. 4, id. *Lang.* 442, 476.

Frequens in alpibus calcareis sed plerumque sterilis. Fertile supra Bex legit Müller.

## Trib. II. — COLLEMEI.

I. — **Synalissa** DR., Nyl.

19. **S. symphorea** (DC. *Fl. Fr.* 2 p. 382) Nyl. *Syn.* I p. 94, Hepp *Fl. E.* 89, Anzi *It. sup.* 1.

Ad rupes calcareas inter squamas *Lecideae luridae* a planitie in regionem alpinam procedens: Lägern prope Baden (Hepp), prope Chur (Killias), Felsberg (Theobald), in agro Bormiensi (Anzi), Salève (Müller), Jura (Chaillet), in monte Fenera supra Borgosesia (Baglietto-Carestia).

**20. S. salevensis** Müll.-Arg. *Genev.* p. 81.

Ad rupium parietes irroratos montis Salève supra Veyrier (Müller).

**II. — Synalissopsis** Nyl. ad interim.**2. S. picina** Nyl. (*Prodr.* p. 19) *in lit.*, *Collema pulposum* var. *diffRACTO-areolatum* Schaer *En.* p. 259 p. p.

Supra muscos in Bois de Batie prope Genf (Rome).

**III. — Omphalaria** DR.-Mnt.**22. O. pulvinata** (Schaer. *Spic.* p. 544) Nyl. *L. P.* 103, id. *Syn.* I p. 99, Schaer. *L. H.* 435, Hepp *Fl. E.* 658, 659, Anzi *Lang.* 290.

Ad saxa calcarea: Baden (Hepp), Oeschenthal (Schae-  
rer), Sewen (Hegetschweiler), circa lacus prope  
Neuchâtel (Chaillet), Biel et Puschlav, Tresivio,  
aquas veteres Bormienses 1500 m. (Anzi), in monte  
Fenera supra Borgosesia et prope Riva (Baglietto-  
Carestia), in valle Rhodani inter Brieg et Naters  
unacum var. *pachyphylla* Müll.-Arg. *Lich. Val.*  
p. 9 (Müller).

**23. O. Heppii** Müll.-Arg. *Genev.* p. 82.

Ad saxa saepius immersa in litore fluminis Arve infra  
Mornex et propter ripas fluminis Dranse infra  
Bovernier (Müller).

Forte non diversa ab *O. pulvinata*.

**24. O. Girardi** DR.-Mnt. *Alger.* p. 199, Nyl. *Syn.* p. 99.

In monte Fenera Valsesia (Baglietto-Carestia).

**25. O. corallodes** (Mass. in *Flora* 1856 p. 213) Nyl. *Syn.* I  
p. 101, Anzi *Lang.* 1.

(Omphalaria)

Ad rupes calcareas: Maloja, supra Tresivio et in agro Bormiensi (Anzi), in alpibus Ovago et Rizzolo prope Riva (Baglietto-Carestia).

26. **O. botryosa** (Mass. *Misc.* p. 20) Nyl. *Syn.* I p. 101, Hepp *Fl. E.* 930, Anzi *Lang.* 309.

Ad saxa calcarea: Mornex (Müller), Bormio (Anzi).

27. **O. Notarisii** Mass. *Symm.* p. 58, Anzi *Lang.* 310.

Ad saxa calcarea prope Premadio, Tresivio, Como (Anzi), ad viam inter Aigle et Sepey (Müller).

28. **O. plectopsora** Mass. *Hb.*, Anzi *Lang.* 475.

Ad saxa dolomitica montis Grona (Anzi).

29. **O. decipiens** (Mass. *Framm.* p. 13) Nyl. *in lit.*

Ad calcem prope Bormio (Anzi) et in monte Fenera Valsesiae (Baglietto-Carestia).

#### IV. — **Collema** Ach.

30. **C. chalazanum** Ach. *L. U.* p. 630, Nyl. *Syn.* p. 104.

Supra terram et muscos prope Riffersweil, Affoltern (Hegetschweiler jr.) et Genf (Müller).

31. **C. Mülleri** (Hepp in Müll.-Arg. *Genev.* p. 84), id. *Fl. E.* 933, *Krypt. Bad.* 661, Rbh. *L. E.* 701.

Super muscos in alveo fluviorum Rheni prope Laufenburg (Leiner) et Arve prope Genf (Müller).

32. **C. sanguinolentum** Krmplh. *Bayr.* p. 278 sub *Physma*.

Ad terram humosam prope Ürzlikon et Zug (Hegetschweiler jr.).

33. **C. myriococum** Ach. *L. U.* p. 638, Nyl. *Syn.* I p. 104.

Supra muscos in alpibus, ad lapides calcareos prope Riffersweil (Hegetschweiler jr.).

34. **C. cyathodes** (Mass. in *Flora* 1856 p. 214) Nyl. *Syn.* I p. 105.

Calccicola in fundo vallis Vogna (Baglietto-Carestia).

- 35. C. auriculatum** (Hffm. *D. Fl.* II p. 98) Nyl. *Syn.* I p. 106, Schaer. *L. H.* 432, Hepp *Fl. E.* 648, 649, Anzi *It. sup.* 7, 8 p. p.

Ad rupes praesertim calcareas inter muscos e regione campestri in subalpinam procedens: Riffersweil (Hegetschweiler), Ütliberg (Hepp), Goldau, Schwyz, Brunnen, Mythen (Harz), Rigi (Hegetschweiler), Ragatz, Maladers (Theobald), Chur (Killias), Veltlin (Anzi), Bremgarten, Lauperswyl, Belpberg, Lengenberg, ad thermas Weissenburgenses, Gurnigel, Stockhorn, Pilatus (Schaerer), Genf (Theobald), Creux du Vent, Locle, Bex (Cornaz), Pontarlier (Millardet), circa Riva et Alagna (Baglietto-Carestia). Var. *dispersum* Krmplh. *Bayr.* p. 19 supra muros sine caemento exstructos prope Molleo (Baglietto-Carestia).

- 36. \* C. papulosum** Ach. *L. U.* p. 634, Nyl. in *Flora* 1875 p. 302.

Lignicola sterilis in Hb. Ach.

Forsan sit *C. granuliferum* Nyl. in *Flora* 1875 p. 103.

- 37. C. ceranoides** (Borr. in *E. B. suppl.* II f. 2704) Nyl. in *Flora* 1878 p. 342.

Muscicola ad saxa calcarea Helvetiae mitioris (Schleicher).

- 38. C. flaccidum** Ach. *Syn.* p. 322, Nyl. *Syn.* I p. 107, Schaer. *L. H.* 412, Hepp *Fl. E.* 651, Anzi *It. sup.* 3, *Erb. critt.* 1244.

Locis umbrosis ad saxa, rarius ad arborum truncos e regione campestri in alpinam ascendens: Zürich (Hepp), Schwyz (Harz), Riffersweil, Belpberg, Gasterthal, Tête noire, Bois de Göre, supra Liddes in Valisia inferiore (Schaerer), Chur, Roffla et Tarasp (Killias), Mayenfeld, Luziensteig, Kal-

(Collema)

feuserthal et circa m. Bernina (Theobald), in meridiano fastigio alpium Rhaeticarum (Anzi), Locarno (Daldini), in Valsesia (Baglietto-Carestia).

39. **C. furvum** Ach. *L. U.* p. 650, *Nyl. Syn.* I p. 107, Schaer. *L. H.* 413, 414, Hepp *Fl. E.* 925, 414?

Ad saxa, muros et arbores.

40. **C. melaenum** Ach. *L. U.* p. 636, *Nyl. Scand.* p. 29, Schaer. *L. H.* 418—420, 422, Hepp *Fl. E.* 917, 918, Anzi *Lang.* 291, Rbh. *L. E.* 219.

Ad saxa calcarea praesertim aprica frequens. *F. terrestre* Arn. *Tir.* XI p. 18 in summo Mettelhorn (Kündig).

Ad *C. melaenum* etiam *C. undulatum* Ach. *Syn.* p. 316 ducendum est.

41. **C. polycarpon** (Schaer. *Spic.* p. 532, *Nyl. Syn.* I p. 109) Krb. *Pg.* p. 417, *Nyl.* in *Norrl. Kar.* p. 7, Schaer. *L. H.* 421, Hepp *Fl. E.* 919, Anzi *Lang.* 4.

Ad saxa calcarea in alpes ascendens.

42. **C. cristatum** (L. *Spec.* p. 1610, Hffm. *D. Fl.* II p. 101) *Nyl.* in *Lamy Cat.* p. 3, Schaer. *L. H.* 417, Hepp *Fl. E.* 213, Anzi *It. sup.* 6.

Ad rupes calcareas muscosas montium et alpium.

43. **C. pulposum** Ach. *Syn.* p. 311, *Nyl. Scand.* p. 30, Schaer. *L. H.* 428, Hepp *Fl. E.* 417, Anzi *Lang.* 497a.

Supra muscos et terram sabulosam, ad saxa et moenia calcarea. Var. *granulatum* (Ach. *Syn.* p. 312) Schaer. *Spic.* p. 538, id. *L. H.* 429, Hepp *Fl. E.* 418, *Schw. Krypt.* 273, Anzi *Lang.* 497b, Rbh. *L. E.* 678 iisdem locis. Var. *hydrocharum* (Ach. *L. U.* p. 643) *Nyl. Scand.* p. 30, Schaer. *L. H.* 430, Anzi *Lang.* 2 ad terram prope Bern (Schae-  
rer), in montibus prope Como, Chiavenna et in val-

libus Furva et Zebrù (Anzi). Var. *diffRACTO-areo-*  
*latum* Schaer. *Spic.* p. 539, id. *L. H.* 431 ad terram  
et saxa prope Fuly (Schaerer) et Weissenstein in  
monte Albula (Hegetschweiler).

44. **C. tenax** Ach. *L. U.* p. 635, Nyl. in Lamy *Cat.* p. 4,  
Hepp *Fl. E.* 87, 88?, Anzi *Lang.* 3.

Ad terram, muros, saxa et truncos muscosos arborum.

45. **C. intestiniforme** Schaer. *Spic.* p. 542, id. *En.* p. 258.

Ad saxa calcarea circa Neuchâtel (Chaillet).

46. **C. limosum** Ach. *L. U.* p. 629, Nyl. *Syn.* I p. 110.

Ad terram „im Sihlwald“ (Hegetschweiler jr.).

47. **C. cheileum** Ach. *L. U.* p. 630, Nyl. *Scand.* p. 31,  
Schaer. *L. H.* 425 (*nudum*), Hepp *Fl. E.* 923.

Supra muros, lapides arenaceos et terram in regioni-  
bus calcareis recentioris formationis: Zürich, Lie-  
stal (Hepp), Albis, Bern, Belp, Vevay (Schaerer),  
Como (Anzi), Genf (Müller).

48. **C. verruciforme** (Ach. *L. U.* p. 650) Nyl. *Prodr.* p. 23,  
Schaer. *L. H.* 416 p. p., Hepp *Fl. E.* 926.

Ad corticem arborum prope Zürich (Hepp), Riffers-  
weil (Hegetschweiler), Bern (Schaerer).

49. **C. stygium** Del. *Hb.*, Schaer. *Spic.* p. 544, Nyl. in  
*Flora* 1872 p. 554, Schaer. *L. H.* 434.

Ad saxa calcarea circa lacum Biennensem (Schaerer).

50. **C. conglomeratum** Hffm. *D. Fl.* II p. 102, Nyl. *Syn.* I  
p. 115, Schaer. *L. H.* 415, Hepp *Fl. E.* 650, *Schw.*  
*Krypt.* 274.

Ad truncos arborum prope urbes et in ambulacris.

51. **C. verruculosum** Hepp in Müll.-Arg. *Genev.* p. 86, id.  
*Fl. E.* 416, Anzi *It. sup.* 5.

Frequens ad corticem Juglandis prope Chur (Hepp),

(Collema)

Fraxini in valle di Tartano et *Aceris campestris* prope Como (Anzi), Salicis prope Genf (Müller), Fraxini et Mori in Valsesia (Baglietto-Carestia).

- 52. C. callopisma** Mass. *Misc.* p. 23, *Nyl. Syn.* I p. 113.

Ad rupes calcareas siccas in pede montis Salève (Müller).

- 53. C. nigrescens** Ach. *L. U.* p. 646, *Nyl. Syn.* I p. 114, Schaer. *L. H.* 410, Hepp *Fl. E.* 216, Anzi *It. sup.* 4, *Schw. Krypt.* 275.

Ad arborum truncos: Ütliberg (Hepp), Axenberg (Gisler), circa lacum Verbanum (De Notaris), Dombresson (Mortier), Neuenburg et Bex (Thomas), Genf (Reuter, Müller) circa Como (Anzi), in Valsesia (Baglietto-Carestia).

- 54. C. aggregatum** (Ach. *L. U.* p. 648) *Nyl. Alger.* p. 318, id. *Syn.* I p. 115, Hepp *Fl. E.* 932, Anzi *Lang.* 8, *Erb. critt.* 1097.

Ad truncos arborum a planitie usque ad terminum arboreum: Konstanz (Stizenberger), Valle di Tartano et Val Forcolo prope montem Bernina (Anzi), in valle Vogna superiore (Baglietto-Carestia).

- 55. C. Laureri** Fw. in *Linn.* 1850 p. 161, Schaer. *L. H.* 419 p. p., Hepp *Fl. E.* 931, Anzi *Lang.* 5, *Rbh. L. E.* 130.

Ad saxa montium et alpium: Veltlin, Bormio (Anzi), Stachelberg (Jack), Rigi, Pilatus, Engelberg (Hepp), Felsenegg supra Zug (Hegetschweiler jr.), Urnerboden, Gampeln, Gischen, Oberfeld, Rosstock in ditione Urnensi (Gisler), Salève (Müller), ad muros vinetorum inter Vevay et Villeneuve (Schaerer). *Var. microphyllum* Anzi *Cat.* p. 4 in rupibus terra obtectis: Veltlin et in valle Zebrù (Anzi), in monte Fenera Valsesiae (Baglietto-Carestia).

- 56. C. multipartitum** Sm. *E. Bot.* t. 2582, *Nyl. Syn.* I p. 116, Schaer. *L. H.* 433 p. p., Hepp *Fl. E.* 663, Anzi *Lang.* 7.  
Ad saxa: in agro Bormiensi (Anzi), Waldnacht et Isenthal (Gisler), in monte Fenera et in valle Vogna (Baglietto-Carestia), in monte Salève (Müller).
- 57. C. subtorulosum** Nyl. in *lit.*  
Ad rupes graniticas inundatas prope Riffersweil (Hegetschweiler jr.) et ad ripas fluminis Arve prope Villetta (Rome).  
Thallus pulvinatus, olivaceo-fuscescens, laciniatus laciniis teretibus subtorulosis basi granulose exasperatis, varie divisis, lobis divergentibus. Apothecia nondum visa. Spermogonia adsunt. *C. multipartito* affine.
- 58. C. helveloideum** Ach. *L. U.* p. 641, *Nyl. Syn.* I p. 116.  
Ad saxa calcarea: prope lacum Larium (Garovaglio), St. Bernhard (Schaerer), Reculet (Müller).
- 59. C. tetragonoides** Anzi *An.* p. 6.  
Supra *Tortulam torulosam* demortuam in valle Fraèle 2000 m. rarissimum (Anzi).

#### V. — Collemodium Nyl.

- 60. C. plicatile** (Ach. *L. U.* p. 635, *Nyl. Scand.* p. 30) id. in Lamy *Cat.* p. 5, Hepp *Fl. E.* 920, 86 (*minus*).  
Ad saxa varia praesertim calcarea: Konstanz (Stizenberger), Zürich (Hepp), prope Amsteg (Hegetschweiler), ad lacum Larium (Schaerer, Anzi), prope St. Moritz (Hepp), Riva (Baglietto-Carestia), Neuchâtel (Chaillet), Genf (Müller).
- 61. \* C. fluviatile** (Huds. *Fl. Angl.* p. 534, Ach. *L. U.* p. 636, *Nyl. Syn.* I p. 109).  
Ad saxa humida in monte Rigi (Stizenberger).

(Collemodium)

- 62. C. turgidum** (Ach. *Syn.* p. 313, Nyl. *Syn.* I p. 109)  
id. in Lamy *Cat.* p. 6, Schaer. *L. H.* 433 p. p., Hepp  
*Fl. E.* 215.

Locis apricis ad saxa calcarea et arenaria: Schaffhausen (Schenk), Zürich, Lägern (Hepp), Schwyz (Harz), Altorf (Gisler), Erstfelden, Pilatus (Hegetschweiler), Bern, Gemmi, Valisia inferior, Ragaz (Schaerer), Luziensteig et Chur (Theobald), Engadin et Albula (Schaerer), Como (Anzi), Genf (Müller), in Valsesia (Baglietto-Carestia).

- 63. C. albo-ciliatum** (Desmaz. in *Ann. sc. nat.* 4, IV p. 132, Nyl. *Scand.* p. 35) id. in Lamy *Cat.* p. 6, Anzi *Lang.* 13.

Inter muscos et Jungermannias ad latera umbrosa rupium graniticarum supra aedem D. Bartholomae in valle di Sotto, raro fructiferum (Anzi), sterile prope Gossau (Hegetschweiler jr.).

## VI. — Leptogium Fr.

- 64. L. quadratum** (Lahm in Krb. *Pg.* p. 411, Nyl. *Lapp.* p. 105) id. in Norrl. *Tavast.* p. 170.

Ad corticem *Pyri mali* prope Mettmenstetten (Hegetschweiler jr.) et *Populi pyramidalis* prope Genf (Müller).

- 65. L. tenuissimum** (Dcks. *Crypt.* f. I, 12) Mudd *Man.* p. 46, Nyl. in Norrl. *Kar.* p. 8, *L. spongiosum* Nyl. olim, Schaer. *L. H.* 408, Hepp *Fl. E.* 211, Anzi *Lang.* 412.

Ad terram calcaream supra muscos herbasque exsiccatas: Ütli, St. Moritz (Hepp), circa Bormio (Anzi), Belpberg (Schaerer), circa Neuchâtel (Chaillet).

- 66. L. byssinum** (Hffm. *D. Fl.* II p. 105) Nyl. *Syn.* I p. 120.  
Ad terram prope Ürzlikon (Hegetschweiler jr.).

- 67. L. subtile** (Schrad. *Spic.* p. 95) Nyl. *Syn.* I p. 121, Hepp *Fl. E.* 413.

Ad terram argillaceam prope Zürich (Hepp) et Gossau (Hegetschweiler jr.), ad Salicum vetustarum truncos prope Maschwanden (id.), supra muscos ad terram prope Genf (Müller), ad Juglandum truncos prope Varallo (Baglietto-Carestia).

- 68. L. placodiellum** Nyl. in *Flora* 1865 p. 210, *Syn. Collema leptogioides* Anzi *Etr.* 45.

Ad saxa calcarea montis Fenera socia *Lecanorae calcareae* (Baglietto-Carestia), in monte Salève (Müller).

- 69. L. cretaceum** (Sm. *E. Bot.* t. 738) Nyl. *Prodr.* p. 24, id. *Syn.* I p. 120, Anzi *Lang.* 443.

Ad saxa jurassica prope Como (Anzi) et ad lapides calcareos prope Mettmensstetten (Hegetschweiler jr.).

- 70. L. pusillum** Nyl. *Syn.* I p. 121.

Ad saxa humida in sylvis circa Oltenhausen et Gossau (Hegetschweiler jr.).

- 71. L. minutissimum** (Hepp *Fl. E.* 212) *Mass. Mem.* p. 86, Nyl. in *Lamy Cat.* p. 6, Schaer. *L. H.* 498, Anzi *Lang.* 411, *Erb. critt.* 1243.

Supra muscos prope Zürich, St. Moritz (Hepp), in Veltlin et circa Bormio (Anzi), in monte Pilatus (Hegetschweiler jr.), circa Alagna et Riva (Baglietto-Carestia).

- 72. L. muscicola** (Sw. in *Nov. Act. Ups.* 4 p. 248), *Fr. Scan.* p. 293, Nyl. *Syn.* I p. 134, Schaer. *L. H.* 403, Anzi *Lang.* 12.

Inter muscos ad rupes praesertim graniticas in montanis: Rodolo in Veltlin (Anzi), Petit Salève (Müller).

(Leptogium)

**73. L. bolacinum** (Ach. *Meth.* p. 238) Nyl. in Lamy *Cat.* p. 7.  
In Helvetia mitiore (Schleicher).

**74. L. microphyllum** (Ach. *L. U.* p. 630, Nyl. *Syn.* I p. 113)  
id. in Stzb. *Hyperb.* p. 7, Schaer. *L. H.* 411, Hepp  
*Fl. E.* 214, Anzi *It. sup.* 8 B.

Ad cortices arborum prope vias et urbes: Zürich  
(Hegetschweiler), Zug (Hegetschweiler jr.), Stachel-  
berg (Metzler), Emmenmattschachen (Schaerer),  
Veltlin (Anzi), Genf (Preiswerk).

**75. L. lacerum** (Sw. in *Nov. Act. Ups.* V p. 4) Fr. *Scan.* p. 239,  
Nyl. *Scand.* p. 33, Schaer. *L. H.* 404 p. p., Hepp. *Fl. E.*  
928, Anzi *Lang.* 11.

In muscosis supra terram et rupes et ad radices ar-  
borum, sat alte in montes ascendens.

**76. L. lophaeum** (Ach. *L. U.* p. 651, Nyl. *Syn.* I p. 122),  
Schaer. *L. H.* 407.

Ad terram nudam in sylvis circa Bern et in valle  
Gastern (Schaerer).

**77. \* L. pulvinatum** (Hffm. *D. Fl.* II p. 104) Nyl. in *Flora*  
1878 p. 345, Schaer. *L. H.* 406, Hepp *Fl. E.* 929.

Ad rupes muscosas prope Zürich (Hepp), Chur, Ber-  
gün (Theobald), in fastigio meridiano alpium Rhaeti-  
carum (Anzi), in sylvis circa Bern, in valle Gas-  
tern et in monte Tête noire (Schaerer), Valdobbia  
(Baglietto-Carestia), prope Genf (Müller).

**78. L. sinuatum** (Huds. *Flor. Angl.* p. 506) Nyl. in Lamy  
*Cat.* p. 7, *Syn. L. scotinum* Nyl. *Syn.* I p. 123 p. p.,  
Schaer. *L. H.* 404 (*majus*), 405.

Ad saxa et lapides in muscosis: Schwyz (Harz), Belp-  
berg, Gurnigel, in vallibus Greyerz, Mosses et  
Bedretto, Châtel St. Denis (Schaerer), in meridiano  
fastigio alpium Rhaeticarum (Anzi), Dôle (Müller),

(Leptogium)

circa Riva (Baglietto-Carestia). *F. minus* Nyl. in *lit.* ad terram in fagetis minus densis prope Hausen (Hegetschweiler jr.).

- 79. *L. scotinum*** (Ach. *L. U.* p. 651) Fr. *Scan.* p. 293, Nyl. *Syn.* I p. 123 p. p., Anzi *Lang.* 538.

In alpihus Bormiensibus (Anzi).

- 80. *L. palmatum*** (Huds. *Flor. Angl.* p. 535) Mnt. *Canar.* p. 128, Nyl. *Syn.* I p. 126, Hepp *Fl. E.* 921.

Ad terram calcaream prope Baden (Hepp).

- 81. *L. tremelloides*** (Ach. *L. U.* p. 655) Fr. *Scan.* p. 293, Nyl. *Syn.* I p. 124, Schaer. *L. H.* 409, *Erb. critt.* 1121, Anzi *Lang.* 10.

Supra muscos, terram, saxa et cortices: in montibus Grimsel, Cenere, Salvatore et ad lacum Larium (Schaerer), Veltlin (Anzi) et in valle Intrasca (Baglietto). Var. *cimiciodorum* (Mass. *Mem.* p. 86), *Erb. critt.* 1122 ad Castanearum annosarum truncos in valle Intrasca (Baglietto) et prope Locarno (Daldini). Var. *cyanescens* Ach. *Syn.* p. 326 ad arborum truncos abundans in Helvetia transalpina. Ad *C. tremelloides* teste Nyl. etiam *C. dermatinum* ducendum est.

- 82. *L. myochroum*** (Ehrh. *Pl. cr.* 286) Nyl. in Lamy *Cat.* p. 7, Schaer. *L. H.* 424, 500, Hepp *Fl. E.* 652, Anzi *Lang.* 9, 292, *Erb. critt.* 849, Rbh. *L. E.* 221.

Ad truncos arborum a planitie usque in regionem nivosam ascendens.

- 83. *L. saturninum*** (Sm. in *Transact. Linn. Soc.* I p. 84) Nyl. in *Flora* 1860 p. 545 non id. *Prodr.* p. 26, Schaer. *L. H.* 423, Hepp *Fl. E.* 415, *Schw. Krypt.* 75, Anzi *It. sup.* 2, *Erb. critt.* 428, 1125.

(Leptogium)

Ad truncos arborum e planitie in montes ascendens, coelum mitius praeamans. In ditione Bormiensi ad Fraxinos annosas 1100 m. (Anzi), in monte Salève (Müller), circa Riva, Varallo et in Valsesia superiore (Baglietto-Carestia).

- 84. L. Schraderi** (Bernh. in Schrad. *Journ.* 1799, I p. 22, Nyl. *Alger.* p. 318, id. *Syn.* I p. 133).

Supra terram inter muscos: Maienfeld (Theobald), Genf (Müller).

## VII. — Collemopsis Nyl.

- 85. C. Schaereri** (Mass. *Ric.* p. 114) Nyl. in Norrl. *Kar.* p. 9, Anzi *Lang.* 430.

Ad saxa granitica prope Como, ad saxa calcarea prope Bormio (Anzi), Engelberg (Metzler 1864, Nr. 112) et Riffersweil (Hegetschweiler jr.).

- 86. C. riparia** (Arn. in *Flora* 1859 p. 145) Nyl. in *lit.*

In rupibus dolomitibus supra urbem Varese (Anzi).

- 87. C. caesia** Nyl. in *Flora* 1875 p. 7.

Calcicola prope Mornex in monte Salève (Rome).

- 88. C. murorum** Mass. *Framm.* p. 15 sub *Psorotichia*.

Ad caementum murorum prope Chiavenna (Anzi), Locarno (Baglietto) et ad saxa montis Salève (Müller).

- 89. C. Arnoldiana** (Hepp in *lit.*) Nyl. in *Flora* 1874 p. 305.

Ad saxa calcarea montis Salève rarissima (Müller).

- 90. C. Flotowiana** (Hepp *Fl. E.* 92) Nyl. in *Flora* 1874 p. 305.

Supra rupes erraticas et Nagelfluhe in rivulo Sihl prope Zürich (Hepp).

- 91. C. frustulosa** (Anzi *Lang.* 388, id. in *Comm. critt.* II p. 4) Nyl. in *Flora* 1878 p. 241.

(Collemopsis)

Ad saxa calcarea aprica prope Bormio plerumque sterilis (Anzi).

92. **C. leprosa** (Anzi *An.* p. 5) Nyl. in *lit.*

Ad saxa marmorea humida prope Como (Anzi).

93. **C. cleistocarpa** Müll.-Arg. in *Flora* 1872 p. 506 sub *Psorotichia*.

Ad lapides propter ripas fluminis Dranse prope Bovernier (Müller).

94. **C. (Psoropsis) Rehmica** (Mass. *Misc.* p. 23) Nyl. in *lit.*, Hepp *Fl. E.* 420 (teste Nyl.).

Ad lapides arenaceos in litore lacus Tigurini (Hepp).  
*Psoropsis* Nyl. subgenus *Collemopsidis*.

### VIII. — **Sarcosagium** Mass.

95. **S. biatorem** Mass. in *Flora* 1856 p. 290, Nyl. *Prodr.* p. 117, Anzi *Lang.* 382.

Supra terram (subiculum solitum) nondum repertum.

Ad lignum cembrinum aqua fontis continenter humectatum in pago Trepalle alpium Rhaeticarum (Anzi).

### IX. — **Aphanopsis** Nyl. (n. g.).

96. **A. terrigena** (Ach. *L. U.* p. 181, Nyl. *Scand.* p. 112) id. in *lit.*

Ad terram nudam prope Ürzlikon (Hegetschweiler jr.) et in Valisia (Schleicher teste Ach. l. c.).