

Catalogue of the lichens of the Falkland Islands

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In anticipation of future work on the lichens of the Falkland Islands I have begun by compiling a list of the lichen taxa previously reported from the Falkland Islands. This catalogue includes only the two large islands (East Falkland and West Falkland) and the nearby small islands but not other island groups, such as the South Orkneys, which are included in the Dependencies of the Falkland Islands. Although a partial attempt at such a catalogue was published by Zahlbruckner (1917), he cited no literature to substantiate the taxa listed and his purpose was to list only taxonomically correct names instead of all names published, as does this catalogue.

This catalogue is the same type as my previous one for Tasmania (Wetmore, 1963). The purposes of this catalogue are primarily bibliographic rather than taxonomic and I attempt to accomplish the following: (1), to list all of the lichen names reported from the Falkland Islands in the literature together with the authors who reported them, (2), ^{*to bring together in one place all references to Falkland lichens, and*} (3), _{*to bring*} together all known collector's names and the places where their lichens might be found.

This catalogue lists 239 specific and 52 infraspecific names in 52 genera. Of these, 78 taxa were described from material collected on the Falkland Islands and are preceded by asterisks (*). Nine more species are nomina nuda and one is listed as unknown and doubtful. All names have been included, even though they have been considered obvious synonyms. In all cases complete nomenclatural citations have been listed and I have checked all of these citations with the original publications unless noted otherwise. The citations are followed by references, in

chronological order, to the papers reporting the taxa from the Falklands. In the list of these references Zahlbruckner's Catalogus Lichenum Universalis (1922-40) has not been included unless it is the only report. An annotated bibliography of Falkland Island lichenology is included at the end of the paper.

The arrangement of taxa into genera (and in most cases the rank of the taxa) follows Zahlbruckner (1922-40) and the arrangement of genera and families follows Zahlbruckner (1926). Exceptions are the recognition of the Stereocaulaceae after Lamb (Canadian Jour. Bot., 29(5): 522-584. 1951), Baeomycetaceae after Räsänen (Acta Bot. Fenn., 33: 1-82. 1943). The Phyllopsoraceae has been included in the Lecideaceae and Candelariaceae is recognized as a distinct family. The Physciaceae and Teloschistaceae are used in their widest sense as recommended by Nannfeldt (Nova Reg. Soc. Sci. Ups., IV. 8 (2): 64-65. 1932), Hypogymnia and Menegazzia in the Parmeliaceae are recognized as distinct genera as well as Pseudocypbellaria in the Stictaceae and Neuropogon in the Usneaceae.

When names have been moved to genera where the combination has not been previously made, the generic name is included in parentheses. No new combinations are intended in this paper because some of them would be unnecessary and nomenclatural changes should follow, not precede taxonomic study.

In a few cases presumed typographical or orthographical errors have been noted and these are cross referenced in the catalogue. One name could not be located either in Zahlbruckner (1922-40) or Lamb (1963) and it could not be determined where it belongs in the classification of lichens and it has been listed at the end of the main listings in a separate list along with the nomina nuda.

In the preparation of this catalogue I have attempted to make it as complete as possible but errors may have crept in and I would appreciate any corrections or additions noted.

Historical

The Falkland Islands were discovered either in 1520 by Gomez (Portuguese) or in 1592 by Davis (English), which is part of the dispute on whether the Falklands belong to Argentina or Great Britain. Several voyages touched the Falklands in the next two centuries but apparently the first botanical explorations began in 1767-8 with Commerson, as a naturalist on the expedition by Bougainville in the ships La Boudeuse and L'Etoile. Captain Cook's second voyage (1772-75) with Forster and Sparrman as collectors stopped at the Falklands. The first major botanical exploration was done by Gaudichaud as collector with Freycinet's voyage (1817-20) with the ships Uranie and Physicienne. The lichens were identified by Bory and Persoon and included in the reports published by Mirbel (1825) and Gaudichaud (1826). The ship La Coquille under the command of Duperry made a voyage from 1822 to 1825 which stopped at the Falklands and had Dumont D'Urville and Lesson as collectors. The lichens were identified by Bory and listed by Dumont D'Urville (1825). Charles Darwin visited the Falklands in 1834 on his voyage around the world with Captain Fitz Roy commanding the Adventure and Beagle and collected some lichens but no list was ever published. The voyage of the Erebus and Terror during 1839-43 under the command of Ross with J. D. Hooker brought back many lichens from the Falkland Islands. These were first identified by Taylor and a preliminary report was published by Hooker and Taylor (1844) mentioning some Falkland lichens. The lichen identifications were revised by Babbington and his names are ^{used} in Hooker's report of this part of the voyage (Hooker, 1845-47) listing the lichens collected. Crombie (1877) identified and published records

of some lichens collected by Cunningham during the voyage of the Nassau, 1867-69. On the expedition by Nordenskjold, 1901-03, in the ship Antarctic, Skottsberg collected lichens on the Falklands which were identified and enumerated by Darbishire (1912). Cotton (1915) repeats Darbishire's list and adds a few new records. Skottsberg visited the Falklands again between 1907-09 and collected lichens which were identified and published by Zahlbruckner (1917). In Skottsberg's excellent botanical survey of the Falklands (Skottsberg, 1913) he uses the identifications of Darbishire. Appended to Zahlbruckner's paper (1917) is a list of the accepted lichen species known from the Falkland Islands, but without references as to whose reports the records were based. A few lichens collected in the Falklands by Lamb between 1931 and 1937^{and 1944 and 1946} are included in his first report on the lichens of the Discovery II expeditions. He has many more Falkland lichens which he collected ^{in these years and also 1944 and 1946} which have not yet been reported (personal communication).

Various other collectors have spent some time on the Falklands and collected lichens outside of their main duties. One of the early collectors, Lechler, published an exsiccate of ~~the~~ Falkland lichens (edited by Hohenacker) - Plantae Insularum Maclovianarum, however, I have not seen any of this set and so could not include this reference among the references cited after the taxa. Mrs. Eleanor Vallentin, a native of the Falkland Islands, collected some lichens which have been included in various papers. For a more complete listing of persons who have collected plants (and especially lichens) on the Falklands and the herbaria where their plant collections are preserved, see table 1. In most cases no organized reports (other than those mentioned above) ^{dealing mainly with Falkland lichens} have been published concerning these miscellaneous collections. Occasional specimens are mentioned in scattered revisions and monographs and it seems fruitless to ~~list~~ list every publication which mentions each collector in this table. Where known, the dates the collector spent on

the Falkland Islands are listed. The abbreviations of β herbaria follow
Lanjouw and Stafleu, Index Herbariorum, Part 1, Herbaria of the World
(Regnum Vegetabile 31, ed. 5. 1964).

Table 1. Collectors of Falkland Lichens

Name	Dates on Falklands	Herbaria
XXXXXXXX		(orig.)
* Babington, Churchill	?	BM, CGE, K
Birger, Selim	1904	A, B, LD, S (orig.), UPS
Black, (Capt.)	?	K
Butter,	1913	Bouly de Lesdain
Coleman, D	?	W
Commerson, Philibert	1767-69	B, BM, FI, G, L, LINN, MO, MPU, NY, P (orig.), S, W
Cunningham, Robert Oliver	1868	B, BP, C, FI, GH, K, L, S
Darwin, Charles Robert	1832 + 34	CGE, K, MANCH, MO, P, TOD
Dumont D'Urville, Jules Sébastien César	1825	B, CN (orig.), G, P, W
? Dusen, Per Karl, Hjalmer	?	
Edmonstone, Thomas Biot	1837-45	K
Eichler,	1920	W
Firmin, (Miss) L. H.	1895-96	K
Forster, Johan Reinhold	(1772-75)	B, BM, IAC, K, KIEL, LINN, LIV, LZ, MO, P, W, WELT
Gaudichaud-Beaupré, Charles	1820	G, H, P (orig.), UPS
Hamilton,	1925	Bouly de Lesdain
* Hohenacker, Rudolph Friedrich	1850	S
Hooker, Joseph Dalton	1842 1844	Orig. K, RM also BM, FH, duplicates widely distributed
Howkins,	1945	?
? King, (Capt.) Philip Parker	1834	BM
Lamb, Ivan Mackenzie	1944, 1946	BM, MVM #
Lechler, W.	1850, 1854	B, G, K, L, S
Lesson,	?	L, P

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Linney, M. A.	?	K
Lyall, Dr. David	1842	K
M'Cormick,	1843	BM
Skottsberg, Carl Johan Fredrick	1902, 1907 ⁰⁶ , 1908	B, GB (orig.), NY, S, UPS, W
Smith, F.	1937	BM
Sparrmann, Anders	(1772075)	
Sullivan, I. B.	1842-52	K
Valentin, Eleanor Francis	1909-11 ⁴ ?	BM, K
Wright,	?	K

* = probably never visited the Falkland Islands

? = collected in South America and maybe on Falkland Is^l. too

~~VERRUCARIACEAE~~

Verrucariaceae

**Verrucaria dermoplaca* Nyl. in Cromb. Jour. Linn. Soc. London, Bot. 15: 234. 1876. Nylander (1888a), Hue (1890-92), Cotton (1915), Zahlbruckner (1917), Lamb (1948b).

Verrucaria dermoplacacea -----typogr. error for *Verrucaria dermoplaca*. Zahlbruckner (1917).

Verrucaria durietzii Lamb, Lilloa 14: 205, pl. 1, f. 1, 2. 1948. Lamb (1948c).

**Verrucaria glaucoplacoides* Darb. Wiss. Ergebn. Schwed. Sudpolar-Exped. 1901-03. 4(11): 18, pl. 3, f. 34, 35. 1912. Skottsberg (1913), Cotton (1915), ~~A~~ Zahlbruckner (1917).

Verrucaria maura Wahlenb. in Ach. Meth. Lich., Suppl. 19. 1803. Lamb (1948b).

Verrucaria tesselatula Nyl. in Cromb. Jour. Bot. 13: 335. 1875. Lamb (1948b).

Dermatocarpaceae

**Endocarpon maclovianum* Dumont d'Urville, Mém. Soc. Linn. Paris 4: 595. ~~18~~ 1826 (= Fl. Malouines 23. 1825). Gaudichaud (1826), Müller (1889a), Cotton (1915), Zahlbruckner (1917).

Pyrenulaceae

**Pyrenula falklandica* (Nyl.) Zahlbr. K. Sv. Vet.-Akad. Handl. 57 (6): 56. 1917. *Verrucaria falklandica* Nyl. Lich. Fuegiae et Patagon. 22. 1888. Hue (1890-92). Cotton (1915), Zahlbruckner (1917).

Phyllopyreniaceae

Lepolichen granulatus (Hook. f. & Tayl.) Müll. Arg. Flora 71: 549. 1888. *Porina granulata* Hook. f. & Tayl. London Jour. Bot. 3: 640. 1844 (non Ach. 1814). Zahlbruckner (1917).

Astrotheliaceae

Lithothelium cubanum Müll. Arg. Bot. Jahrbuch. 6: 386. 1885.

Zahlbruckner (1917).

Sphaerophoraceae

Sphaerophorus australis Laur. Linnaea 2: 44. 1827. Lindsay (1866).

Sphaerophorus compressus Ach. Meth. Lich. 135. 1803. Mirbel (1825),
^D Dumont d'Urville (1826), Gaudichaud (1826), Hooker (1845-47), Darbshire
 (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

~~Sph~~ *Sphaerophorus coralloides* Pers. See *Sphaerophorus globiferus* (L.)
 DC. in Lam. & DC. (Nomencl. syn.).

Sphaerophorus globiferus (L.) DC. in Lam. & DC. Fl. Franc. ed. 3.
 2: 327. ~~18~~ 1805. Lichen globiferus L. Mantissa Pl. 1: 133. 1767. Hooker
 & Taylor (1844), Hooker (1845-47), Nylander (1858-85), Darbshire (1912),
 Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Sphaerophorus melanocarpus (Sw.) DC. in Lam. & DC. Fl. Franc. ed.
 3. 6: 178. 1815. Lichen melanocarpus Sw. Nova Gen. Sp. Pl. 147. 1788.
 Degelius (1935).

Sphaerophorus tener Laur. Linnaea 2: 45, ~~f~~ pl. 1, f. 4. 1827.
 Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Graphidaceae

Opegrapha atra Pers. Neue Ann. der Bot. 1: 30, pl. 1, f. ~~2~~ 2B.
 1794. Hooker (1845-47), Zahlbruckner (1917).

**Opegrapha quinqueseptula* Zahlbr. K. Sv. Vet. -Akad. Handl.
~~57(6)~~ 57(6): 8. 1917.

Dirinaceae

**Dirina falklandica* Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6):10. 1917.

**Dirina falklandica* var. *corticola* Zahlbr. K. Sv. Vet.-Akad. Handl.
 57(6): 11. 1917.

Collemataceae

Leptogium menziesii (Sm. ex Ach.) Gay, Hist. Fisic. Politic, Chile, Bot. 8: 223, pl. 13, f. 5. 1852 (not seen). *Parmelia menziesii* Sm. ex Ach. Meth. Lich. 221. ~~18~~ 1803. Nylander (1858-85), Hue (1890-92), Zahlbruckner (1917).

Pannariaceae

Massalongia carnosa (Dicks.) Körb. Syst. Lich. Germ. 109. 1855. Lichen carnosus Dicks. Pl. Crypt. Brit. 2: 21, pl. 6, f. 7. 1790. Hue (1908), Zahlbruckner (1917), Lamb (1958).

(*Massalongia*) *muscorum* ... *Lecanora muscorum* Ach. Syn. Lich. 193. ~~18~~ 1814. Hooker (1845-47), Nylander (1858-85), Hue (1890-92), Cotton (1915).

**Parmeliella mamillata* (Hook. f. & Tayl.) ~~Zahlbr.~~ Zahlbr. Cat. Lich. Univ. 3: 212. 1925. *Lecidea mamillata* Hook. f. & Tayl. London Jour. Bot. 3: 637. 1844.

Parmeliella mamillata f. *nigrata* (Müll. Arg.) Zahlbr. Cat. Lich. Univ. 3: 212. 1925. *Parmeliella adumbrans* f. *nigrata* Müll. Arg. Nuov. Giorn. Bot. Ital. 21: 40. 1889. Müller (1888c), Zahlbruckner (1917).

Pannaria rubiginosa (Thunb. ~~ex~~ ex Ach.) Del. Dict. Class. Hist. Nat. 13: 20. 1828 (not seen). Lichen rubiginosus Thunb. ex Ach. Lich. Suec. Prod. 99. 1798. Hooker & Taylor (1844), Zahlbruckner (1917), Degelius (1935), Follmann (1960).

Psoroma hypnorum (Vahl) S. Gray, Nat. Arr. Brit. Pl. 1: 445. 1821. Lichen hypnorum Vahl, Icon. Pl. Dan. 6(16): 8, pl. 956. 1787 (not seen). Hooker (1845-~~47~~ 47), Nylander (1858-85), Hue (1890-92), Darbishire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

(~~Psoroma~~ ^P*psoroma*) *paleaceum* ... *Parmelia paleacea* Fr. Lich. Eur. Ref. 97. 1831 (nom. nov. for *Lecanora ciliata* Ach., nom. nud.) Hooker (1845-47), Nylander (1857, 1859b, 1858-85), Cotton (1915), Zahlbruckner (1917).

Stictaceae

Lobaria scrobiculata (Scop.) Gärtn^{er}, Meyer & Scherb. Oekon.-Techn.
Fl. Wetterau 3: 201. ~~18~~ 1801 (not seen). *Lichen scrobiculatus* Scop. Fl.
Carn. ed. 2. 2: 384. 1772. Hooker & Taylor (1844), Zahlbruckner (1917).

~~*Pseudocyphellaria carpoloma* (Del.)~~

Pseudocyphellaria argyracea (Bory ex Del.) Wain. Hedwigia Beibl. 37:
(35). 1898. *Sticta argyracea* Bory ex Del. Hist. Lich., *Sticta* 91, pl. 7,
f. 30. 1825. Hue (1898-⁻¹⁹⁰¹~~92~~).

Pseudocyphellaria ~~crocata~~ carpoloma (Del.) Wain. Hedwigia Beibl. 37:
(34). 1898. *Sticta carpoloma* Del. Hist. Lich., *Sticta* 159. 1825. Cotton (1915).

Pseudocyphellaria crocata (L.) Wain. Hedwigia Beibl. 37: (34). 1898.
Lichen crocatus L. Mantissa Altera 310. 1771. Hooker & Taylor (1844),
Darbishire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917),
Degelius (1935), Mitchell (1961).

**Pseudocyphellaria crocata* f. *citrina* (Pers. in Gaud.) Magn. Medd.
Göteborgs Bot. Trädg. 14: 14. 1940. *Sticta crocata* f. ~~*citrina*~~
(Pers. in Gaud.) Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 17. 1917
(first as form). *Sticta citrina* Pers. in Gaud. Voy. Uranie, Bot. 201. 1826.
Dumont d'Urville (1825, nom. nud.), Mirbel (1825, nom. nud.), Müller (1889a).

**Pseudocyphellaria durvillei* (Del.) Wain. Hedwigia, Beibl. 38: (187).
1899. *Sticta durvillei* Del. Hist. Lich., *Sticta*, Suppl. 599.
1825. Nylander (1856, 1858-85), Hue (1890-92), Stizenberger (1895),
Darbishire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

* ~~*Pseudocyphellaria endochrysea* (Del.)~~ Hist. Lich., *Sticta* ~~43~~ ~~pl. 1~~ ~~f. 1~~
~~1825~~

**Pseudocyphellaria endochrysea* (Del.) Wain. Résultat. Voy. Belgica,
Bot. 28. 1903. *Sticta endochrysea* Del. Hist. Lich., *Sticta* 43, pl. 1, f. 1.
1825. Dumont d'Urville (1825), Gaudichaud (1826), Hooker (1845-47), Nylander
(1858-85), Müller (1889a), Stizenberger (1895), Skottsberg (1913), Cotton
(1915), Zahlbruckner (1917).

(*Pseudocyphellaria endochrysea*) var. *orygmaeoides* ... *Sticta urvillei*
var. *orygmaeoides* Nyl. Syn. Lich. 1: 360. 1860. Cotton (1915).

**Pseudocyphellaria flavicans* (Hook. f. ~~and~~ [&] Tayl.) Wain. Philippine
~~Jour.~~ Jour. Sci., Sect. C. 8(2): 115. 1913. *Sticta flavicans* Hook. f. ~~and~~ [&]
Tayl. London Jour. Bot. 3: 648. 1844. Nylander (1857, 1858-85), Lindsay
(1861, 1866), Müller (1888b), Hue (1890-92), Zahlbruckner (1917).

**Pseudocyphellaria freycinetii* (Del.) Malme, Bih. till K. Sv. Vet.-Akad.
Handl. 25(III, 5):34. 1899. *Sticta freycinetii* Del. Hist. Lich., *Sticta*
124, pl. 14, f. 51. 1825. Dumont d'Urville (1825),
Gaudichaud (1826), Hooker (1845-47), Nylander (1858-85), Lindsay (1866),
Müller (1888b, 1889a), Hue (1890-92), Stizenberger (1895), Skottsberg (1913),
Cotton (1915), Zahlbruckner (1917).

(*Pseudocyphellaria freycinetii*) var. *prolifera* ... *Sticta freycinetii*
var. *prolifera* Müll. Arg. Flora 66: 24. 1883. Zahlbruckner (1917).

(*Pseudocyphellaria*) *fulvocinerea*... ^{*Sticta fulvo-cinerea*} ~~*Sticta cinerea*~~ Mont. in
Dumont d'Urville, Voy. Polé Sud, Astrolabe, Bot. 1: 184. 1845. Nylander
(1858-85).

Pseudocyphellaria gilva (Thunb. ex Ach.) Malme, Bih. till K. Sv. Vet.-
Akad. Handl. 25(III,5): 32. 1899. Lichen *gilva* Thunb. ex Ach. Lich. Suec.
Prod. 157. 1798. Delise (1825), Dumont d'Urville (1825), Gaudichaud (1826),
Hooker (1845-47), Knight (1871), Müller (1883, 1889a), Stizenberger (1895),
Darbishire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917),
Magnusson (1940).

**Pseudocyphellaria glabra* (Hook. f. ~~and~~ [&] Taylor) Dodge, Lich. BANZ
Antarct. Res. Exped. Rep., Ser. B. 7: 79. 1948. *Sticta glabra* Hook. f. & Tayl.
London Jour. Bot. 3: 647. 1844. Lindsay (1861), Dodge (1948), Dodge (1948)
selected material from the Auckland Isl. as the lectotype.

**Pseudocyphellaria impressa* (Hook. f. & Tayl.) Wain. Hedwigia, Beibl. 38: (187). 1899. *Sticta impressa* Hook. f. & Tayl. London Jour. Bot. 3: 648. 1844. Zahlbruckner (1917).

Pseudocyphellaria ~~impressa~~ intricata (Bory ex Del.) Wain. Hedwigia, Beibl. 37: (35). 1898. *Sticta intricata* Bory ex Del. Hist. Lich., *Sticta* 96, pl. 7, f. 33. 1825. Skottsberg (1913).

*(*Pseudocyphellaria*) *lactucaefolia* ... *Parmelia lactucaefolia* Pers. in Gaud. Voy. Uranie, Bot. 199. 1826. Mirbel (1825, nom. nud.), Müller (1889a), Zahlbruckner (1917), Dodge (1965).

*(*Pseudocyphellaria*) *lanata* ... *Collema lanatum* Pers. in Gaud. Voy. Uranie, Bot. 204. 1826. Mirbel (1825, nom. nud.), Müller (1889a), ~~Skottsberg~~ (1913) Gyelnik (1931).

**Pseudocyphellaria latiloba* Tayl. ex Dodge, ~~Trans.~~ Trans. Amer. Micros. Soc. 84(4): 1965.

Pseudocyphellaria orygmæa (Ach.) Malme, ^Bih. till K. Sv. Vet.-Akad. Handl. 25 (III, 5): 28. 1899 (not seen). *Sticta orygmæa* Ach. Meth. Lich. 278. 1803. Skottsberg (1913).

*(*Pseudocyphellaria*) *persoonii* ... *Cyanosticta persoonii* Dodge, Trans. ^Amer. Micros. Soc. 84(4): 505. 1965. Nom. nov. for *Sticta citrina* Pers. in Gaud. in genus *Cyanosticta*. See also *Pseudocyphellaria crocata* f. *citrina* (Pers. in Gaud.) Magn.

*(*Pseudocyphellaria*) *pubescens* ... *Parmelia pubescens* Pers. in Gaud. Voy. Uranie, Bot. 199. 1826. Mirbel (1825, ~~nom.~~ nom. nud.), Nylander (1858-85), Müller (1889a), Hue (1890-92).

Pseudocyphellaria thousarsii (Del.) Degel. Acta Phytogeogr. Suecica 7: 150. 1935. *Sticta thousarsii* Del. Hist. Lich., *Sticta* 90, pl. 8, f. 29. 1825. Hooker (1845-47), Cotton (1915), Zahlbruckner (1917), Degelius (1935), Mitchell (1961).

Sticta ~~trif~~ *crinita* Bory in Gaud. Typog. error for *Sticta citrina*; see

Pseudocyphellaria crocata f. *citrina* (Pers. in Gaud.) Magn.

Sticta filicina Ach. Meth. Lich. 275. 1803. Darbshire (1912), Skottsberg (1913), ~~pppp~~ Cotton (1915), Zahlbruckner (1917).

Sticta fuliginosa (Dicks.) Ach. Meth. Lich. 280. 1803. Lichen fuliginosus Dicks, Pl. Crypt. Brit. 1: 13. 1785. Hooker [&] ~~and~~ Taylor (1844), Zahlbruckner (1917), Degelius (1935), *Werner* (1948).

**Sticta gaudichaldia* Del. Orthogr. error (?); see *Sticta gaudichaudii* Del.

**Sticta gaudichaudiana* Pers. in Gaud. Orthogr. error; see *Sticta gaudichaudii* Del.

**Sticta gaudichaudii* Del. Hist. Lich., *Sticta* 80, pl. 7, f. 23. 1825. Dumont d'Urville (1825), Mirbel ~~¶~~ (1825), Gaudichaud (1826), Nylander (1857, 1858-85), Müller (1887, 1889a), Hue (1890-92), Cotton (1915), Zahlbruckner (1917).

**Sticta malovina* Fr. Syst. Orb. Veg. 1: 283. 1825. Müller (1887).

Peltigeraceae

Peltigera canina (L.) Willd. Fl. Berolin. 347. 1787. Lichen caninus L. Sp. Pl. 1149. 1753. Gaudichaud (1826), Hooker [&] ~~and~~ Taylor (1844), Hooker (1845-47), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Peltigera erumpens (Tayl. in Hook.) Wain. Természetr. Füzetek 22: 306. 1899. *Peltidea erumpens* Tayl. in Hook. London ~~pp~~ Jour. Bot. 6: 184. 1847. Zahlbruckner (1917).

Peltigera malacea (Ach.) Funck, Crypt. Gewächse 33: 5 1827. *Peltidea malacea* Ach. Syn. Lich. 240. 1814. Darbshire (1912), Skottsberg ~~¶~~ (1913), Cotton (1915), Zahlbruckner (1917).

Peltigera polydactyla (Neck.) Hoffm. Descr. Adumbr. Pl. Lich. 1: 19, pl. 4, f. 1. 1790. Lichen polydactylon Neck. Meth. Muscor. 85. 1771. Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Peltigera rufescens (Weis) Humb. Fl. Friberg. Specim. 2. 1793 (not seen).

Lichen caninus, rufescens Weis, Pl. Crypt. Fl. Gotting. 79. 1770.

Darbishire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Lecideaceae

*Lecidea agellata Darb. Wiss. Ergebn. Schwed. Südpolar-Exped. 1901-03.
4(11)~~2~~: 4, pl. 1, f. 3. 1912. Skottsberg (1913), Cotton (1915),
Zahlbruckner (1917).

Lecidea cinnabarina Somm. K. Vet.-Akad. Handl. 1823: 114. 1824.
Darbishire (1912), Skottsberg (1913).

(Lecidea) conglobulata Zahlbr. Typog. error; see (Lecidea) globulata.

~~Lecidea conglobulata~~

Lecidea coniops (Fr.) Mudd, Man. Brit. Lich. 201. 1861 (non Wahlenb. in
Ach. 1803; first as ~~new~~ species) Lecidea sabuletorum δ . coniops Fr. Lich. Eur.
Ref. 340. 1831. Hooker (1945-47).

Lecidea contigua (Hoffm.) Fr. Nov. Sched. Crit. Lich. 14: 1827.
Verucaria contigua Hoffm. Deutschl. Fl. 2: 184. 1796. Nylander (1859a),
Hue (1990-92), ~~Lich~~ Zahlbruckner (1917).

Lecidea elaeochroma (Ach.) Ach. Syn. Lich. 18. 1814 (first as species).
Lecidea parasema β . L. elaeochroma Ach. Meth. Lich. 36. 1803. Hooker ~~and~~
Taylor (1844), Darbishire (1912), Skottsberg (1913), Cotton (1915).

~~Lecidea elata~~

Lecidea elata Schaer. Lich. Helv. Spicil. 137. 1828. Darbishire (1912),
Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Lecidea euphorea (Flk.) Nyl. Mém. Soc. Sci. Nat. Cherbourg 5: 126.
1857 (non Somm. 1826; first as species). Lecidea sabuletorum δ . L. euphorea
Flk. Mag. Ges. Naturf. Freunde, Berlin. 2: 311. 1808. Zahlbruckner (1917).

Lecidea glacialis Schleich. ex Schaer. Lich. Helv. Spicil. 147. 1828.
Hooker (1845-47)

~~(Lecidea) globulata Schleich. ex Schaer. // Lich. Helv. // β~~

(*Lecidea*) *globulata* ... *Lecidea petraea* ^g L. ~~G~~lobulata Ach. Lich. Univ. 156. 1810. Dumont d'Urville (1825), Gaudichaud (1826), Zahlbruckner (1917).

Lecidea granulosa (Hoffm.) Ach. Meth. Lich. 65. 1803. *Verrucaria granulosa* Hoffm. Descr. Adumbr. Pl. Lich. 2. (1): 21, pl. 30, f. 3. 1791. Zahlbruckner (1917).

**Lecidea humistrata* Flot. ex Nyl. Lich. Nov. Zeland. 146. 1888. Cotton (1915).

**Lecidea interrupta* Darb. Wiss. Ergebn. Schwed. Südpolar.-Exped. 1901-03. 4(11): 3, pl. 1, f. 1. 1912. Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Lecidea olivacea (Hoffm.) Mass. Ricerch. Auton. Lich. Crost. 71, f. 135. 1852. *Verrucaria punctata* v. *olivacea* Hoffm. Deutschl. Fl. 2: 192. 1796. Zahlbruckner (1917).

**Lecidea protracta* Darb. Wiss. Ergebn. Schwed. Südpolar-Exped. 1901-03. 4(11): 4, pl. 1, f. 4. 1912. Cotton (1915), Zahlbruckner (1917).

Lecidea protrusa Fr. Lich. Eur. Ref. 324. 1831. Zahlbruckner (1917).

Lecidea quadricolor (Dicks.) Borr. ex Hook. in Sm. Engl. Fl. 5(1): 182. 1833 (not seen). *Lichen quadricolor* Dicks. Pl. Crypt. Brit. 3: 15, pl. 9, f. 3. 1793. Hooker [&] ~~and~~ Taylor (1844).

Lecidea scabra Tayl. in Mack. Fl. Hibern. 2: 121. 1836. Hooker [&] ~~and~~ Taylor (1844).

Lecidea subconfluens Anzi in Bagl. and ~~of~~ Car. Atti Soc. Crittog. Ital. 2: 259, ~~pl.~~ 3, f. 33. 1882 (not seen). Hue (1890-92), Zahlbruckner (1917).

Lecidea tenebrosula Müller Arg. Flora 69: 126. 1886. Darbishire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917) 1

Lecidea xantholeuca Müller Arg. Nuov. Giorn. Bot. Ital. 21: 45. 1889. Müller (1889b), Cotton (1915).

~~L~~Phyllopsora *corallina* (Eschw. in Mart.) Müll. Arg. Bot. Jahrbüch. 20: 264. 1894. *Lecidea corallina* Eschw. in Mart. Fl. Brasil. 1: 256. 1833. Hooker (1845-47), Zahlbruckner (1917).

Catillaria pulverea (Borr. in Hook [&] ~~and~~ Sowerb.) Lett. Hedwigia 52: 136. 1912. Lecidea pulverea Borr. in Hook [&] ~~and~~ Sowerb. Suppl. Engl. Bot. 2: pl. 2726. 1834 (not seen). Hooker [&] ~~and~~ Taylor (1844), Hooker (1845-47), Zahlbruckner (1917).

Bacidia lignaria (Ach.) Lett. Hedwigia 52: 132. 1912. Lecidea lignaria Ach. K. Vet.-Akad. Nya Handl. 29: 236. 1808. Hooker (1845-47), Zahlbruckner (1917).

Bacidia sabuletorum (Schreb.) Lett. Hedwigia 52: 132. 1912 or Festschr. Preussisch. Bot. Verein. 39. 1912. Lichen sabuletorum Schreb. Spicil. Fl. Lipsiens. 134. 1771. Hooker (1845-47), Zahlbruckner (1917).

*Bacidia tuberculata Darb. Wiss. Ergebn. Schwed. Südpolar-Exped. 1901-03. 4(11): 5, pl. 1, f. 8. 1912. Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Toninia caeruleonigricans (Lightf.) T. Fr. Lich. Scand. 336. 1874. Lichen caeruleonigricans Lightf. Fl. Scotica 2: 805. 1777. Zahlbruckner (1917).

Toninia vesicularis (Hoffm.) Mong. Gull. Acad. Intern. Géogr. Bot. 9: 149. 1900 (not seen). Patellaria vesicularis Hoffm. Descr. Adumbr. Pl. Lich. 2: 30, pl. 32, f. 3. 1794. Hooker (1845-47).

Rhizocarpon distinctum T. Fr. Lich. Scand. 625. 1874. Zahlbruckner (1917).

~~Rhizocarpon geographicum (L.) DC. in Lam. & DC. Fl. Franc. ed. 3.~~
Rhizocarpon geminatum Korb. Syst. Lich. Germ. 259, pl. 4, f. 7b. 1855.

Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Rhizocarpon geographicum (L.) DC. in Lam. [&] ~~and~~ DC. Fl. Franc. ed. 3. 2: 365. 1805. Lichen geographicus L. Sp. Pl. 1140. 1753. Dumont d'Urville (1825), Gaudichaud (1826), Hooker [&] ~~and~~ Taylor (1844), Hooker (1845-47), Nylander (1911/(1859a), Hue (1890-92), Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Rhizocarpon geographicum f. *atrovirens* (L.) Mass. Nuov. Ann. Sci. Nat. Bologna 7: 220. 1833 (not seen). *Lecidea geographica* β . *atrovirens* (L.) Schaer. Lich. Helv. Spicil. 124. 1828 (first $\frac{1}{2}$ as var.). *Lichen atrovirens* L. Sp. Pl. 1141. 1753. Gaudichaud (1826), Zahlbruckner (1917).

Rhizocarpon geographicum f. *contiguum* (Schaer.) Mass. Ricerch. Auton. Lich. Crost. 100, f. 203. 1852. *Lecidea geographica* α *contigua* Schaer. Lich. Helv. Spicil. 124. 1828. Zahlbruckner (1917).

**Rhizocarpon geographicum* var. *falklandicum* Räs. Repert. Sp. Nov. 52: 129, 136. 1943 (not seen). Räsänen (1949).

Stereocaulaceae

Stereocaulon botryosum Ach. Lich. Univ. 581. 1910. Lamb (1951, map only).

Stereocaulon magellanicum (T. Fr.) T. Fr. Nova Acta Reg. Soc. Sci. Ups. III. 2(1): 359. 1858 (not seen). *Stereocaulon tomentosum*. **St. magellanicum* T. Fr. Die Stereoc. Piloph. Comment. 55. 1857. Crombie (1877), Cotton (1915), Zahlbruckner (1917).

Stereocaulon paschale (L.) Hoffm. Deutschl. Fl. 2: 130. 1796. *Lichen paschalis* L. Sp. Pl. 1153. ¹⁷⁵³ Lamb (1951, map only).

Stereocaulon tomentosum Fr. Sched. Crit. Lich. 20. 1824. Lamb (1951, map only).

**Stereocaulon turfosum* Bory in Dumont & d'Urville, Mém. Soc. Linn. Paris 4: 596. 1826 (= Fl. Malouines 25. 1825). Gaudichaud (1826), Müller (1889a), Cotton (1915), Zahlbruckner (1917).

Cladoniaceae

Cladonia aggregata (Sw.) Spreng. Linn. Syst. Veg. ed. 16. 4(1): 270. 1827. *Lichen aggregatus* Sw. Nov. Gen. Sp. Pl. 147. 1788. Dumont ~~A/Vt/Vt/A/Vt/Vt~~ d'Urville (1825), Mirbel (1825), Gaudichaud (1826), Hooker (1845-47),

Lindsay (1861, 1866), Leighton (1867), Hariot (1887), Wainio (1887-97),
Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner
(1917), Smith (1921), Nung⁹ (1962).

Cladonia alpestris (L.) Rabenh. Clad. Eur. 11. 1860 (not seen).
Lichen rangiferinus (a.) alpestris L. Sp. Pl. 1153. 1753. Dumont
d'Urville (1825), Gaudichaud (1826), Hooker (1845-47), Wainio (1887-
97), Skottsberg (1913), Zahlbruckner (1917).

Cladonia arbuscula (Wallr.) Rabenh. Deutschl. Krypt. Fl. 2(1):
110. 1845. *Patellaria foliacea* var. m. *arbuscula* Wallr. Naturges.
Saulchen-Flecht. 169. 1829 (not seen). Reported as *Cladonia sylvatica*.
Hooker (1845-47), Hariot 1887.

(*Cladonia arbuscula*) f. *spumosa* ... *Cladonia rangiferina* ♂
alpestris b. *supumosa* Flk. Clad. Comm. 166. 1828 (not seen). Hariot (1887).

(*Cladonia arbuscula*) var. *sylvestris* Lichen rangiferinus
sylvestris Oed. Icon. Pl. Dan. 3(9): 4, pl. 539. 1770 (not seen).
Wainio (1887-97), Zahlbruckner (1917).

Cladonia bacillaris (Ach.) Nyl. Notis. Sällsk. Faun. Fl. Fenn.
Förh. 8: 179, not. 1882 (= Lich. Lapp. Orient. 179. 1866). *Baeomyces*
bacillaris Ach. Meth. Lich. 329. 1803. Hooker (1845-47), Hariot
(1887), Wainio (1887-97), Zahlbruckner (1917).

Cladonia cariosa (Ach.) Spreng. Linn. Syst. Veg. ed. 16. 4(1): 272.
1827. Lichen cariosus Ach. Lich. Suec. Prod. 198. 1798. Cotton (1915).

Cladonia chlorophaea (Flk. in Somm.) Spreng. Linn. Syst. Veg. ed.
16. 4(1): 273. 1827. *Cenomyce chlorophaea* Flk. in Somm. Suppl. Fl.
Lapp. 130. 1826. Dumont d'Urville (1825, nom. nud.), Mirbel (1825,
nom. nud.), Gaudichaud (1826), Leighton (1867), Wainio (1887-97),
Müller (1889a), Zahlbruckner (1917).

Cladonia coccifera (L.) Willd. Fl. Berol. 361. 1787. Lichen cocciferus L. Sp. Pl. 1151. 1753. Hooker & Taylor (1844), Hooker (1845-47), Wainio (1887-97), Darbishire (1912), Skottsberg (1913), Cotton (1915).

Cladonia coccifera f. *cornucopioides* (L.) Brandt & Rostr. Lich. Dan. 42. 1869 (not seen). *Cenomyce coccifera* β *C. asotea* b. *cornucopioides* (L.) Ach. Syn. Lich. 269. 1814 (first as form). Lichen *cornucopioides* L. Sp. Pl. 1151. 1753. Lindsay (1861), Leighton (1867), Hariot (1887).

Cladonia coccifera var. *stematina* (Ach.) Wain. Acta Soc. Fauna Fl. Fenn. 4: 158. 1887. *Cenomyce coccifera* a. *C. stematina* Ach. Lich. Univ. 537. 1810. Zahlbruckner (1917).

*(*Cladonia*) *collodes* ... *Dufourea collodes* Hook. f. & Tayl. London Jour. Bot. 3: 650. 1844.

Cladonia coniocraea (Flk.) Spreng. Linn. Syst. Veg. ed. 16. 4(1): 272. 1827. *Cenomyce coniocraea* Flk. Deutsch. Lich. 7: 14. 1821. Hariot (1887).

Cladonia cornuta (L.) Hoffm. Descr. Adumbr. Pl. Lich. 2: 1, pl. 25, f. 1. 1794. Lichen cornutus L. Sp. Pl. 1152. 1753. Nylander (1858-85), Hariot (1887), Wainio (1887-97), Zahlbruckner (1917).

Cladonia deformis (L.) Hoffm. Deutschl. Fl. 2: 120. 1796. Lichen *deformis* L. Sp. Pl. 1152. 1753. Hooker & Taylor (1844), Hooker (1845-47), Nylander (1858-60), Leighton (1867), Hariot (1887), Wainio (1887-97), Hue (1890-92), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Cladonia deformis f. *crenulata* (Ach.) Nyl. Notis. Sällsk. Fauna Fl. Fenn. Forh. 5: 60. 1861. (= Lich. Scand. 60. 1861). *Baeomyces deformis* ^a B. *crenulatus* Ach. Meth. Lich. 334. 1803. Dumont d'Urville (1825), Gaudichaud (1826).

Cladonia degenerans (Flk.) Spreng. Linn. Syst. Veg. ed. 16. 4(1): 273. 1827. *Baeomyces degenerans* Flk. Mag. Ges. naturf. Freunde, Berlin 1: 283. 1807. Hariot (1887), Wainio (1887-97), Zahlbruckner (1917).

Cladonia digitata (L.) Schaer. Lich. Helv. Spicil. 22. 1823. *Lichen digitatus* L. Sp. Pl. 1152. 1753. Hariot (1887), Wainio (1887-97).

Cladonia ecmocyna (Ach.) Nyl. Notis. Sällsk. Fauna Fl. Fenn. Forh. 8: 176. 1866 (= Lich. Lapp. Orient. 176. 1866; not seen). *Cenomyce ecmocyna* Ach. K. Sv. Vet.-Akad. Nya Handl. 31: 299. 1810 or Lich. Univ. 549. 1810. Leighton (1867), Zahlbruckner (1917).

Cladonia elongata (Jacq.) Hoffm. Deutschl. Fl. 2: 119. 1796. *Lichen elongatus* Jacq. Misc. Austr. 2: 368, pl. 11, f. 1. 1781 (not seen). Wainio (1887-97).

Cladonia fallax des Abbayes, Bull. Soc. Sci. Bretagne 16 (hors ser. 2): 85. 1939 (nom. nov. for *Cenomyce pycnoclada* Pers. in Gaud.), des Abbayes (1939).

Cladonia fimbriata (L.) Fr. Lich. Eur. Ref. 222. 1831. *Lichen fimbriatus* L. Sp. Pl. 1152. 1753. Dumont d'Urville (1825), Gaudichaud (1826), Hooker & Taylor (1844), Hooker (1845-47), Lindsay (1861), Hariot (1887), Wainio (1887-97), Cotton (1915), Zahlbruckner (1917).

Cladonia fimbriata f. *balfourii* (Cromb) Wain. Acta Soc. Faun. Fl. Fenn. 10: 339. 1894. *Cladonia balfourii* Cromb, Jour. Linn. Soc. London, Bot. 15: 433. 1877. Wainio (1887-97), Zahlbruckner (1917).

(*Cladonia fimbriata*) var. *lomagona* *Cenomyce allotropa* ϵ .
C. lomagona Ach. Vet.-Akad. Nya Handl. 31: 301. 1810 and Lich. Univ.
 555. 1810 Dumont d'Urville (1825), Gaudichaud (1826).

Cladonia fimbriata var. *prolifera* (Retz.) Mass. Lich. Exs. Ital.
 155. 1855 (not seen). Lichen fimbriatus β . prolifer Retz. Fl. Scand.
 232. 1779 (not seen). Dumont d'Urville (1825), Gaudichaud (1826),
 Zahlbruckner (1917).

Cladonia flabelliformis (Flk.) Wain. Acta Soc. Fauna Fl. Fenn.
 4: 113. 1887. *Capitularia flabelliformis* Flk. Mag. Ges. naturf.
 Freunde, Berlin 2: 216. 1808. Wainio (1887-97).

Cladonia flabelliformis var. *tubaeformis* (Mudd) Wain. Acta Soc.
 Fauna Fl. Fenn. 4: 117. 1887. *Cladonia coccifera* ϵ . *macilentata* h.
tubaeformis Mudd, Mon. Brit. Clad. 32. 1865 (not seen). Wainio
 (1887-97), Zahlbruckner (1917).

Cladonia flavescens Wain. Acta Soc. Fauna Fl. Fenn. 4:197.
 1887. Zahlbruckner (1917).

Cladonia furcata (Huds.) Schrad. Spicil. Fl. Germ. 107. 1794.
 Lichen furcatus Huds. Fl. Angl. 458. 1762. Hooker & Taylor (1844),
 Hariot (1887), Wainio (1887-97), Darbishire (1912), Skottsberg (1913),
 Cotton (1915), Zahlbruckner (1917).

Cladonia gracilis (L.) Willd. Fl. Berol. 363. 1787. Lichen
gracilis L. Sp. Pl. 1152. 1753. Dumont d'Urville (1825), Mirbel (1825),
 Gaudichaud (1826), Hooker & Taylor (1844), Hooker (1845-47), Lindsay
 (1861), Hariot (1887), Wainio (1887-97), Darbishire (1912), Skottsberg
 (1913), Cotton (1915), Zahlbruckner (1917), Follmann (1960), Makarevich
 (1963).

Cladonia laevigata (Wain.) Gyel. *Lichenotheca* 148. 1937 (not seen).
Cladonia sylvatica γ . *laevigata* Wain. *Acta Soc. Fauna Fl. Fenn.* 4:
 33. 1887. Santesson (1942), Lamb (1958).

Cladonia macilenta Ehrh. ex Hoffm. *Deutschl. Fl.* 2: 126. 1796.
 Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Cladonia percrassata Nyl. *Jour. Linn. Soc. London, Bot.* 15:225.
 1876. Hue (1890-92).

Cladonia pityrea (Flk.) Fr. *Nov. Sched. Crit.* 21. 1826. *Capitularia*
pityrea Flk. *Mag. Ges. naturf. Freunde, Berlin* 2: 135. ~~1808~~ 1808. Leighton
 (1867), Wainio (1887-97), Zahlbruckner (1917).

Cladonia pleurota (Flk.) Schaer. *Enum. Crit. Lich. Eur.* 186.
 1850. *Capitularia pleurota* Flk. *Mag. Ges. naturf. Freunde, Berlin* 2:
 218. 1808. Dumont d'Urville (1825), Mirbel (1825), Gaudichaud (1826),
 Wainio (1887-97), Zahlbruckner (1917).

**Cladonia pycnoclada* (Pers. in Gaud.) Nyl. *Jour. Linn. Soc.*
London, Bot. 9: 244. 1866. *Cenomyce pycnoclada* Pers. in Gaud. *Voy.*
Uranie, Bot. 212. 1826. Dumont d'Urville (1825, nom. nud.), Mirbel
 (1825, nom. nud.), Hariot (1887), Wainio (1887-97), Muller (1889a),
 Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner
 (1917), Santesson (1942), Ahti (1961).

Cladonia pycnoclada var. *exalbescens* Wain. *Acta Soc. Fauna Fl.*
Fenn. 4: 39. 1887. Zahlbruckner (1917).

**Cladonia pycnoclada* var. *flavida* Wain. *Acta Soc. Fauna Fl.*
Fenn. 4: 38. 1887. Zahlbruckner (1917).

Cladonia pyxidata (L.) Hoffm. *Deutschl. Fl.* 2: 121. 1796. *Lichen*
pyxidatus L. *Sp. Pl.* 1151. 1753. Wainio (1887-97), Darbshire (1912),
 Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Cladonia pyxidata var. *neglecta* (Flk.) Schaer. Lich. Helv. Spicil. 27. 1823 (first as var.). *Capitularia neglecta* Flk. Beitr. z. Naturk. 2: 306. 1810. Wainio (1887-97), Zahlbruckner (1917).

(*Cladonia pyxidata*) var. *tuberculosa* ... Lichen *pyxidatus*, *tuberculatus* Weis, Pl. Crypt. Gotting. 85. 1770 (not seen). Gaudichaud (1826).

Cladonia rangiferina (L.) G. Web. in Wigg. Primit. Fl. Holsat. 90. 1780. Lichen *rangiferinus* L. Sp. Pl. 1153. 1753. Hooker & Taylor (1844), Hooker (1845-47), Lindsay (1861), Cotton (1915).

Cladonia rangiformis Hoffm. Deutschl. Fl. 2: 114. 1796.

Cladonia rangiformis var. *pungens* (Ach.) Wain. Acta Soc. Fauna Fl. Fenn. 4: 361. 1887. *Baeomyces rangiferinus* δ . *pungens* (Ach.) Wahlenb. Fl. Lapp. 458. 1812 (not seen). Lichen *pungens* Ach. Lich. Suec. Prod. 202. 1798. Leighton (1867).

**Cladonia scabrosa* (Pers. in Gaud.) Dodge, Trans. Amer. Micros. Soc. 84 (4): 505. 1965. *Cenomyce scabrosa* Pers. in Gaud. Voy. Uranie, Bot. 213. 1826. Dumont d'Urville (1825, nom. nud.), Mirbel (1825, nom. nud.), Dodge (1965).

Cladonia squamosa (Scop.) Hoffm. Deutschl. Fl. 2: 125. 1796. Lichen *squamosus* Scop. Fl. Carniol., ed. 2. 2: 368. 1772.

Cladonia squamosa var. *denticollis* (Hoffm.) Flk. Ann. der Wetterau. Ges. Naturk. 1: 101. 1809 (not seen). *Cladonia squamosa* C. *denticollis* Hoffm. Deutschl. Fl. 2: 125. 1796. Zahlbruckner (1917).

Cladonia subsquamosa (Nyl. in Leight.) Wain. Acta Soc. Fauna Fl. Fenn. 4: 445. 1887 (non Kremp. 1873; first as species). *Cladonia delicata* var. *subsquamosa* Nyl. in Leight. Lich. Fl. Gt. Brit. 59. 1871. Zahlbruckner (1917).

Cladonia subulata (L.) G. Web. in Wigg. Primit. Fl. Holsat.
90. 1780. *Lichen subulatus* L. Sp. Pl. 1153. 1753. Dumont d'Urville
(1825), Mirbel (1825), Gaudichaud (1826).

Cladonia sylvatica (L.) Hoffm. Nomenclaturally = *Cladonia arbuscula*
(Wallr.) Rabenh^h.

Cladonia uncialis (L.) G. Web. in Wigg. Primit. Fl. Holsat. 90.
1780. *Lichen uncialis* L. Sp. Pl. 1153. 1753. Wainio (1887-97).

**Cladonia ustulata* (Hook. f. & Tayl.) Leight. Ann. Mag. Nat. Hist.
19: 109. 1867. *Cenomyce ustulata* Hook. f. & Tayl. London Jour. Bot.
3: 652. 1844. Hooker (1845-47), Nylander (1858-85), Leighton (1867),
Harriot (1887), Wainio (1887-97), Muller (~~1888~~^{1888a}), Hue (1890-92),
Dodge (1948).

Cladonia verticillata (Hoffm.) Schaer. Lich. Helv. Spicil. 31.
1823. *Cladonia pyxidata* C. *verticillata* Hoffm. Deutschl. Fl. 2:
122. 1796. Hooker & Taylor (1844), Hooker (1845-47), Harriot (1887),
Cotton (1915).

Cladonia verticillata var. *alcicornis* (Lightf.) Wain. Acta. Soc.
Fauna Fl. Fenn. 10: 385. 1894. *Cladonia foliacea* a. *alcicornis* (Lightf.)
Schaer. Lich. Helv. Spicil. 294. 1833 (first as var.) *Lichen alcicornis*
Lightf. Fl. Scot. ed. 2. 872. 1777 (not seen). Zahlbruckner (1917).

Cladonia verticillata var. *cervicornis* (Ach.) T. Fr. Acta Reg.
Soc. Sci. Ups. III. 3: 249. 1861 (=Lich. Arct. 149. 1860). (first
as var.; comb. not made by Florke^h cited as syn.) *Lichen cervicornis*
Ach. Lich. Suec. Prod. 184. 1798. Cotton (1915).

Cladonia verticillata f. *evoluta* (T. Fr.) B. Stein in Cohn,
Krypt.-Fl. Schlesien 2(2): 49. 1879 (not seen). *Cladonia gracilis*
*Cl. *verticillata* a. *evoluta* T. Fr. Lich. Scand. 83. 1871. Wainio
(1887-97), Zahlbruckner (1917).

Umbilicariaceae

- Umbilicaria aenea (Schaer.) Schaer. Lich. Helv. Exs. 149. 1826
 (not seen). Gyrophora aenea Schaer. Naturw. Anzeiger der allgemein
 Schweizer. Ges. für gesamt. Naturw. 1:7. 1818 (not seen) Hooker (1845-47).
 Umbilicaria angulata Tuck. Proc. Amer. Acad. Arts Sci. 1: 26⁶.
 1847. ~~Skottsberg (1913)~~. Zahlbruckner (1917).
 Umbilicaria dillenii Tuck. Proc. Amer. Acad. Arts Sci., 1: 264. 1847. Skottsberg (1913).
 Umbilicaria murina (Ach.) DC. in Lam. & DC. Fl. Franc. ed. 3.
 2: 412. 1805. Lichen murinus Ach. Lich. Suec. Prod. 143. 1798. Müller["]
 (1888c).
 Umbilicaria polyphylla (L.) Baumg. Fl. Lipsiens. 571. 1790.
 Lichen polyphyllus L. Sp. Pl. 1150. 1753. Skottsberg (1913),
 Zahlbruckner (1917), Dodge (1948),^{Werner (1948)} Llano^o (1950).
 Umbilicaria polyphylla f. glabra (Liljeb.) Stenh. Nova Sched.
 Crit. Lich. 14. 1833 (first as form; not seen). Lichen polyrrhizos
 var. glaber Liljeb. Utkast Sv. Fl. 432. 1792 (not seen). Müller["] (1888c),
 *(Umbilicaria) stygia ... Gyrophora stygia Hook. f. & Tayl.
 London Jour. Bot. 3: 638. 1844. Nylander (1860), Müller["] (1888c),
 Hue (1890-92).
 Actinogyra polyrrhiza (L.) Schol. Nyt Mag. f. Naturvid. 75:
 28. 1934 (not seen). Lichen polyrrhizos [sic] L. Sp. Pl. 1151. 1753.
 Llano (1950).

Pertusariaceae

- *Pertusaria alterimosa Darb. Wiss. Ergebn. Schwed. Sudpolar-Exped.
 1901-03. 4(11): 7, pl. 1, f. 11. 1912. Skottsberg (1913), Cotton
 (1915), Zahlbruckner (1917).

**Pertusaria cerebrinula* Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 29. 1917.

**Pertusaria confusa* (Dumont d'Urville) Zahlbr. Cat. Lich. Univ. 5: 135. 1927. *Porina confusa* Dumont d'Urville, Mém. Soc. Linn. Paris 4: 595. 1826 (Fl. Malouines 23. 1825). Gaudichaud (1826), Müller (1889a), Cotton (1915), Zahlbruckner (1917).

**Pertusaria corrugata* Darb. Wiss. Ergebn. Schwed. Südpolar-Exped. 1901-03. 4(11): 6, pl. 1, f. 10. 1912 (non Kremp. 1876). Cotton (1915), Zahlbruckner (1917).

**Pertusaria darbishireana* Zahlbr. Cat. Lich. Univ. 5: 237. 1928 (nom. nov. for *Pertusaria corrugata* Darb. non Kremp.) Zahlbruckner (1921-40).

**Pertusaria darbishireana* f. *phaeizans* (Zahlbr.) Zahlbr. Cat. Lich. Univ. 5: 237. 1928. *Pertusaria corrugata* f. *phaeizans* Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 29. 1917.

**Pertusaria erubescens* (Hook. f & Tayl.) Nyl. Mém. Soc. Sci. Nat. Cherbourg 5: 117. 1857. *Urceolaria erubescens* Hook. f. & Tayl. London Jour. Bot. 3: 640. 1844. Hooker (1845-47), Müller (1888c), Nylander (1888a), Hue (1890-92), Cotton (1915), Zahlbruckner (1917).

Pertusaria fallax (Pers. in Ach.) Howitt, Nottinghamshire Fl. 104. 1839 (not seen). *Porina fallax* Pers. in Ach. Syn. Lich. ^{110.} 1814. Hooker & Taylor (1844).

**Pertusaria macloviana* Müll. Arg. Flora 67: 271. 1884. Cotton (1915), Zahlbruckner (1917).

**Pertusaria microcarpa* Nyl. Lich. Insul. Guineens. 44. 1889 (not seen) or Stizenb. Flora 62: 367. 1889. Nylander (1857, 1859a, nom. nud.), Hue (1890-92), Zahlbruckner (1917).

Pertusaria oculata (Dicks.) T. Fr. Lich. Scand. 307. 1871.

Lichen oculatus Dicks. Pl. Crypt. Brit. 2: 17, pl. 6, f. 3. 1790.

Hooker (1845-47), Zahlbruckner (1917).

**Pertusaria solitaria* Darb. Wiss. Ergebn. Schwed. Südpolar-Exped.
1901-03. 4(11): 7, pl. 1, f. 12. 1912. Skottsberg (1913), Cotton
(1915), Zahlbruckner (1917).

Pertusaria wulfenii DC. in Lam. & DC. Fl. Franc. ed. 3. 2: 320.
1805. Hooker (1845-47), Zahlbruckner (1917).

Lecanoraceae

Lecanora aeruginosa Nyl. Ann. Sci. Nat., Bot. IV. 3: 157. 1855
(not seen). Nylander (1859a).

Lecanora atra (Huds.) Ach. Lich. Univ. 344. 1810. *Lichen ater*
Huds. Fl. Angl. 1: 445. 1762 (not seen). Hooker & Taylor (1844),
Hooker (1845-47), Zahlbruckner (1917).

**Lecanora atra* var. *lirellina* (Darb.) Zahlbr. K. Sv. Vet.-Akad.
Handl. 57(6): 32. 1917. *Aspicilia lirellina* Darb. Wiss. Ergebn.
Schwed. Südpolar-Exped. 1901-03. 4(11): 10, pl. 2, f. 18, 19. 1912.
Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

**Lecanora atroviolacea* Flot. ex Nyl. Lich. Fueg. Patag. 21.
1888. Hue (1890-92), Cotton (1915), Zahlbruckner (1917).

Lecanora badia (Pers.) Ach. Lich. Univ. 407. 1810. *Lichen badius*
Pers. Ann. der Bot. 7: 27. 1794.

Lecanora badia var. *cinerascens* Flot. 27 Jahresber. Schlesisch.
Ges. für vaterl. Kultur 132. 1849 (not seen). Zahlbruckner (1917).

Lecanora bicincta Ram. Mém. Acad. Roy. Sci. des l'Institut. de
France 6(1823): 132. 1827 (not seen). Zahlbruckner (1917).

**Lecanora capistrata* (Darb.) Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 31. 1917. *Lecidea capistrata* Darb. Wiss. Ergebn. Schwed. Sudpolar-Exped. 1901-03. 4(11): 3, pl. 1, f. 2. 1912. Skottsberg (1913), Cotton (1915), Zahlbruckner (1917), Magnusson (1950).

Lecanora epibryon (Ach.) Ach. Lich. Univ. 396. 1810. Lichen epibryon Ach. Lich. Suec. Prod. 79. 1798. Darbshire (1912), Cotton (1915), Zahlbruckner (1917).

Lecanora flavovirens Fee, Essai Crypt. Écorç. Offic. 115, pl. 29, f. 3. 1824. Zahlbruckner (1917).

Lecanora frustulosa (Dicks.) Ach. Lich. Univ. 405. 1810. Lichen frustulosus Dicks. Pl. Crypt. Brit. 3: 13, pl. 8, f. 10. 1793. Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Lecanora glaucoma (Hoffm.) Ach. Lich. Univ. 362. 1810. *Verrucaria glaucoma* Hoffm. Deutschl. Fl. 2: 172. 1796. Hooker & Taylor (1844), Zahlbruckner (1917).

**Lecanora orbiculata* (Darb.) Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 60. 1917. *Aspicilia orbiculata* Darb. Wiss. Ergebn. Schwed. Sudpolar-Exped. 1901-03. 4(11): 11, pl. 2, f. 21. 1912. Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Lecanora polytropa (Ehrh. ex Hoffm.) Rabenh. Deutschl. Krypt.-Fl. 2(1): 37. 1845. *Verrucaria polytropa* Ehrh. ex Hoffm. Deutschl. Fl. 2: 196. 1796. Zahlbruckner (1917).

Lecanora sordida (Pers.) T. Fr. Nova Acta Reg. Soc. Sci. Ups. III. 3: 215. 1861 (= Lich. Arct. 115. 1860). Lichen sordidus Pers. Ann. der Bot. 7: 26. 1794. Hooker (1845-47).

**Lecanora subelata* Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 32. 1917.

Lecanora subfusca (L.) Ach. Lich. Univ. 393, pl. 7, f. 6. 1810.
Lichen subfuscus L. Sp. Pl. 1142. 1753. Hooker & Taylor (1844),
Hooker (1845-47), Cotton (1915), Zahlbruckner (1917).

Lecanora sulphurea (Hoffm.) Ach. Lich. Univ. 399. 1810. Lichen
sulphureus Hoffm. Enum. Lich. 32, pl. 4, f. 1. 1784 (non Retz. 1769).
Hooker & Taylor (1844).

Placopsis perrugosa (Nyl.) Linds. Proc. Roy. Soc. Edinburg
5: 527. 1866 and Trans. Linn. Soc. London, Bot. 25: 536. 1866.
Lecanora perrugosa Nyl. Flora 48: 338. 1865. Lamb (1947).

**Ochrolechia antarctica* (Müll. Arg.) Darb. Wiss. Ergebn. Schwed.
" Sudpolar-Exped. 1901-03. 4(11): 50. 1912. *Pertusaria antarctica*
" Müll. Arg. Flora 69: 125. 1886. Hue (1915), Verseghy (1962).

*(*Ochrolechia*) *macloviana* ... *Lecanora macloviana* Pers. in
Gaud. Voy. Uranie, Bot. 194. 1826. Mirbel (1825, nom. nud.),
" Muller (1889a).

Ochrolechia parella (L.) Mass. Ricerch. Auton. Lich. Crost.
32, f. 52. 1852. Lichen parellus L. Mantissa Pl. 1: 132. 1767.
Dumont d'Urville (1825), Gaudichaud (1826), Hooker & Taylor (1844),
Hooker (1845-47), Nylander (1859), Hue (1890-92), Darbshire (1912),
Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Ochrolechia tartarea (L.) Mass. Ricerch. Auton. Lich. Crost.
30, f. 49. 1852. Lichen tartareus L. Sp. Pl. 1141. 1753. Hooker &
Taylor (1844), Hooker (1845-47), Darbshire (1912), Cotton (1915),
Zahlbruckner (1917).

Ochrolechia tartarea var. *frigida* (Sw.) " Korb. Parerg. Lich. 92.
1859. *Parmelia tartarea* β , *P. frigida* (Sw.) Ach. Meth. Lich. 166.
1803 (first as var.) Lichen frigidus Sw. Meth. Muscor. 36, pl. 2,
f. 8. 1781 (not seen). Zahlbruckner (1917), Verseghy (1962).

Ochrolechia tartarea var. *gonatodes* (Ach.) Wain. Meddel. Soc. Fauna Fl. Fenn. 6: 175. 1881 *Parmelia tartarea* γ , *P. gonatodes* (Ach.) Ach. Meth. Lich, Suppl. 35. 1803 (first as var.) *Lichen gonatodes* Ach. Lich. Suec. Prod. 89. 1798. Nylander (1888b), Hue (1890-92).

Ochrolechia tartarea var. *lapuensis* ^HRäs. Medd. Soc. Fauna Fl. Fenn. 46: 163. 1921 (not seen). Versegby (1962).

Ochrolechia tartarea f. *microcarpa* Arn. Flora 65: 133. 1882 (not seen). Versegby (1962).

Ochrolechia upsaliensis (L.) Mass. Ricerch. Auton. Lich. Crost. 31, f. 51. 1852. *Lichen upsaliensis* L. Sp. Pl. 1142. 1753. Dumont d'Urville (1825), Gaudichaud (1826), Hooker (1845-47), Cotton (1915), Zahlbruckner (1917).

Haematomma coccineum (Dicks.) ^HKorb. Syst. Lich. Germ. 153. 1855. *Lichen coccineus* Dicks. Pl. Crypt. Brit. 1: 8, pl. 2, f. 1. 1785 (nom. nov. for *Lichen haematomma* Ehrh) Hooker & Taylor (1844), Hooker (1845-47), Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Haematomma erythromma (Nyl.) Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 37. 1917. *Lecanora erythromma* Nyl. Notis. ^HSällsk. Fauna Fl. Fenn. Forh. 8(1882): 140, not. 1866 (not seen). Hue (1890-92), Zahlbruckner (1917).

(*Haematomma*) *haematomma* ... *Lecanora haematomma* (Ehrh.) Ach. See *Haematomma coccineum* (Dicks.) ^HKorb.

Haematomma ventosum (L.) Mass. Ricerch. Auton. Lich. Crost. 33, f. 54. 1852. *Lichen ventosus* L. Sp. Pl. 1141. 1753. Hooker & Taylor (1844), Hooker (1845-47), Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Candelariaceae

Candelariella vitellina (Ehrh.) Mull. Arg. Bull. Herb. Boiss. 2(append. 1): 47. 1894. *Lichen vitellinus* Ehrh. Pl. Crypt. Exs. 155. 1785 (not seen). Nylander (1859a), Hue (1890-92), Zahlbruckner (1917).

Candelaria concolor (Dicks.) Arn. Flora 62: 364. 1879 or B. Stein in Cohn, Krypt.-Fl. Schlesien 2(2): 84. 1879. *Lichen concolor* Dicks. Pl. Crypt. Brit. 3: 18, pl. 9, f. 8. 1793. Cotton (1915), Zahlbruckner (1917).

Parmeliaceae

Parmelia borreri (Turn. ex Sm. in Sm. & Sowerb.) Turn. Trans. Linn. Soc. London 9: 148, pl. 13, f. 2. 1808. *Lichen borreri* Turn. ex. Sm. in Sm. & Sowerb. Engl. Bot. 25: pl. 1780. 1807. Cotton (1915).

Parmelia conspersa (Ehrh. ex Ach.) Ach. Meth. Lich. 205. 1803. *Lichen conspersus* Ehrh. ex. Ach. Lich. Suec. Prod. 118. 1798. Hooker & Taylor (1844), Nylander (1858-85), Hue (1890-92), Zahlbruckner (1917).

Parmelia mougeotii Schaer. in Dietrich, Deutschl. Krypt. Gewächse 4: 118, pl. 288. 1846 (not seen). Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Parmelia reticulata Tayl. in Mack. Fl. Hibern. 2: 148. 1836. Hooker & Taylor (1844).

Parmelia revoluta Flk. Deutschl. Lich. 1:11. 1815. Degelius (1935).

Parmelia saxatilis (L.) Ach. Meth. Lich. 204. 1803. *Lichen saxatilis* L. Sp. Pl. 1142. 1753. Mirbel (1825), Gaudichaud (1826), Hooker & Taylor (1844), Hooker (1845-47), Nylander (1858-85), Hue (1890-92), Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917), Warner (1955).

Parmelia tenuirima Hook. f. & Tayl. London Jour. Bot. 3: 645. 1844. Zahlbruckner (1917).

(*Hypogymnia*) *antarctica* ... *Parmelia antarctica* Bitter, *Hedwigia* 40: 248, pl. 10, f. 3. 1901. Cotton (1915).

Hypogymnia enteromorpha (Ach.) Nyl. *Acta Soc. Sci. Fenn.* 26 (10): 7. 1900 *Parmelia enteromorpha* Ach. *Meth. Lich.* 252. 1803. Hooker & Taylor (1844), Hooker (1845-47), Lindsay (1866), Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

(*Hypogymnia*) *lugubris* ... *Parmelia lugubris* Pers. in Gaud. *Voy. Uranie, Bot.* 196. 1826. Dumont d'Urville (1825, nom. nud.), Mirbel (1825, nom. nud.), Müller (1889a), Bitter (1901), Cotton (1915), Zahlbruckner (1917).

Hypogymnia physodes (L.) Nyl. *Lich. Paris* 39. 1896. *Lichen physodes* L. *Sp. Pl.* 1144. 1753. Skottsberg (1913).

Cetraria islandica (L.) Ach. *Meth. Lich.* 293. 1803. *Lichen islandicus* L. *Sp. Pl.* 1145. 1753. Skottsberg (1913), Cotton (1915).

Usneaceae

Cornicularia aculeata (Schreb.) Ach. *Meth. Lich.* 302. 1803. *Lichen aculeatus* Schreb. *Spicil. Fl. Lipsiens.* 125. 1771 (not seen). Mirbel (1825), Gaudichaud (1826), Hooker (1845-47), Nylander (1858-85), Lindsay (1866), Hue (1890-92), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Cornicularia aculeata var. *spadicea* (Roth) Ach. *Syn Lich.* 300. 1814. *Lichen spadiceus* Roth, *Tentam. Fl. Germ.* 1: 514. 1788 (not seen). Dumont d'Urville (1825), Gaudichaud (1826), Zahlbruckner (1917).

Alectoria ochroleuca (Hoffm.) Mass. *Sched. Crit. Lich.* 2: 47. 1855 (not seen). *Lichen ochroleucus* Hoffm. *Enum. Lich.* 43, pl. 6, f. 5. 1784 (non Neck. 1771). Stizenberger (1892), Cotton (1915).

**Ramalina laevigata* Fr. Syst. Orb. Veg. 1: 283. 1825. Müller^H
(1887, 1888b), Zahlbruckner (1917).

**Ramalina laevigata* f. *flaccidissima* (Bory in Dumont d'Urville)
Zahlbr. Cat. Lich. Univ. 6: 495. 1930. *Ramalina sepiacea* f. *flaccidissima*
(Bory in Dumont d'Urville) Nyl. Bull. Soc. Linn. Normandie II. 4:
148. 1870 (first as form, not seen). *Ramalina flaccidissima* Bory in
Dumont d'Urville, Mém. Soc. Linn. Paris 4: 595. 1826 (= Fl. Malouines
24. 1825). Gaudichaud (1826), Müller^H (1889a), Hue (1890-92).

Ramalina linearis (Sw.) Ach. Lich. Univ. 598. 1810. Lichen
linearis Sw. Meth. Muscor. 36, pl. 2, f. 3. 1781 (not seen). Crombie
(1877), Nylander (1888a), Hue (1890-92), Darbshire (1912), Skottsberg
(1913), Cotton (1915), Zahlbruckner (1917).

Ramalina scopulorum (Retz.) Ach. Lich. Univ. 604, pl. 13, f.
6. 1810. Lichen scopulorum Retz. Fasc. Observ. Bot. 4: 30. 1786 (non
Oed. 1777). Hooker (1845-47), Darbshire (1912), Skottsberg (1913),
Cotton (1915), Zahlbruckner (1917).

**Ramalina scopulorum* var. *truncata* Hook. f. Fl. Antarctica 2:
522. 1847.

**Ramalina sepiacea* (Pers. in Gaud.) Nyl. Bull. Soc. Linn.
Normandie II. 4: 146. 1870. *Physcia sepeacea* [sic] Pers. in Gaud.
Voy. Uranie, Bot. 209. 1826. Dumont d'Urville (1825, nom. nud.),
Mirbel (1825, nom. nud.), Nylander (1858-85, 1870), Lindsay (1866),
Müller^H (1889a), Hue (1890-92).

**Ramalina terebrata* Hook. f. & Tayl. London Jour. Bot. 3: 654.
1844. Hooker (1845-47), Lindsay (1861), Cotton (1915).

- **Ramalina verrucosa* Hook. f. & Tayl. London Jour. Bot. 3: 655. 1844.
- Usnea angulata* Ach. Syn Lich. 307. 1814. Cotton (1915).
- Usnea articulata* (L.) Hoffm. Deutschl. Fl. 2: 133. 1796.
- Lichen articulatus* L. Sp. Pl. 1156. 1753. Hooker (1845-47), Cotton (1915), Zahlbruckner (1917).
- Usnea barbata* (L.) G. Web. in Wigg. Prim. Fl. Holsat. 91. 1780. *Lichen barbatus* L. Sp. Pl. 1155. 1753. Hooker & Taylor (1844), Zahlbruckner (1917).
- Usnea condensata* Mot. ex Ras.^h Revista Univers. (Santiago) Chile 21(1): 138. 1936 (not seen). Motyka (1936-38).
- Usnea dasycera* (Nyl. ex Cromb.) Vain. Ann. Soc. Zool.-bot. Fenn. Vanamo 1(3): 32. 1921 (first as species, not seen). *Usnea florida* f. *dasycera* Nyl. ex Cromb. Jour. Linn. Soc. London, Bot. 15: 226. 1876. Hue (1890-92, but Hue probably in error since this was described from Chiloe and he cites no other reference).
- **Usnea* ^{fa/}~~flak~~*landica* Mot. Usnea Monogr. 472. 1938.
- Usnea florida* (L.) G. Web. in Wigg. Prim. Fl. Holsat. 91. 1780. *Lichen floridus* L. Sp. Pl. 1156. 1753. Cotton (1915).
- Usnea lethariiformis* Mot. Usnea Monogr. 12. 1936. Motyka (1936-38), Dodge (1948).
- Usnea malacea* Zahlbr. Cat. Lich. Univ. 6: 586. 1930 (nom. nov. for *Usnea mollis* Stirt. non. Baumg. 1790).
- Usnea malacea* f. *denudata* (Wain.) Zahlbr. Cat. Lich. Univ. 6: 587. 1930. *Usnea barbata* **U. florida* var. *mollis* f. *denudata* Wain. Acta Soc. Fauna Fl. Fenn. 7: 5. 1890 (= Étude Lich. Brésil 1:5. 1890). Cotton (1915).

Usnea plicata (L.) G. Web. in Wigg. Prim. Fl. Holsat. 91. 1780.
Lichen plicatus L. Sp. Pl. 1154. 1753. Hooker & Taylor (1844),
Hooker (1845-47), Zahlbruckner (1917).

Neuropogon aurantiaco-ater (Wulf. in Jacq.) Lamb, Jour. Linn. Soc. London, Bot. 52: 221, pl. 10, f. 23, 1939. Lichen aurantiaco-ater Wulf. in Jacq. Misc. Austr. 2: 369, pl. 11, f. 2. 1781 (not seen). Dumont d'Urville (1825), Gaudichaud (1826), DuRietz (1926), Lamb (1939, 1948a).

Neuropogon strigulosus (Zahlbr.) Lamb, Jour. Linn. Soc. London, Bot. 52: 229, pl. 10, f. 22. 1939. *Usnea strigulosa* (Zahlbr.) Mot. Usnea Monogr. 30. 1936 (first as species). *Usnea melaxantha* var. *subciliata* f. *strigulosa* Zahlbr. Ann. Mycol. 1: 360. 1903 (not seen). Lamb (1958).

**Neuropogon aurantiacus* (Mot.) Lamb, Jour. Linn. Soc. London, Bot. 52: 229. 1939. *Usnea aurantiaca* Mot. Usnea Monogr. 29. 1936. Lamb (1939).

Neuropogon ciliatus (Nyl.) Kremp. Verh. zool.-bot. Ges. Wien 18: 313. 1868 (first as species). *Neuropogon melaxanthus* var. *ciliatus* Nyl. Jour. Linn. Soc. London, Bot. 9: 245. 1866. Lamb (1948a).

*(*Neuropogon*) *flavicans* ... *Cornicularia flavicans* Pers. in Gaud. Voy. Uranie, Bot. 210. 1826. Mirbel (1825, nom. nud.),
" Muller (1889a).

Neuropogon melaxanthus (Ach.) Nyl. Mém. Soc. Sci. Nat. Cherbourg 3: 170. 1855. *Usnea melaxantha* Ach. Meth. Lich. 307. 1803. Dumont d'Urville (1825), Gaudichaud (1826), Hooker & Taylor (1844), Hooker (1845-47), Nylander (1858-85), Lindsay (1866), Crombie (1877), Hue (1890-92), Skottsberg (1913), Cotton (1915), Motyka (1936-38), Lamb (1939, 1948a, 1949).

*(*Neuropogon melaxanthus*) var. *acharii* ... *Usnea melaxantha*
var. α *acharii* Hook. f. Fl. Antarctica 2: 520. 1847.

(*Neuropogon melaxanthus*) var. *fasciata* ... *Usnea melaxantha* var. δ .
fasciata (Torrey) Hook. f. Fl. Antarctica 2: 520. 1847 (first as var.).
Usnea fasciata Torrey, Silliman's Amer. Jour. Sci. Arts 6: 106,
pl. 9. 1823 (not seen). Hooker (1845-47).

**Neuropogon melaxanthus* f. *fibrillifer* Lamb, Lilloa 14: 154. 1948.

*(*Neuropogon melaxanthus*) var. *jacquinii* ... *Usnea melaxantha* var. β .
jacquinii Hook. f. Fl. Antarctica 2: 520. 1847.

**Neuropogon melaxanthus* f. *spadiceus* (Zahlbr.) Lamb, Jour. Linn.
Soc. London, Bot. 52: 228, pl. 9, f. 19. 1939. *Usnea sulphurea* var.
spadicea Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 45. 1917. Motyka
(1936-38), Lamb (1939).

(*Neuropogon*) *sphacelatus* ... *Usnea sphacelata* R. Br. Suppl. to
Append. Capt. Parry's Voy., Nat. Hist. 307. 1824 (not seen). Hooker
(1845-47), Krempelhuber (1870).

**Neuropogon substrigulosus* Lamb, Jour. Linn. Soc. London, Bot.
52: 231, pl. 7, f. 15. 1939.

Neuropogon sulphureus (König^{II} in Olafs. & Povals) Hellb. Bih.
till K. Sv. Vet.-Akad. Handl. 21(III, 13): 21. 1896. Lichen
sulphureus König^{II} in Olafs. & Povals, Reise igion. Island, append.
16. 1772 (non Retz. 1769; not seen). Tuckerman (1875).

(*Neuropogon sulphureus*) var. *normalis* ... *Usnea sulphurea* var.
normalis Wain. Résult. Voy. Belgica, Bot. 11. 1903. Zahlbruckner (1917).

*(*Neuropogon sulphureus*) var. *normalis* f. *activus* ... *Usnea*
sulphurea var. *normalis* f. *activa* Zahlbr. K. Sv. Vet.-Akad. Handl.
57(6): 44. 1917.

Neuropogon trachycarpus Stirt. Scott. Natural. 6: 105. 1881.
Zahlbruckner (1902-15), Darbshire (1912), Skottsberg (1913), Cotton
(1915), Zahlbruckner (1917), Lamb (1948a).

Neuropogon trachycarpus f. *trachycarpoides* (Wain.) Lamb, Jour.
Linn. Soc. London, Bot. 52: 233. 1939. *Usnea trachycarpa* var.
trachycarpoides Wain. Result. Voy. Belgica, Bot. 12, pl. 3, f. 20-
22, pl. 4, f. 31. 1903. Lamb (1939).

Teloschistaceae

**Blastenia dispersa* Dodge, Trans. Amer. Microsc. Soc. 84(4): 504.
1965.

**Caloplaca ambitiosa* (Darb.) Zahlbr. K. Sv. Vet.-Akad. Handl.
57(6): 61. 1917. *Placodium ambitiosum* Darb. Wiss. Ergebn. Schwed.
Sudpolar-Exped. 1901-03. 4(11): 8, pl. 2, f. 13. 1912. Skottsberg
(1913), Cotton (1915), Zahlbruckner (1917).

Caloplaca erythrella (Ach.) Kieffer, Bull. Soc. Hist. Nat.
Metz 67. 1895 (not seen). *Lichen erythrellus* Ach. Lich. Suec. Prod.
43. 1798. Hooker (1845-47), Cotton (1915), Zahlbruckner (1917).

Caloplaca lucens (Nyl. in Cromb.) Zahlbr. Deutsch. Sudpolar-
Exped. 1901-03. 8: 29. 1906. *Placodium lucens* (Nyl. in Cromb.) Nyl.
Lich. Nov. Zeland. 145. 1888 (first as species). *Lecanora elegans*
f. *lucens* Nyl. in Cromb. Jour. Linn. Soc. London, Bot. 15: 184. 1876.
Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

**Caloplaca lucens* var. *striolata* Zahlbr. K. Sv. Vet.-Akad.
Handl. 57(6): 49. 1917.

Caloplaca murorum (Hoffm.) T. Fr. Lich. Scand. 170. 1871. *Lichen*
murorum Hoffm. Enum. Lich. 63, pl. 9, f. 2. 1784 (non Neck. 1771).
Dumont d'Urville (1825), Gaudichaud (1826), Hooker & Taylor (1844),
Hooker (1845-47), Cotton (1915).

Caloplaca murorum var. *miniata* (Hoffm.) T. Fr. Lich. Scand. 170. 1871. *Placodium murorum* var. *miniatum* (Hoffm.) Duby, Bot. Gall. 2: 662. 1830 (first as var.; not seen). *Lichen miniatus* Hoffm. Enum. Lich. 62. 1784 (non L. 1753). Hooker & Taylor (1844), Hooker (1845-47), Darbshire (1912), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Caloplaca pyracea (Ach.) T. Fr. K. Sv. Vet.-Akad. Handl. 7(2): 25. 1867. *Lecidea pyracea* (Ach.) Schultz, Prod. Fl. Stargard. 381. 1806 (first as species; not seen). *Parmelia carina* S. P. *pyracea* Ach. Meth. Lich. 176. 1803.

Caloplaca pyracea var. *holocarpa* (Ehrh. ex Hoffm.) T. Fr. Lich. Scand. 179. 1871. *Parmelia vitellina* ♂. P. *holocarpa* (Ehrh. ex Hoffm.) Ach. Meth. Lich. 177. 1803 (first as var.) *Verrucaria holocarpa* Ehrh. ex Hoffm. Deutschl. Fl. 2: 179. 1796. Dumont d'Urville (1825), Gaudichaud (1826).

Caloplaca sublobulata (Nyl.) Zahlbr. Cat. Lich. Univ. 7: 267. 1931. *Placodium sublobulatu*^m Nyl. Lich. Fueg. Patag. 7. 1887. Santesson (1944).

Xanthoria candelaria (L.) T. Fr. Gen. Heterolich. 61. 1861. *Lichen candelarius* L. Sp. Pl. 1141. 1753. Gaudichaud (1826), Hooker & Taylor (1844), Hooker (1845-47).

Xanthoria lichnea (Ach.) T. Fr. Lich. Scand. 146. 1871 (first as species). *Parmelia candelaria* ♂. P. *lichnea* Ach. Meth. Lich. 187. 1803. Hue (1890-92, report probably in error), Darbshire (1912), Skottsberg (1913), Cotton (1915).

Xanthoria polycarpa (Ehrh. ex Hoffm.) Oliv. Revue de Bot. 12: 96. 1894. *Lobaria polycarpa* Ehrh. ex Hoffm. Deutschl. Fl. 2: 159. 1796. Dumont d'Urville (1825, Mirbel (1825), Gaudichaud (1826), Zahlbruckner (1917).

Teloschistes flavicans (Sw.) Norm. *Nyt Mag. Naturvid.* 7: 229.
1853 (not seen). *Lichen flavicans* Sw. *Nova Gen. Sp. Pl.* 147. 1788.
Zahlbruckner (1917).

Physciaceae

Buellia coniops (Wahlenb. ex Ach.) T. Fr. *Nova Acta Reg. Soc. Sci. Ups.* III. 3: 331. 1861 (= *Lich. Arct.* 231. 1860). *Lecidea coniops* Wahlenb. ex Ach. *Meth. Lich. Suppl.* 8. 1803. Zahlbruckner (1917).

**Buellia discreta* Darb. *Wiss. Ergebn. Schwed. Sudpolar-Exped.* 1901-03. 4(11): 14, pl. 3, f. 25. 1912. Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

**Buellia flaklandica* Darb. *Wiss. Ergebn. Schwed. Sudpolar-Exped.* 1901-03. 4(11): 14, pl. 3, f. 26. 1912. Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

**Buellia lechleri* J. Stein. *Oesterr. Bot. Zeitschr.* 68: 147. 1919.

Buellia punctata (Hoffm.) Mass. *Ricerch. Auton. Lich. Crost.* 81, f. 165. 1852. *Verrucaria punctata* Hoffm. *Deutschl. Fl.* 2: 192. 1796.

Buellia punctata var. *aequata* (Ach.) Zahlbr. *Cat. Lich. Univ.* 7: 400. 1931. *Lecidea coniops* ^{B.} L. *aequata* Ach. *Lich. Univ.* 171. 1810. Zahlbruckner (1917).

**Buellia skottsbergii* J. Stein. & Zahlbr. in *Zahlbr. K. Sv. Vet.-Akad. Handl.* 57 (6): 50. 1917.

Buellia stellulata (Tayl. in Mack.) Mudd, Mann. *Brit. Lich.* 216. 1861. *Lecidea stellulata* Tayl. in Mack. *Fl. Hibern.* 2: 118. 1836. Hooker & Taylor (1844), Zahlbruckner (1917).

Rinodina confragosa (Ach.) ^{B.} Korb. *Syst. Lich. Germ.* 125. 1855.
Parmelia confragosa Ach. *Meth. Lich. Suppl.* 33. 1803. Zahlbruckner (1917).

Rinodina exigua (Ach.) S. Gray, Nat. Arr. Brit. Pl. 1: 450.

1821. *Lichen exiguus* Ach. Lich. Suec. Prod. 69. 1798. Hooker & Taylor (1844), Hooker (1845-47).

**Rinodina philomelensis* Zahlbr. K. Sv. Vet.-Akad. Handl. 57(6): 54. 1917.

Imperfect Lichens

Endocena informis Cromb. Jour. Linn. Soc. London, Bot. 15:

226. 1876. Zahlbruckner (1917).

Lepraria flava (Schreb.) Ach. Lich. Univ. 663. 1810. *Lichen flavus* Schreb. Spicil. Fl. Lipsiens. 139. 1771 (not seen). Hooker & Taylor (1844), Hooker (1845-47), Zahlbruckner (1917).

Thamnomia elegans Del. ex.Nyl. Ann. Sci. Nat., Bot. IV. 11:

211, not. 1859. Nylander (1857, nom. nud.)

**Thamnomia undulata* Nyl. Syn. Lich. 1: 265. 1860. Hue (1890-92), Cotton (1915), Zahlbruckner (1917).

Thamnomia vermicularis (Sw.) Schaer. Enum. Crit. Lich. Eur.

243. 1850. *Lichen vermicularis* Sw. Meth. Musc. 37. 1781.

Hooker & Taylor (1844), Hooker (1845-47), Lindsay (1861), Skottsberg (1913), Cotton (1915), Zahlbruckner (1917).

Thamnomia vermicularis var. *vermicularis*. Motyka (1960).

**Thamnomia vermicularis* var. *rugulosa* (Bory in Dumont d'Urville)

Zahlbr. Cat. Lich. Univ. 6: 610. 1930. *Genomyce vermicularis* var.

rugulosa Bory in Dumont d'Urville, Mem. Soc. Linn. Paris 4: 595. 1826

(= Fl. Malouines 24. 1825). Gaudichaud (1826), Müller (1889a),

Zahlbruckner (1917).

Nomina Nuda and Nomina Dubia

**Arthonia abrothallina* Nyl. Mém. Soc. Sci. Nat. Cherbourg 4: 99. 1856 (nom. nud.) Nylander (1857), Hue (1890-92), Zahlbruckner (1917).

Biatora macloviana Flot. Deutsche Lich. Exs. 61. date? (nom. nud.?; not seen). Cotton (1915).

**Caloplaca murorum* var. *evanescens* (Nyl.) Zahlbr. Cat. Lich. Univ. 7: 254. 1931. *Placodium murorum* var. *evanescens* Nyl. Mém. Soc. Sci. Nat. Cherbourg 5: 111. 1857 (nom. nud.) Hue (1890-92).

Cladonia peltasta f. *pumila* Leight. Ann. Mag. Nat. Hist. 19: 122. 1867 (nom. nud.) Leighton (1867).

Cladonia rangiferina var. *ramulis stramineis* Flot. ex Hariot, Jour. de Bot. 1: 284. 1887 (nom. nud.) Hariot (1887).

Cladonia sylvatica var. *alpestris* f. *pumila* Leight. Ann. Mag. Nat. Hist. 19: 120. 1867 (nom. nud.) Leighton (1867).

Cornicularia aggregata Ach. in Dumont d'Urville, Mém. Soc. Linn. Paris 4: 596. 1826 (= Fl. Malouines 25. 1825) (nom. nud.) Dumont d'Urville (1825), Gaudichaud (1826).

"*Perforaria coccophora* (Mont.) Mull. Arg." Zahlbruckner (1917). If based on *Parmelia coccophora* Mont., this would be known now as *Lepolichen granulatus* (Hook. f. & Tayl.) Mull. Arg. but the latter name is also listed by Zahlbruckner (1917).

Psoroma ciliatum (Ach. ex Fr.) Nyl. in Hue, Nouv. Arch. du Muséum III. 3: 44. 1891 (nom. nud.) *Lecanora ciliata* Ach. ex Fr. Lich. Eur. Ref. 97. 1831 (nom. nud.) Hue (1890-92).

**Sticta gyrosa* Flot. ex Knight, Jour. Linn. Soc. London, Bot. 11: 244. 1871 (nom. nud.).

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