

LICHENES SIPEANI EX OREGON.

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Von Herrn Prof. F. P. SIPE (Corvallis, Oregon) habe ich die unten enumerierten Flechten bekommen. Er hat sie selbst gesammelt. Die Exemplare wurden im Herbar des Botanischen Museums zu Budapest aufbewahrt. Nach den angegebenen Nummern habe ich die Resultate der Revision Herrn SIPE mitgeteilt, der die Kotypen dieser Exemplare besitzt. Diese Abhandlung ist die Fortsetzung meiner „Some lichens of Oregon“ (in: Mycologia, XXIV, 1932, p. 342—344).

1. *Sphaerophorus globosus* (*Lichen globosus* HUDS., Fl. Anglica, 1762, p. 466) VAIN. in: Résult Voyage S. Y. Belgica, Bot., 1903, p. 35. — Medulla J + coerulea. — On trees, Marys Peak, Benteb Co. (685).

2. *Pannaria leucosticta* TUCK. apud NYL. in: Annal. Sc. Nat., Bot. sér., 4, vol. XII, 1859, p. 294. — Gonidia thalli globosa, 5—7 mikr. magna, coeruleo-viridia, in coloniis disposita. Epithecium apothecii rufescens. Hypothecium luteolo-hyalinum. Hymenium hyalinum. 105—125 mikr. crassum, J + cyaneum deindeque rufescens. Paraphyses liberae, hyalinae, 2—3 mikr. crassae. Sporae in ascis octonae, monoblastae, hyalinae, ellipsoideae, 8—9 : 17—18 mikr. magnae. — On alder, near Mt. Hood (603).

3. *Parmeliella lepidiota* (*Lecidea carnosa* v. *lepidiota* SOMMERF., Suppl. Fl. Lapp., 1826, p. 174) VAIN. in: Természetr. Füz., XXII, 1899, p. 308. — Hymenium J + cyaneum deindeque rufescens. Sporae 8—9 : 17—19 mikr. magnae. — In den Sporen ist meist ein größerer neben mehreren kleinen Öltropfen vorhanden. — On trees, Mt. Hood (687).

4. *Lobaria oregana* (*Sticta oregana* TUCK. in: Bull. Torr. Bot. Club, V, 1874, p. 20) MÜLL. ARG. in: Flora, LXXII, 1889, p. 364. — Similis Lobariae pulmonariae (L.) Hoffm. sed thallus versus centrum viridescens, ad marginem lacero-lacinulatus, esorediosus, etc. Thallus superne versus centrum viridescens, versus peripheriam olivaceo-fuscus, levis, lacunosus, esorediosus, in partibus viridescens C —, K + lente flavus, KC + citrinus intensivus, subtus bullatus, versus centrum fuscescens, versus peripheriam pallidus, supra bullas glaber, inter bullas tomentosus, pilis tomenti in centro thalli fusciscentibus,

versus marginem pallidis. Medulla alba, C —, KC —, K+ citrina. Sterilis. — On trees, Marys Peak (585).

5. *Nephroma Servitianum* GYEL. in: Annal. Crypt. Exot., IV, 1931, p. 139; *Nephromium Servitianum* GYEL. in sched. — Old apple trees, Corvallis (664).

6. *Nephroma tropicum* (MÜLL.ARG.) ZAHLBR.

var. *mixtoides* GYEL. in: Annal. Crypt. exot., IV, 1931, p. 126; *Nephromium tropicum* v. *mixtoides* GYEL. in sched. — On apple trees, Corvallis (668). — On trees, old orchard, Corvallis (666). — On branches of trees, Breitenbush (575).

7. *Nephroma resupinatum* (*Lichen resupinatus* L. Spec. Plant., 1753, p. 1148). ACH. Lich. Univ., 1810, p. 522.

var. *helvum* MASS. Sched. Crit., III, 1856, p. 57; *Ornatinephroma resupinatum* var. *helvum* GYEL. in schedis. — On trees, Corvallis (601).

f. *epitomentosum* GYELNIK n. f. — Thallus superne pro maxima parte (non solum in dorso apotheciorum) tomentellus vel pubescens. In ceteris ut in var. *helvo* MASS. — On apple trees, Corvallis (668, Typus). — On old apple trees, Corvallis (663).

f. *inaequalis* GYEL. in: Mycologia, XXIV, 1932, p. 343; *Ornatinephroma resupinatum* f. *inaequale* GYEL. in sched. — On trees, Prospect (631).

var. *helveticum* (*Nephroma helveticum* ACH., Lich. Univ., 1810, p. 523) RABENH., Deutschl. Krypt. Fl., II, 1845, p. 68; *Ornatinephroma resupinatum* var. *helveticum* GYEL. in sched. — On maple, etc. Prospect (638).

8. *Peltigera variolosa* (*Peltigera aphthosa* f. *variolosa* MASS., Sched. Crit., III, 1856, p. 64) GYEL. in: Magy. Bot. Lap., 1926, p. 252.

var. *leucophlebia* (*Peltigera aphthosa* v. *leucophlebia* NYL. Syn. Lich., vol. I, 1860, p. 323) GYEL. in: Lichenotheca, fasc. 1, 1933, no. 8; *Chloropeltigera variolosa* v. *leucophlebia* GYEL. in sched. — On mossy soil, Rouge River, Union Creek (637). — On duff revered soil, Breitenbush (578).

9. *Peltigera aphthosa* (*Lichen aphthosus* L., Spec. Plant., 1753, p. 1148) WILLD., Fl. Berolinens., 1787, p. 347; *Chloropeltigera aphthosa* GYEL. in sched. — On rocks along Rogue River, Union Creek (678). — On rocks, Rogue River (634).

10. *Peltigera canina* (*Lichen caninus* L., Spec. Plant., 1753, p. 1149) WILLD., Fl. Berol. Prodr., 1787, p. 347.

var. *cinerea* (*Lichen caninus*, *cinereus* WEIS., Pl. Crypt. Fl.)

Goett., 1770, p. 78) GYELNIK n. comb. — Forma typica. — On tree trunks, on coast Waldport (625 p. p.).

f. *spongiosa* TUCK., Syn. North. Amer. Lich. I, 1882, p. 109. — On rocks along Rogue River (646).

11. *Peltigera dolichorrhiza* (*Peltigera canina* v. *dolichorrhiza* NYL., Syn. Lich., I, 1860, p. 327). NYL., Lich. Nov. Zeland., 1888, p. 43. — On beggy soil, along coast Waldport (626).

f. *submicrocarpa* GYEL. in manuscr. — Thallus digitatus. — On trees, along coast Waldport (627, p.p.)

12. *Peltigera membranacea* (*Peltigera canina* v. *membranacea* ACH., Lich. Univ., 1810, p. 518). NYL. in Bull. Soc. Linn. Norm., ser. 4, vol. I, 1884, p. 74.

var. *Szatalae* (*Peltigera Szatalae* GYEL. in: Magy. Bot. Lap., 1926, p. 254) GYEL., l. c., 1930, p. 54. — On trees, along coast Waldport (627, p.p.). — On tree trunks, on coast Waldport (625, p.p.).

13. *Peltigera Plittii* GYEL. in: Nyt. Magaz. for Naturvidenskab., LXVIII, 1930, p. 270.

var. *macrolobata* GYEL. in: FEDDE, Repert. XXIV, 1931, p. p. — On soil, Union Creek (589).

14. *Peltigera scutata* (*Lichen scutatus* DICKS., Fasc. Pl. crypt. Brit., III, 1793, p. 18) DUBY, Bot. Gall., II, 1830, p. 599.

var. *collina* (*Lichen collinus* ACH., Lich. Suec. Prodr., 1798, p. 162) GYEL. in: Magy. Bot. Lap., 1930, p. 50. — On trees, Corvallis (662). — On old apple trees, Corvallis (670).

15. *Cladonia Sipeana* GYELNIK n. sp. — Similis *Cladoniae macilentae* HOFFM. sed thallus primarius superne K + demum violaceus, etc. — Thallus primarius superne K + demum violaceus, subtus K + flavus demum auriantiacus. Podetia extus K + flava, intus fusca. K + violascentia. Thallus primarius 4—7 mm longus, palmato-ramosus, ramis ca. 0.5—1 mm latis, superne viridis, subtus albus, sorediosus. Podetia pallido-viridescencia vel pallido-fuscescentia, omnino corticata, 10—18 mm longa, vulgo 1—1.5 mm crassa, squamis minutis, vulgo 0—0.5 mm magnis instructa, ascypha. Apothecia coccinea. Epithecium rubro-badium. Hypothecium flavescens. Hymenium J + cyaneum, 40—45 mikr. crassum, hyalinum, in partibus superioribus plerumque rubescens. Sporae 4—5 : 9—11 mikr. magnae, hyalinae, monoblastae, ellipsoideae, saepe minus curvatae. Species autonoma?

Primaere Lagerschuppen auf der Unterseite auf Kali nach zwei Tagen rotbraun. Podetien auf Kali nach zwei Tagen braun. Sporenhalt meist mit einem Öltropfen. — Die Art hat ihren Namen zu Ehren des Sammlers erhalten.

Rotting log, Coburg Hills (690. Typus).

16. *Cladonia pseudosipeana* GYELNIK n. sp. A *Cladonia Sipeana* GYEL. differt podetiis intus albis et K —. Thallus primarius superne K + demum violaceus. Podetia extus K + flava pulchra, intus albidia, K —. Thallus primarius 4—5 mm longus, palmato-ramosus, ramis ca. 0.5—1 mm latis, superne viridibus, subtus albidus, pulverulentus. Podetia pallido-viridescencia, versus bases plerumque fuscescentia, omnino corticata, 10—12 m longa, 1.5—3 mm crassa, in partibus inferioribus squamis (thallis primariis similibus) in partibus superioribus granulis corticatis instructa, versus apices squamis granulisque deficientibus, ascypha. Apothecia coccinea. Epithecium rubro-badium. Hypothecium flavescens. Hymenium hyalinum, in partibus superioribus rubescens, 50—75 mikr. crassum, J + coeruleum. Sporae hyalinae, monoblastae, ellipsoideae, 3.5—4.5 : 10—13 mikr. magnae. Species autonoma?

On logs, Coburg Hills (689. Typus).

17. *Parmelia enteromorpha* ACH., Meth. Lich., 1803, p. 252; *Menegazzia enteromorpha* GYEL. in sched. — On twigs of oak, etc. Eagle Point (642).

18. *Parmelia duplicata* (*Lichen duplicatus* SM. apud ACH., Meth. Lich., 1803, p. 252). ACH., Meth. Lich., 1803, p. 252.

var. *douglasicola* GYELNIK n. var.; *Menegazzia vittata* var. *douglasicola* GYEL. in sched. — Thallus superne glaucus ut in *Parmelia physode* var. *glaucoide* GYEL. in *Folia Crypt.*, vol. I, no. 6, 1926, p. 390. — On Douglas bir, Corvallis (657).

19. *Parmelia oregana* GYELNIK n. sp.; *Menegazzia oregana* GYEL. in sched. — Similis *Parmeliae physodi* (L.) ACH. sed thallus nigromarginatus ut in *Parmelia duplicata* (SM.) ACH. — A *Parmelia duplicata* differt thallo placodiiformi et subtus non perforato, etc. Sterilis. Species autonoma? — On board fence, near Corvallis (656. Typus). — On old apple trees, Corvallis (658).

20. *Parmelia coilocarpa* VAIN., in: *Annal. Soc. Zool.-bot. Fennic.*, I, no. 3, 1921, p. 40; *Menegazzia coilocarpa* GYEL. in sched. — On limbs, Crater Lake (674).

21. *Parmelia tubulosa* (*Parmelia ceratophylla* var. *tubulosa* SCHAER., *Lich. Helv. Spic. sect. 10*, 1840, p. 459). BITTER in: *Hedwigia*, XL, 1901, p. 179; *Menegazzia tubulosa* GYEL. in sched. — On tree trunk, Campus, Oregon State College (695).

22. *Parmelia Sipeana* GYELNIK n. sp.; *Menegazzia Sipeana* GYEL. in sched. — A *Parmelia pertusa* (SCHRANK.) SCHAER. differt soreidiis labrosis ut in *Parmelia physodi* (L.) ACH. Sterilis. — Die Pflanze hat

ihren Namen zu Ehren des Sammlers Prof. F. P. SIPE (jetzt Eugene in Oregon) erhalten. — On alder, Aisea River (588. Typus).

23. *Parmelia rosaeformis* (*Parmelia saxatilis* var. *rosaeformis* ACH., Lich. Univ., 1810, p. 470) GYEL. in: Folia Crypt., vol. I, no. 6, 1928, p. 501. — On old trees, Corvallis (659). — On trees, College Campus (692).

24. *Parmelia pseudosulcata* GYELNIK n. sp. — Thallus lobatus, lobis elongatis, substrato adpressis, 1—2(—5) mm latis, subdichotomiter ramosis, superne albidus vel glaucescenti-albidus. K + flavus, versus periphaeriam thalli glaucus, ad marginem partimque superne sorediosus, sorediis isidialibus, isidiis sorediorum subtilibus, thallo concoloribus vel minus fuscescentibus, subtus niger, dense nigro-rhizinosus. Medulla alba, K + flava, C —, KC —. Sterilis. — Subsimilis *Parmeliae rosaeformi* (ACH.) GYEL. sed soredia isidialia, medulla K + flava, etc. — On trees, Marys Peak (684. Typus).

25. *Parmelia sphaerosporella* MÜLL. ARG. in: Flora, 1891, p. 378 (sec. typo). — Thallus lobatus, lobis elongato-rotundatis, minus nigromarginatis, ad marginem integris vel plus minusve grosse crispis, minus imbricatis, superne rugosus, viridis, K —, C —, KC + flavus, subtus albidus, versus periphaeriam olivaceo-fuscus, levis, versus periphaeriam rugosus, rhizinosus, rhizinis albidis vel pallidis, versus periphaeriam thalli nigris, in zonis periphaericis erhizinosus. Medulla alba, K —, C —, KC —. Apothecia superficialia, sessilia, rotundata, diameter vulgo 2—4 mm, subtus erhizinosa, thallo concoloria, levia. Margo thallinus thallo concolor, integer vel minus crenatus. Gonidia viridia, globosa, 12—18 mikr. magna. Isidia, soredia, cyphellae et pseudocyphellae desunt. Similis *Parmeliae caperatae* (L.) ACH. sed esorediosa et reactiones alii, etc.

Die Apothezienscheiben sind meist grün, nur an wenigen Apothezien sind sie schwach bräunlich. Die Apothezien sind also unreif, deshalb konnten weder entwickelte Hymenien noch reife Sporen gesehen werden. — On trees, Crater Lake (677).

26. *Nephromopsis platyphylla* (*Cetraria platyphylla* TUCK., Syn. North Amer. Lich., I, 1882, p. 34) HERRE in: Proceed. Washingt. Acad. Sc., XII, 1910, p. 210; *Tuckermannopsis platyphylla* GYEL. in sched. — On limbs near Crater Lake (635).

27. *Coelocaulon cetrariza* (*Alectoria cetrariza* NYL. in: Bull. Soc. Linn. Norm., sér. 4, vol. I, 1887, p. 270) GYELNIK n. comb. — Thallus erectus, fruticosus, nigro-fuscescens, opacus, ramosus, ramis sat planis, 0.25—1 mm latis, levibus, esorediosus, non isidiosus, K — C —, KC —, vulgo 5 mm longus. Apothecia lateralialia (vel terminalialia

et calcarata?), nigrescentia, ad margines nigro-ciliata. Medulla alba, J —. Hyphae medullares hyalinae, 4—5 mikr. crassae, J + sordide flavescentes. Gonidia viridia, globosa, 8—13 mikr. magna, J + rufescentia. Epithecium fusco-viride. Hypothecium incoloratum. Hymenium 33—38 mikr. crassum, hyalinum, in partibus superioribus plerumque viridescens, J + coeruleum. Sporae monoblastae, 4—5 : 8—9 mikr. magnae, ellipsoideae, hyalinae. — On limbs, Crater Lake (675).

28. *Alectoria lanestris* (*Alectoria jubata* var. *lanestris*. ACH., Lich. Univ., 1810, p. 595) GYEL. in: Nyt. Magaz. f. Naturvidenskab., LXX, 1932, p. 58.

var. *Achariana* (*Alectoria Achariana* GYEL., l. c., p. 54) GYELNIK n. comb. — On trees, Crater Lake (682).

29. *Alectoria pseudofuscescens* GYELNIK n. sp. — Thallus pendulus, 20 cm longus, omnino pallido-fuscescens et fuscus, K + flavus. KC —, C —, sorediis deficientibus, pseudocyphellis nullis, cylindricus, capillaris. Sterilis. — Similis *Alectoriae* Haynaldii GYEL. sed thallus fuscescens vel fuscus. — On old apple trees, Corvallis (669. Typus).

30. *Alectoria Vrangiana* GYEL. in: Magy. Bot. Lap., XXXI, 1932, p. 46. — Thallus K —, KC —, C —. — On old apple trees, Corvallis (661).

31. *Alectoria sarmentosa* (*Lichen sarmentosus* ACH. apud LILJEB., Utkast Svensk Flora, 1792, p. 427) ACH., Lich. Univ., 1810, p. 595, tab. XIII, fig. 2.

var. *dichotoma* (*Usnea dichotoma* HOFFM., Deutschl. Fl., 1796, p. 134. sec. descr.) GYELNIK n. comb.; *Eualectoria sarmentosa* v. *dichotoma* GYEL. in sched. — Apothecia subtus levia. — On trees, Breitenbush, Marion Co. (585).

var. *hypocyphellata* GYEL. in manuscr.; *Eualectoria sarmentosa* var. *hypocyphellata* GYEL. in sched. — On limbs, Crater Lake (680).

32. *Alectoria tortuosa* MERR. in: The Bryologist, XII, 1909, p. 5; *Eualectoria tortuosa* GYEL. in sched. — On twigs, Eagle Point (640).

33. *Gasparrinia elegans* (*Lichen elegans* LINK., Annal. d. Naturgesch., 1. Stück, 1791, p. 37) STEIN apud COHN, Krypt. Fl. Schles., II, 2. Hälfte, 1879, p. 103. — Thallus K + violaceus. Gonidia globosa, viridia, 9—13 mikr. magna. Epithecium luteolo-viride. Hypothecium incoloratum. Hymenium hyalinum, 40—50 mikr. crassum, J + violaceum. Sporae in ascis octonae, polari-diblastae, hyalinae, ellipsoideae, isthmicolae, 6—7 : 12—13 mikr. magnae. — On rocks, Crater Lake (560).

34. *Xanthoria oregana* GYELNIK n. sp. — Similis *Xanthoriae candelariae* (L.) KICKX. sed thallus rosulas perfectas maioresque formans, lobi latiores. — Habitu omnino similis *Xanthoriae parietinae* (L.) BELTRAM. sed thallus ad marginem granuloso-sorediosus. — Lager citronengelb, K färbt violett. Lappen am Rande gekerbt, zerschlitzt, sich berührend oder dachziegelig. Steril. — On maple, Corvallis (654. Typus).

35. *Xanthoria polycarpa* (*Lobaria polycarpa* HOFFM., Deutschl. Fl., 1796, p. 159) OLIV. in: *Revue de Bot.*, XII, 1894, p. 96. — On various trees, Corvallis (681).
