Lichenes Oregonenses

in Rocky Mountains, Washington Territory, insula Vancouver et territoriis vicinis Americae occidentalis a cl. Dr. **Julio Roell** anno praeterlapso lecti et a cl. Dr. **Dieck** communicati, quos determinavit Dr. **J. Müller.**

1. **Leptogium corniculatum** Minks in Flora 1873 p. 353, c. ic.; *L. palmatum* Montgn. Canar. p. 128; *Collema corniculatum* Hoffm. D. Fl. p. 105 (1795); *Obryzum corniculatum* Nyl., Körb. (exclusa fructificatione aliena) — Victoria in Vancouver Island, apotheciis, rarissimis, bene ornatum: Röll. n. 47 pr. p.

— — β **barbatum** Müll. Arg.; omnibus partibus accurate simile plantae normali, sed laciniae pro parte marginibus saepissime, saepeque copiose, albo-barbatae. — Haec cilia, usque ad $^3/_4$ mm attingentia, nonnisi in ipso margine et secus marginem in pagina superiore adsunt, sed margines recurvi et saepe subtus conniventes partimque ibidem cohaerentes sunt, unde barba albida obiter inspecta facile subtus medio lineam latam dorsalem mentitur. — Cum speciminibus plantae normalis et similiter fertile, in Vancouver Island: n. 47 pr. p.

2. **Leptogium lacerum** v. **pulvinatum** Nyl. Syn. p. 122 — Coeur d'Alène: n. 1 (ster.).

3. **Collema palmatum** Schaer. Enum. p. 254 (non Ach.), ad terram, Garisson in Rocky-Mountains: n. 9 (ster.).

4. **Sphaerophoron globiferum** DC. Fl. Fr. 2 p. 327; Easton, Wash N.-W.-America, ad cortices: n. 83.

— — β **congestum** Müll. Arg. L. B. n. 1216, s. *Sphaerophoron coralloides* v. *congestum* Lamy Cat. p. 13; Victoria in Vancouver Island: n. 15 (ster.).

— — γ **gracile** Müll. Arg. L. B. n. 704; Weston Cascades: n. 103 (c. fr.), et Kitchelos Lake: n. 102 (ster.).

5. **Siphula ceratites** v. **simplex** Müll. Arg. L. B. n. 1275; ad Cataractas: n. 92 (ster.).

6. **Pilophoron acicularis** Tuck. Suppl. I. p. 427; Cascade Mountains, Oregon, ad saxa: n. 80, 81.

7. **Usnea barbata** v. **florida** Fr. Lich. Europ. p. 18; Vancouver Island: n. 108 (junior, ster.).

8. **Alectoria jubata** v. **prolixa** Ach. Univ. p. 592; Boslyn, Washington Territory: n. 116, Coeur d'Alène: n. 117 (ambae steriles).

— — v. **lanestris** Ach. Univ. p. 594; Mt. Hood, Oregon: n. 40 (ster.).

— — **chalybeiformis** Ach. Univ. p. 593; Mounts Garisson in Rocky. Mountains: n. 114 (ster.).

9. **Alectoria divergens** Nyl. Syn. p. 278 (exclus. spor.); Th. M. Fries Scand. p. 23; Mt. Hood in Oregon, ad terram et ramulos dejectos: n. 111, forma *abbreviata*, vix pollicaris, compacta, fertilis, sporis 8^n, 6 – 9 μ longis et $4^1/_2$—$5^1/_2$ μ latis.

10. **Cornicularia lanata** Ach. Meth. p. 304; Cascade Mountains: n. 112, et Yellowstone: n. 113 (ambae steriles).

11. **Bryopogon sarmentosus** (Körb. Par. p. 5, sub *Alectoria*); Cascade Mountains ad Kitchelos Lake; n. 104 (ster.), et in Mt. Hood: n. 106 (ster.).

— — v. **circinnatus**; *Alectoria ochroleuca* v. *circinnata* Nyl. Syn. p. 282; Easton, Washington Territory: n. 105 cum apothec. — Sporae 28—38 μ longae, 18—23 μ latae, valde pachydermeae, e hyalino intus fuligineo-ingrescentes.

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12. **Cladonia silvatica** Hoffm. D. Fl. p. 114; Yellowstone Park: n. 107 pr. p. (ster.).

— — v. **pumila** Leight. Not. Lich. XI. p. 419; Victoria in Vancouver Island: n. 109 (ster.).

13. **Cladonia alpestris** Rabenh. Clad. eur. p. 11; Yellowstone Park, Wyom: n. 107 pr. p. (ster.).

14. **Cladonia bellidiflora** Schaer. Spicil. p. 21; Easton in Cascade Mountains: n. 87.

15. **Cladonia deformis** v. **subulata** Schaer. Enum. p. 188; Victoria in Vancouver Island: n. 78 (podetia sterilia obtuse subulata, fertilia subindistincte scyphifera).

16. **Cladonia coccifera** Willd. Flor. berol. p. 361; Coeur d'Alène, Idaho: n. 82 pr. p.

17. **Cladonia pleurota** Schaer. Enum. p. 186; Coeur d'Alène, Idaho: n. 82 pr. p.

18. **Cladonia Flörkeana** v. **carcata** Wainio Monogr. Clad. p. 80; ad Hobart: n. 74, 75 pr. p., ad Princeton: n. 67 pr. p.

19. **Cladonia furcata** v. **adspersa** Flörke D. Lich. 198; Easton, Washington Territory: n. 84 pr. p. (ster.).

20. **Cladonia squamosa** β **muricella** Wainio Monogr. Cladon. p. 431; Cascade Mountains: n. 84 pr. p.

21. **Cladonia ochrochlora** Flk. Clad. p. 75; Scattle, Washington Territory: n. 86 pr. p. (ster.).

— — f. *ceratodes* Flk., cum f. *truncata* et f. *odontota* eiusd.; Princeton: n. 76 pr. p., Hobart: n. 67 pr. p. (ster.).

22. **Cladonia gracilis** v. **hybrida** Flk. f. *aspera* Körb. Syst. p. 18; ad Hobart (Ind.); n. 75 pr. p., et prope Chicago: n. 71 pr. p.

23. **Cladonia pyxidata** v. **pocillum** Nyl. Syn. p. 193; Garisson in Rocky Mountains: n. 72 (ster.).

24. **Cladonia fimbriata** v. **conista**; *Cenomyce fimbriata* v. *conista* Ach. Syn. p. 257; Chicago (Illinois): n. 17, et Princeton (Wisconsin): n. 77 (ambae steriles).

— — v. **macra** Flk. Cladon.; Chicago: n. 71 (ster.), et forte Hobart: n. 26 (sine podetiis), Alène: n. 31 (sine podet.), et Astoria: n. 13 (sine podet.).

— — v. **costata** Flk. Clad. p. 66; Vancouver Island: n. 79 pr. p. (ster.).

— — v. **subulata** Schaer. Enum. p. 190; Vancouver Island: n. 79 pr. p. (ster.).

25. **Cladonia mitrula** Tuck. in Darlingt. Fl. Cest. ed. 3 p. 444 et North Amer. Lich. I. p. 239; ad Calumel River, Ind.: n. 73, et in Yellowstone Park: n. 85.

26. **Cladonia botrytes** Hoffm. D. Flor. p. 128; Princeton in Wisconsin Territory: n. 76 pro minima parte.

27. **Ramalina reticulata** Krplh. Gesch. Lich. II. p. 25; Nyl. Recogn. Ram. p. 25; Victoria in Vancouver Island: n. 88, 89 (ambae ster.).

28. **Ramalina farinacea** Ach. Univ. p. 606; corticola in insula Vancouver: n. 90 pr. p. (ster.).

29. **Evernia prunastri** Ach. Univ. p. 442; truncicola in ins. Vancouver: n. 90 pr. p. (ster.).

30. **Evernia vulpina** Ach. Univ. p. 443; Coeur d'Alène: n. 94 (ster.).

— — v. **californica**; *Chlorea vulpina* v. *californica* Nyl. Syn. p. 274; ad cortices *Coniferarum*, Cascade of Boslyn: n. 93 (ster.), Garisson in

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Rocky Mountains: n. 95 (ster.); Yellowstone Park: n. 96, 97, 98 (pro parte pulchre fertilis), Mt. Hood: n. 99, 100 (ster.); Cascade Ellensburgh: n. 101.

31. **Cetraria aculeata** v. **acanthella** Nyl. Syn. p. 300; ad Cataractas: n. 118 pr. p. (ster.)

32. **Cetraria islandica** v. **crispa** Ach. Univ. p. 513; ad Cataractas (Washington Territ.): n. 118 pr. p. (ster.).

33. **Cetraria ciliaris** Ach. Univ. p. 508; Victoria in ins. Vancouver: n. 49 (fert.), et Rigi ad Acalum Lake: n. 91 (ster.), Mt. Hood: n. 25.

34. **Cetraria glauca** Ach. Meth. p. 296; Coeur d'Alène: n. 42; Kitchelos Lake: n. 43; Argyle: n. 35 (omnia sterilia).

35. **Gyrophora Dillenii**; *Umbilicaria Dillenii* Tuck. Syn. p. 72; Coeur d'Alène: n. 68, 69, et Yellowstone Park; n. 70 (omnes ster.).

36. **Gyrophora hyperborea** Ach. Univ. p. 225; Rathdrum prope Coeur d'Alène: n. 66, Mt. Garisson: n. 67.

37. **Gyrophora polyphylla** Fr. Lich. Eur. p. 352; Cascade Mountains ad Ellensburgh: n. 63 (ster.).

38. **Gyrophora flocculosa** Körb. Syst. p. 40; Coeur d'Alène: n. 64 (ster.).

39. **Peltidea aphthosa** Ach. Meth. p. 287; Cascade Mountains: n. 62 pr. p., Victoria in insula Vancouver: n. 95 pr. p., Coeur d'Alène: n. 52 pr. p. (omnes ster.).

40. **Peltidea venosa** Ach. Meth. p. 282; Cascade Mountains: n. 56 (pulchre), Victoria in Vancouver Island: n. 57 (subster.).

41. **Peltigera malacea** Fr. Lich. Eur. p. 44; Cascade Mountains: n. 27, Coeur d'Alène: n. 41 (ster.).

42. **Peltigera rufescens** Hoffm. D. Flor. 2 p. 107; Cascade Mountains: n. 59 pr. p.

— — v. **spuria** Körb. Syst. p. 59; Victoria in Vancouver Island: n. 48; Coeur d'Alène: n. 52, 53; Cascade Mountains: n. 55.

43. **Peltigera limbata** Del. in Lamy Cat. p. 43; Coeur d'Alène: n. 52 pr. p. (ster.).

44. **Solorina crocea** Ach. Univ. p. 149; Rigi in Cascade Mountains: n. 54.

45. **Nephromium lusitanicum** (Schaer.) Leight. Lichenfl. of Gr. Brit. (3) p. 100; Victoria in Vancouver Island: n. 50.

46. **Lobaria scrobiculata** Nyl. in Flora 1877 p. 233; Vancouver Island: n. 62 (ster.).

47. **Lobaria Oregana** Müll. Arg.; *Sticta Oregana* Tuck. in Bull. of the Torrey Botan. Club 1874 p. 20; Cascade Mountains: n. 60.

48. **Lobaria pulmonacea** Nyl. in Flora 1877 p. 233; Vancouver Island: n. 61 (ster.).

49. **Stictina intricata** v. **Thouarsii** Nyl. Syn. p. 335; Victoria in Vancouver Island: n. 61 pro minima parte (ster.).

50. **Stictina crocata** Nyl. Syn. p. 338; Victoria in Vancouver Island: n. 37 (ster.).

51. **Parmelia liliacea** v. **rugosa** Leight. Lichenfl. of Gr. Brit. p. 133; Argyle in regione Chicagoensi: n. 34 (ster.).

52. **Parmelia sulcata** Tayl. in Mack. Flor. Hibern. p. 145; Coeur d'Alène: n. 40, et in insula Vancouver: n. 44 (ambae steriles).

53. **Parmelia saxatilis** Ach. Meth. p. 204; prope Victoriam in ins. Vancouver: n. 46, 28 (ster.), ad Coeur d'Alène: n. 39.

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— — β **aizonia** Del. in Duby Bot. Gall. p. 602; Coeur d'Alène ad Ellensburgh: n. 16 (ster.).

54. **Parmelia centrifuga** Ach. Meth. p. 206; Bathdrum prope Coeur d'Alène: n. 32 pr. p. (ster., mixta cum *P. conspersa* Ach., cujus laciniae planiores et magis flavicantes).

55. **Parmelia conspersa** Ach. Meth. p. 205; Coeur d'Alène: n. 32 pr. p. (ster.).

— — v. **hypoclysta** Nyl. Syn. p. 391; Victoria in Vancouver Island: n. 45.

— — v. **stenophylla** Ach. Meth. p. 206; Garisson in Rocky Mountains: n. 33 (ster.), Coeur d'Alène (sine n°.).

56. **Parmelia sorediata** Nyl. in Lamy Cat. p. 35; Garisson (sine n°.).

57. **Theloschistes parietinus** f. **virescens**; *Physcia parietina* f. *virescens* Wedd. Nouv. Rev. Lich. Blossac p. 10; prope Chicago: n. 18 pr. p.

58. **Theloschistes controversus** v. **lychneus** (Ach.) Müll. Arg. Lich. Spegazz. n. 43; Yellowstone Park: n. 19 pr. p.

— — v. **laciniosus** (Schaer.) Müll. Arg. L. B. n. 1153; Yellowstone Park: n. 19 pr. p.

— — v. **pygmaeus**; *Xanthoria controversa* v. *pygmaea* Körb. Par. p. 38; Th. M. Fries Arct. p. 68; prope Victoriam in Vancouver Island: n. 21.

59. **Physcia pulverulenta** v. **muscigena** Nyl. Syn. p. 420; Garisson in Rocky Mountains: n. 30 pr. p. (ster.).

60. **Physcia obscura** Nyl. Syn. p. 427; Chicago: n. 18 pr. p.

61. **Psoroma hypnorum** Nyl. Scand. p. 121; Yellowstone Park (sine n°.).

62. **Amphiloma elegans** β **discretum** Körb. Par. p. 48; Garisson (sine n°.).

63. **Amphiloma murorum** v. **pulvinatum**; *Physcia murorum* v. *pulvinatum* Mass. Syn. Lich. blasten. p. 13; Yellowstone Park: n. 20 (fragmentula).

64. **Placodium circinnatum** Nyl. Prodr. p. 72; Garisson (sine n°.).

65. **Placodium saxicolum** Körb. Syst. p. 115; Garisson (sine n°.).

— — v. **albo-pulverulentum** (Schaer.) Körb. Par. p. 54; Garisson (sine n°.).

66. **Psora rubiformis** Th. M. Fries Arct. p. 169; Helena in Rocky Mountains: n. 22.

67. **Psora globifera** Mass. Ric. p. 91; Yellowstone Park: n. 24.

68. **Psora lurida** Mass. Ric. p. 90; Garisson in Rocky Mountains: n. 23 (ster.).

69. **Psora atro-rufa** (Dicks.) Th. M. Fries Lich. Arct. p. 171; Rigi in Cascade Mountains: n. 3.

70. **Callopisma subsimile**; *Caloplaca subsimilis* Th. M. Fries Scand. p. 189; Garisson: n. 12.

71. **Callopisma aurantiacum** v. **salicinum** Mass. Syn. Blasten. p. 11; in territorio Dacota ad Bismark: n. 4.

72. **Lecanora frustulosa** Nyl. Scand. p. 165; Coeur d'Alène (sine n°.).

73. **Lecanora verrucosa** Nyl. Scand. p. 156; Garisson: n. 11.

74. **Lecanora pallescens** v. **upsaliensis** Schaer. Enum. p. 79; Garisson: n. 10.

75. **Lecanora cinerea** v. **obscurata** Nyl. Scand. p. 153; Coeur d'Alène (sine n°.).

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76. **Rinodina exigua** Mass. Ric. p. 15; Yellowstone Park: n. 19 pr. p.
77. **Rhizocarpon petraeum** Körb. Syst. p. 260; Coeur d'Alène (sine n°).
— — v. **grande** Körb. Syst. p. 260; Coeur d'Alène (sine n°).
78. **Rhizocarpon geographicum** v. **atrovirens** Körb. Syst. p. 263; Coeur d'Alène (sine n°).
— — v. **alpicolum** Mass. Ric. p. 101; Kitchelos Lake (sine n°).
79. **Dermatocarpon Mühlenbergii** (Ach.) Müll. Arg. Pyrenoc. cubens. p. 377; Ellensburgh in Washington Territory: n. 63.
80. **Endopyrenium hepaticum β pallidum**; *E. pusillum β pallidum* Körb. Syst. p. 324; Garisson in Rocky Mountains: n. 30 pr. p.
81. **Staurothele clopima**; *Stigmatomma clopimum* Körb. Syst. p. 339; Garisson (sine n°.).

Neuseeländische Lichenen in allgemeiner zugänglichen Exsiccatenwerken.

Nachdem die Flechtenvegetation von Neuseeland durch Nylanders Lichenes Novae Zelandiae eine hervorragende Bearbeitung gefunden, wird es den Lichenologen angenehm sein, anhangsweise zu diesem Buche eine Zusammenstellung der in den Exsiccaten von Arnold und v. Zwackh, sowie der in der Lichenotheca universalis von Lojka erschienenen hierher gehörigen Pflanzen unter Hinweisung auf Nylanders Werk zu erhalten, mit dem gelegentlichen Bemerken, dass sich im Herbarium Lojka noch eine grössere Anzahl von Knight und von Helms auf Neuseeland gesammelter und von Nylander bestimmter Lichenen befindet, welche möglicherweise dereinst auch einmal vertheilt wird, wenn das Hb. Lojka wiederum einen sachverständigen Eigenthümer gefunden hat.

Folgendes ist nun die in Rede stehende Liste:

1. *Sphaerophoron stereocauloides* Nyl. Nov. Zel. p. 12. — Arn. 1210.
2. *Stereocaulon proximum* Nyl. Nov. Zel. p. 16. — Arn. 1209.
3. *Parmelia perlata* (L.), Nyl. Nov. Zel. p. 24. — Lojka 111.
4. *Sticta subcaperata* Nyl. Nov. Zel. p. 31. — Lojka 116.
5. *Sticta Urvillei* var. *flavicans* Hook., Nyl. Nov. Zel. p. 35. — Arn. 1200.
6. *Sticta orygmaea* Ach., Nyl. Nov. Zel. p. 35. — Lojka 117, Arn. 1214.
7. *Sticta glaucolurida* Nyl. Nov. Zel. p. 36. — Arn. 1199.
8. *Sticta multifida* Laur., Nyl. Nov. Zel. p. 37. — Lojka 118, Arn. 1198.
9. *Sticta fossulata* Duf., Nyl. Nov. Zel. p. 37. — Lojka 119, Arn. 1215.
10. *Sticta physciospora* Nyl. Nov. Zel. p. 38. — Lojka 120.
11. *Sticta Freycineti* Del., Nyl. Nov. Zel. p. 39. — Lojka 121.
12. *Sticta amphisticta* Knight, Nyl. Nov. Zel. p. 40. — Lojka 115, Zw. 892.
13. *Ricasolia adscripta* Nyl. Nov. Zel. p. 41. — Lojka 113.
14. *Ricasolia Montagnei* (Bab.), Nyl. Nov. Zel. p. 41. — Lojka 114.
15. *Psoroma araneosum* (Bab.), Nyl. Nov. Zel. p. 53. — Lojka 123.
16. *Placopsis perrugosa* Nyl. Nov. Zel. p. 57. — Lojka 126.
17. »*Lecanora argillacea*« Knight in Trans. Linn. Soc. March 1877, p. 282, T. XXXVIII, F. 14, eine unwesentliche Form von *Placopsis rhodomma* Nyl. in litt. ad Knight 1867 (sporis 0,016—19 longis, 0.010—12 crassis, thallo K (CaCl) intense rubescente) Nyl. Nov. Zel. p. 56. — Lojka 127.
18. *Phlyctella neozelandica* Nyl. Nov. Zel. p. 72. — Lojka 131—133.
19. *Lecidea marginiflexa* Tayl., Nyl. Nov. Zel. p. 87. — Lojka 139, Arn. 1240.

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