

A Cumulative Checklist for the Lichen-Forming, Lichenicolous and Allied Fungi of the Continental United States and Canada, Version 24

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ABSTRACT. – Version 24 of the checklist of lichen-forming, lichenicolous and allied fungi occurring in North America north of Mexico is presented. It includes a total of 5,823 species in 805 genera, with an additional 38 subspecies, 51 varieties, and 3 forms. The total species number includes 670 lichenicolous fungi, 113 saprophytic fungi related to lichens or to lichenicolous fungi, and another 96 species of varying and/or uncertain biological status.

KEYWORDS. – Canada, floristics, lichens, nomenclature, United States.

INTRODUCTION

This checklist consists of cumulative updates to the most recently published North American checklist (Esslinger 2019). The same style and conventions for listings used there continue to be followed here. Within each genus the accepted names are listed first and are in boldface. Names considered to be synonyms are listed second and are presented in normal font only. Significant changes made since the last version (#23) are given in blue font. As before, the following symbols are used to indicate the lichenicolous fungi and other allied fungi: * = lichenicolous fungi (parasites on living lichens), + = saprophytic fungi related to either lichens or lichenicolous fungi, on various substrates, # = various fungi of odd or uncertain status: e.g.: those which are questionably or weakly lichen-forming; or algicolous/saprophytic; or parasitic when young but saprophytic or lichen-forming when mature; or lichenicolous lichens.

The first North American (north of Mexico) lichen checklist produced by Mason Hale and Bill Culberson in 1956 (*Castanea* 21: 73-105) listed 2,280 species in 193 genera (their count), and included few or no lichenicolous or allied fungi. Almost forty years later, the first checklist version with which I was involved (Esslinger & Egan 1995) reported 3,580 lichen species and another 219 species of lichenicolous and allied fungi, all in 477 genera. The count for this current version (#24) is 5,823 total species in 805 genera, with an additional 38 subspecies, 51 varieties, and 3 forms. The total species number includes 670 lichenicolous fungi (*), 113 saprophytic fungi related to lichens or to lichenicolous fungi (+), and another 96 species of varying and/or uncertain biological status (#).

This list is updated at semi-regular intervals, usually about once every twelve to eighteen months, as changes accumulate in the literature. I would appreciate being informed of any oversights or omissions, and although not all taxonomic or nomenclatural differences of opinion will be easily or immediately settled, any polite opinions that users would like to share will be welcomed and taken under consideration. Additions or changes appearing in this version of the checklist represent reports in the literature, and their presence here does not necessarily imply endorsement by the author. In addition to inviting comments or corrections, it would be very helpful if authors of publications containing additions to the North American lichen biota, or other taxonomic and nomenclatural changes that impact it, would provide me with copies, either paper or electronic. I owe a sincere thank you to the many colleagues who continue to provide suggested corrections and/or additions.

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The first 20 versions of this checklist were published only online (Version #1 dated 1 December 1997 through Version #20 dated 19 April 2015). This version (Version #24, 10 December 2021) like the preceding three (#21, #22 & #23) is being simultaneously published here in *Opuscula Philolichenum* and online at the usual site hosted at North Dakota State University: <http://www.ndsu.edu/pubweb/~esslinge/chcklst/chcklst7.htm>. The purpose of dual publication is to provide a standard formatted journal article that can be cited, to assure permanent archiving of each version, and to facilitate dissemination of the checklist to those outside of the lichenological community via indexing services such as Scopus. Although there are minor organizational differences between the introductory sections of this and the online edition, the bodies of the two editions are identical except for indenting.

CHECKLIST

ABROTHALLUS De Not.

- ***acetabuli** Diederich (Kocourkova et al. 2012)
- ***bertianus** De Not.
- ***bryoriarum** Hafellner
- ***caerulescens** I. Kotte (Diederich 2003)
- ***cladoniae** R. Sant. & D. Hawksw.
- ***eriodermæ** Suija, Etayo & Pérez-Ortega (Suija et al. 2015)
- ***ertzii** Suija, & Pérez-Ortega (Suija et al. 2015)
- ***halei** Pérez-Ortega, Suija, D. Hawksw. & R. Sant. (Suija et al. 2011)
- ***hypotrachynæ** Etayo & Diederich (Lendemer & Knudsen 2008b)
- ***lobariae** (Diederich & Etayo) Diederich & Ertz Syn.: *Phoma lobariae* (Diederich et al. 2018)
- ***microspermus** Tul. (Cole & Hawksworth 2001)
- ***nephromatis** Suija, & Pérez-Ortega (Suija et al. 2015)
- ***parmeliarum** (Sommerf.) Arnold Syn.: *Buellia parmeliarum*
- ***peyritschii** (Stein) I. Kotte
- ***pezizicola** Diederich & R. C. Harris (Diederich 2003)
- ***prodiens** (Harm.) Diederich & Hafellner
- ***secedens** Wedin & R. Sant. (Spribille et al. 2010)
- ***suecicus** (Kirschst.) Nordin (Diederich 2003)
- ***tulasnei** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001) Possible synonym of *A. caerulescens* (Spribille et al 2018)
- ***usneae** Rabenh. (Cole & Hawksworth 2001)
- ***welwitschii** Mont. ex Tul.
- ***cetrariae** I. Kotte (Goward et al. 1996) = *A. parmeliarum* (Diederich et al. 2018)
- ***oxysporus** Tul. = *Nesolechia oxyspora*
- ***usneae** auct. non Rabenh. = *Lichenostigma maureri*

ABSCONDITELLA Vězda

- amabilis** T. Sprib. (Spribille et al. 2009)
- celata** Döbbeler & Poelt (Spribille et al. 2009)
- lignicola** Vězda & Pišút (Nash et al. 1998)
- rosea** Kalb & Aptroot (Spribille et al. 2020)
- sphagnum** Vězda & Poelt
- trivialis** (Willey ex Tuck.) Vězda

ACANTHOTHECIS Clem.

- aurantiaca** (Müll. Arg.) Staiger & Kalb Syns.: *Graphina intertexta*, *Graphis intertexta* (Staiger 2002)
- floridana** Lendemer & R. C. Harris (Lendemer & Harris 2014a)
- floridensis** F. Seavey & J. Seavey (Seavey et al. 2017)
- fontana** Muscavitch & Lendemer (Muscavitch & Lendemer 2016)
- gracilis** Staiger & Kalb (Staiger & Kalb 1999)
- leucopepla** (Tuck.) E. Tripp & Lendemer Syns.: *Graphis leucopepla*, *Graphina abaphoides* (Tripp et al. 2010)

leucoxanthoides Lendemer (Lendemer & Harris 2014a)
mosquitensis (Tuck.) E. Tripp & Lendemer Syn.: *Graphis mosquitensis*, *Graphina subvirginalis* (Tripp et al. 2010)
paucispora Lendemer & R. C. Harris (Lendemer & Harris 2014a)
peplophora (M. Wirth & Hale) E. Tripp & Lendemer Syn.: *Graphina peplophora* (Tripp et al. 2010)
poitaeoides (M. Wirth & Hale) E. Tripp & Lendemer Syn.: *Graphis poitaeoides* (Tripp et al. 2010)
abaphoides (Nyl.) Staiger & Kalb (Staiger & Kalb 1999) = *A. leucopepla*
intertexta (Müll. Arg.) Staiger & Kalb = *A. Aurantiaca*

ACAROCONIUM Kocourk. & D. Hawksw. (Kocourková & Hawksworth 2008)
***punctiforme** Kocourk. & D. Hawksw. (Kocourková & Hawksworth 2008)

ACAROSPORA A. Massal.

affinis K. Knudsen (Knudsen 2007a)
amabilis H. Magn. (Knudsen & Kocourková 2020d, Knudsen et al. 2021d)
americana H. Magn. (Knudsen et al. 2011b)
applanata H. Magn. (Knudsen et al. 2021d)
arenacea H. Magn. (Knudsen & Kocourková 2008a, 2020b)
asahinae H. Magn.
badiofusca (Nyl.) Th. Fr. Syn.: *Sarcogyne athrocarpa* (Knudsen & Kocourková 2013)
bolleana (H. Magn.) K. Knudsen, J. N. Adams, Kocourk. & Y. Wang Syn.: *Sarcogyne bolleana* (Knudsen et al. 2020)
boulderensis H. Magn. (Knudsen et al. 2014b; McCune et al. 2014b)
brattiae K. Knudsen (Knudsen 2007a)
brodoana K. Knudsen, Kocourk. & M. Westb. (Knudsen et al. 2016)
brouardii B. de Lesd. (Knudsen 2007a, Knudsen et al. 2008a)
brucei K. Knudsen & Kocourk. (Knudsen & Kocourková 2018b)
bullata Anzi (Brinker & Knudsen 2019) Previous reports for N.A. were in error (Knudsen et al. 2010)
calcarea K. Knudsen (Knudsen 2007a)
carnegiei Zahlbr. (Knudsen et al. 2021d)
chrysops (Tuck.) H. Magn. (Knudsen et al. 2008a)
clauzadeana (Llimona) Casares & Hafellner Syn.: *Biatorella clauzadeana*
coloradiana H. Magn.
contigua H. Magn. (Brodo et al. 2001, Knudsen 2007a)
elevata H. Magn.
epilutescens Zahlbr. (Knudsen 2005a)
erratica K. Knudsen & Kocourk. (Knudsen & Kocourková 2018b)
erythrophora H. Magn. (Knudsen 2007a)
fuscata (Schrader) Arnold
fuscescens H. Magn.
glaucocarpa (Ach.) Körber Syn.: *Lecanora glaucocarpa*, *L. glaucocarpa* var. *verrucosa*
gyrocarpa (H. Magn.) K. Knudsen & M. Westb. Syn.: *Polysporina gyrocarpa*, *Sarcogyne gyrocarpa*, *S. oligospora* (Knudsen et al. 2017)
heufferiana Körber
hilaris (Dufour) Hue
impressula Th. Fr.
#interjecta H. Magn.
janae K. Knudsen (Lumbsch et al. 2011)
lendemeri K. Knudsen & Kocourk. Syn.: *Sarcogyne sphaerospora* (Knudsen & Kocourková 2020c)
maccarthyi K. Knudsen & Kocourk. (Knudsen & Kocourková 2015)
macrospora (Hepp ex Nyl.) A. Massal. ex Bagl.
moenium (Vainio) Räsänen (Nordin et al. 2009)

molybdina (Wahlenb.) Trevisan
#nashii K. Knudsen (Knudsen 2011a)
nevadensis H. Magn.
nicolai B. de Lesd. (Knudsen & Morse 2009)
nodulosa (Dufour) Hue var. **nodulosa**
novomexicana H. Magn. (Knudsen 2007a)
obnubila H. Magn.
obpallens (Nyl. ex Hasse) Zahlbr. Syn.: *Lecanora obpallens*
oligospora (Nyl.) Arnold
orcuttii K. Knudsen (Knudsen 2010 [2011])
organensis K. Knudsen, Kocourk., Hodková & Y. Wang (Knudsen et al. 2021d)
piedmontensis K. Knudsen (Knudsen et al. 2011b)
privigna (Ach.) A. Schneider Syn.: *Biatorella revertens*, *B. simplex*, *Lecanora privigna*, *L. privigna* var. *revertens*, *Polysporina simplex*, *Sarcogyne simplex* (Knudsen et al. 2021b)
radicata H. Magn. (Knudsen & Kocourková 2020d)
robiniae K. Knudsen (Knudsen 2007a)
rosulata (Th. Fr.) H. Magn. (Knudsen et al. 2010)
rouxii K. Knudsen, Elix & Reeb (Knudsen 2007a, Knudsen et al. 2008a)
rugulosa Körber
saepincola H. Magn.
schleicheri (Ach.) A. Massal. Syn.: *Lecanora schleicheri*
scotica Hue
#scottii K. Knudsen & Kocourk. (Knudsen & Kocourková 2020b)
sinopica (Wahlenb.) Körber Syn.: *Lecanora fuscata* var. *sinopica*
socialis H. Magn.
sparsa H. Magn.)
squamulosa (Schrader) Trevisan (Knudsen et al. 2019)
#stapfiana (Müll. Arg.) Hue
strigata (Nyl.) Jatta
***subfuscescens** (Nyl.) H. Magn. Syn.: *Polysporina subfuscescens*, *Sarcogyne bicolor* p.p., *S. lapponica* auct. p.p. (Knudsen et al. 2021b)
succedens H. Magn.
superfusa H. Magn. (Lendemmer & Knudsen 2011)
tenebrica H. Magn. (Knudsen et al. 2021d)
thamnina (Tuck.) Herre Syn.: *Lecanora cervina* var. *thamnina*
thelococcoides (Nyl.) Zahlbr. Syn.: *Lecanora thelococcoides*, *L. pleiospora*, *L. pleistospora*
tintickiana St. Clair, Newberry & S. Leavitt (Leavitt et al. 2018)
toensbergii K. Knudsen & Kocourk. (Knudsen & Kocourková 2017)
tuckeriae K. Knudsen (Knudsen 2007a)
veronensis A. Massal.
aeruginosa Hasse = *Caeruleum heppii*
albida H. Magn. = *A. epilutescens*
albomarginata (Herre) G. Salisb. = *A. elevata* (Knudsen 2007a)
amphibola Wedd. = *Myriospora smaragdula*
amphibola sensu auct. = *Myriospora rhagadiza*
**arenacea* H. Magn. = *Polysporina arenacea* (Knudsen & Kocourková 2008a)
arenosa Herre = *Sarcogyne arenosa*
asperata H. Magn. = *A. boulderensis* (Kocourková et al. 2014b)
bella (Nyl.) Jatta = *A. rhabarbarina* (Knudsen et al. 2008a), but a misidentification for North America (Knudsen & Kocourková 2012a)
caesiofusca (Müll. Arg.) H. Magn. = *A. nicolai*
californica Zahlbr. = *A. badiofusca* (Knudsen 2007a)
canadensis H. Magn. = *Sarcogyne canadensis* (Knudsen et al. 2020)
cartilaginea H. Magn. = *A. fuscata*
cervina A. Massal. Not known to occur in N.A. (Knudsen & Kocourková 2020c)
chlorophana (Wahlenb.) A. Massal. = *Pleopsidium chlorophanum*

cineracea (Nyl.) Wedd. = misidentification for North America
 cinereoalba (Fink) H. Magn. = *A. americana* (Knudsen et al. 2011b)
 citrina (Taylor) Zahlbr. = misidentification for North America (Knudsen & Flakus 2016)
 complanata H. Magn. North American report is *A. brucei* (Knudsen & Kocourková 2018b)
 desolata H. Magn. = *Sarcogyne desolata*
 dispersa H. Magn. = *Trimmatothelopsis dispersa*
 dissipata H. Magn. = *A. schleicheri*
 evoluta H. Magn. = *A. socialis* (Knudsen 2007a)
 flava (Bellardi) Ach. = *Pleopsidium flavum*
 gallica H. Magn. = *A. janae* for North American reports (Knudsen et al. 2011b)
 geogena H. Magn. = *A. nodulosa* (Knudsen 2007a)
 geophila H. Magn. = *A. nodulosa*
 glebosa (Flotow) Körber = *A. oligospora*
 hassei Herre (Knudsen 2007a) = *Myriospora hassei* (Arcadia & Knudsen 2012)
 heppii (Nägeli ex Hepp) Nägeli ex Körber = *Caeruleum heppii*
 immersa Fink = *Caeruleum immersum*
 incertula H. Magn. = *A. novomexicana* (Knudsen 2007a)
[instrata H. Magn. = *A. carnegiei* \(Knudsen et al. 2021d\)](#)
 intercedens H. Magn. = *A. socialis* (Knudsen & Lendemer 2005b)
 interposita H. Magn. = *A. thamnina* (Knudsen 2007a)
 interspersa H. Magn. = *A. succedens* (Knudsen 2011a)
 lapponica (Ach. ex Schaerer) Th. Fr. = *Sarcogyne lapponica* (see note there)
 *lapponica auct. N.A. = *Polysporina subfuscescens*
 montana H. Magn. = *A. rugulosa*
 nigromarginata B. de Lesd. = *A. strigata* (Knudsen 2007a)
 nitida H. Magn. (Weber & Wittman 2000) = *A. elevata* for North American records (Knudsen 2007a)
 nodulosa (Dufour) Hue var. *reagens* Zahlbr. = *A. nodulosa*
 obscura H. Magn. = *A. veronensis* for N.A. (Knudsen 2007a, Knudsen & Kocourková 2018)
 ocellata H. Magn. = *A. schleicheri*
[oreophila K. Knudsen \(Knudsen 2007a\) = *Trimmatothelopsis oreophila* \(Knudsen et al. 2021c\)](#)
 oxytona (Ach.) A. Massal. = *Pleopsidium flavum*
 particularis H. Magn. = *Myriospora hassei* (Knudsen 2007a, Arcadia & Knudsen 2012)
 peliocypha (Wahlenb.) Th. Fr. (“peliscypha”) = *A. squamulosa* (Knudsen et al. 2019)
 peltastica Zahlbr. = *A. strigata* (Knudsen & Lendemer 2005b)
 peltata Hasse = *A. strigata* (Knudsen 2007a)
 pleiospora (Nyl.) Hasse. = *A. thelococcoides* (Lendemer 2004a)
 pleistospora (Nyl.) Hasse = *A. thelococcoides* (Lendemer 2004a)
 pyrenopsoides H. Magn. = misidentification for North America (Knudsen & Kocourková 2010a)
 reagens Zahlbr. = *A. nodulosa* (Knudsen 2007a)
 rhabarbarina Hue (Knudsen et al. 2008a) = misidentification for North America (Knudsen & Kocourková 2012a)
 rhagadiosa (Ach.) Th. Fr. = *Glypholecia scabra*
 rimulosa H. Magn. = *A. socialis* (Knudsen 2007a)
 rubicunda H. Magn. = *A. heufleriana* (Knudsen 2007a)
 rufescens (Ach.) Bausch = *Myriospora smaragdula*
 saxicola Fink = *Glypholecia scabra*
 scabra (Pers.) Th. Fr. = *Glypholecia scabra*
 scabrida Hedl. ex H. Magn. = *Myriospora scabrida*
 smaragdula (Wahlenb.) A. Massal. = *Myriospora smaragdula*
 smaragdula var. *lesdainii* (Harm. ex A.L. Smith) H. Magn. (Knudsen 2004a) = *Myriospora smaragdula*
[sphaerosperma R. C. Harris & K. Knudsen \(Knudsen et al. 2011b\) = *Trimmatothelopsis sphaerosperma* \(Knudsen et al. 2021c\)](#)
 squamulosa (Schrader) Trevisan = *A. macrospora* (Knudsen 2007a)
 squamulosa sensu Th. Fr. = *A. macrospora*

stenospora (Stizenb.) Hue = *Pleopsidium flavum*
 subalbida H. Magn. = *A. socialis* (Knudsen & Lendemer 2005b)
 subcontigua H. Magn. = *A. schleicheri*
 subrufula (Nyl.) H. Olivier (McCune et al. 1997) Report based on a specimen of *Myriospora smaragdula* (Knudsen 2007b)
 superfusa H. Magn. = *A. americana* (Lendemer & Knudsen 2011, Knudsen et al. 2011b)
 terricola H. Magn. = *Trimmatothelopsis terricola* (Knudsen & Lendemer 2016)
 texana H. Magn. = *Pleopsidium chlorophanum*
 thermophila Herre = *A. thamnina* (Knudsen 2007a)
 tongletii Hue Not known from N.A. (Knudsen & Kocourková 2020c)
 tucsonensis H. Magn. = *A. carnegiei* Zahlbr. (Knudsen et al. 2021d)
 umbilicata Bagl. (Harris & Ladd 2005) North American records are *Acarospora nicolai* (Knudsen et al. 2011b)
 utahensis H. Magn. = *A. strigata* (Knudsen & Lendemer 2005b)
 variegata H. Magn. = *A. tongleti*
 washingtonensis H. Magn. = *A. elevata* (Knudsen 2007a)
 weldensis H. Magn. = *Pleopsidium chlorophanum*
 xanthophana (Nyl.) Jatta = misidentification for North America (Knudsen 2008a)

ACOLIUM (Ach.) Gray (Prieto & Wedin 2017)

chloroconium Tuck. Syn.: *Cyphelium chloroconium*
inquinans (Sm.) A. Massal. Syn.: *Cyphelium inquinans*
karelicum (Vainio) M. Prieto & Wedin Syn.: *Cyphelium karelicum*
***sessile** (Pers.) Arnold Syns.: *Calicium sessile*, *Cyphelium sessile*
 bolanderi Tuck. (Tuckerman 1888) = *Thelomma mammosum*
 carolinianum Tuck. = *Calicium carolinianum*
 sancti-jacobi Tuck. (Tuckerman 1888) = *Texosporium sancti-jacobi*
 tympanellum (Ach.) Gray = *Acolium inquinans*

ACREMONIUM Link

***strictum** W. Gams (Spribille et al. 2010)

ACROCORDIA A. Massal.

cavata (Ach.) R. C. Harris Syn.: *Arthopyrenia cavata*
conoidea (Fr.) Körber Syn.: *Arthopyrenia conoidea*
gemmata (Ach.) A. Massal. Syns.: *Arthopyrenia gemmata*, *A. alba*, *A. sphaeroides* (Lendemer & Harris 2014b)
megalospora (Fink) R. C. Harris Syns.: *Arthopyrenia macrospora*, *A. finkii*, *Pyrenula megalospora*

ACROSCYPHUS Lév.

sphaerophoroides Lév.

ACTINOGYRA Schol. = **UMBILICARIA**

muhlenbergii (Ach.) Schol. = *Umbilicaria muhlenbergii*
muhlenbergii var. **alpina** (Tuck.) Llano = *Umbilicaria muhlenbergii*
polyrrhiza (L.) Schol. = *Umbilicaria polyrrhiza*

ADELOCOCCUS Theissen & Sydow

***alpestris** (Zopf) Theissen & Sydow

ADELOLECIA Hertel & Hafellner

kolaensis (Nyl.) Hertel & Rambold Syn.: *Lecidea conferenda*
pilati (Hepp) Hertel & Hafellner Syns.: *Lecidea pilati*, *L. lyngeana*, *L. subauriculata* Lynge non B. de Lesd.
sonorae Hertel (Hertel 2004)

AGONIMIA Zahlbr.

- allobata** (Stizenb.) P. James (Fryday 2001)
- flabelliformis** Halda, Czarnota & Guzow-Krzemińska (Waters & Lendemer 2019)
- gelatinosa** (Ach.) M. Brand & Diederich Syn.: *Polyblastia gelatinosa* (Sérusiaux et al. 1999)
- opuntiella** (Buschardt & Poelt) Vězda (Lendemer 2004c)
- tristicula** (Nyl.) Zahlbr. Syn.: *Polyblastia tristicula*
- vouauxii** (B. de Lesd.) M. Brand & Diederich (Freebury 2014)

AGRESTIA J. W. Thomson = **CIRCINARIA**

- cyphellata* J. W. Thomson = *Circinaria hispida*
- hispida* (Mereschk.) Hale & W. L. Culb. = *Circinaria hispida*

AGYRIUM Fr.

- +rufum** (Pers.) Fr.
- carneolum* Tuck. non (Corda) Rabenh. (Tuckerman 1888) Identity uncertain

AGYROPHORA (Nyl.) Nyl. = **UMBILICARIA**

- leiocarpa* (DC.) Gyelnik = *Umbilicaria leiocarpa*
- lyngei* (Schol.) Llano = *Umbilicaria lyngei*
- rigida* (Du Rietz) Llano = *Umbilicaria rigida*
- scholanderi* Llano = *Umbilicaria scholanderi*

AHLESIA Fuckel = **THELOCARPON**

- sphaerospora* (H. Magn.) G. Salisb. = *Thelocarpon sphaerosporum*

AHTIANA Goward

- aurescens** (Tuck.) A. Thell & Randle Syn.: *Cetraria aurescens*, *Tuckermannopsis aurescens* (Thell et al. 1995)
- pallidula** (Tuck. ex Riddle) Goward & A. Thell Syn.: *Cetraria pallidula*, *Tuckermannopsis pallidula* (Thell et al. 1995)
- sphaerosporella** (Müll. Arg.) Goward Syn.: *Parmelia sphaerosporella*

AINOA Lumbsch & I. Schmitt (Lumbsch et al. 2001)

- bella** Brodo & Lendemer (Brodo & Lendemer 2015)
- mooreana* (Carroll) Lumbsch & I. Schmitt Misidentification for North America (Brodo & Lendemer 2015)

ALBEMARLEA Lendemer & R. C. Harris (Lendemer et al. 2016c)

- pamlicoensis** Lendemer & R. C. Harris

ALECTORIA Ach.

- fallacina** Motyka
- imshaugii** Brodo & D. Hawksw.
- lata** (Taylor) Lindsay
- ochroleuca** (Hoffm.) A. Massal.
- sarmentosa** (Ach.) Ach.
- sorediosa** (Lång ex Räsänen) McMullin & Lendemer (McMullin et al. 2016)
- vancouverensis** (Gyelnik) Gyelnik ex Brodo & D. Hawksw.
- vexillifera** (Nyl.) Stizenb. (McMullin et al. 2016)
- abbreviata* (Müll. Arg.) R. Howe = *Nodobryoria abbreviata*
- achariana* Gyelnik = *Bryoria pseudofuscescens*
- altaica* (Gyelnik) Räsänen = *Bryoria nadvornikiana*
- ambigua* Motyka = *Bryoria ambigua*
- americana* Motyka = *Bryoria americana*
- bicolor* (Ehrh.) Nyl. = *Bryoria bicolor*

boryana Delise = *Gowardia nigricans*
 californica (Tuck.) G. Merr. = *Kaernefeltia californica*
 cana (Ach.) Leighton = *Bryoria fuscescens* (Boluda et al. 2018), but N.A. records are *B. pseudofuscescens*
 canadensis Motyka = *Bryoria trichodes* subsp. *trichodes*
 capillaris (Ach.) Crombie = *Bryoria fuscescens* (Boluda et al. 2018), many N.A. records are *B. pseudofuscescens*
 cervinula Motyka = *Bryoria cervinula*
 cetrariza Nyl. = *Kaernefeltia californica*
 chalybeiformis (L.) Gray = *Bryoria fuscescens*
 corneliae Gyelnik = *Bryoria fremontii*
 delicata Motyka = a nomen nudum = *Bryoria trichodes* subsp. *trichodes*
 divergens (Ach.) Nyl. = *Bryocaulon divergens*
 fremontii Tuck. = *Bryoria fremontii*
 fuscescens Gyelnik = *Bryoria fuscescens*
 gowardii Lumbsch (Lumbsch & Huhndorf 2010) = *Gowardia arctica*
 glabra Motyka = *Bryoria glabra*
 haynaldii Gyelnik = misidentification for North America
 implexa (Hoffm.) Nyl. = *Bryoria fuscescens* (Boluda et al. 2018), many N.A. records are *B. pseudofuscescens*
 irvingii Llano = *Bryoria nitidula*
 jubata (L.) Ach. Commonly confused and misused name applied to various pendent species of *Bryoria* (Brodo & Hawksworth 1977)
 lanea auct. non (Hoffm.) Vainio = *Bryoria nitidula*
 lanestrus (Ach.) Gyelnik = *Bryoria fuscescens* (Velmala et al. 2014; Boluda et al. 2018)
 luteola Mont. = *A. sarmentosa*
 minuscula (Nyl. ex Arnold) Degel. = *Pseudephebe minuscula*
 nadvornikiana Gyelnik = *Bryoria nadvornikiana*
 nana Motyka = a nomen nudum = *Bryoria simplicior*
 nidulifera Norrlin = *Bryoria furcellata*
 nigricans (Ach.) Nyl. = *Gowardia nigricans*
 nitidula (Th. Fr.) Vainio = *Bryoria nitidula*
 norstictica Motyka = a nomen nudum = *Bryoria pseudofuscescens*
 ochroleuca var. *cinninata* (Fr.) Nyl. (Tuckerman 1882) = *A. vexillifera*
 ochroleuca var. *osteina* Nyl. (Tuckerman 1882) = *A. ochroleuca*
 ochroleuca var. *rigida* (Fr.) Th. Fr. (Tuckerman 1882) = *A. ochroleuca*
 oregana Tuck. = *Nodobryoria oregana*
 positiva (Gyelnik) Motyka = *Bryoria fuscescens*
 pseudofuscescens Gyelnik = *Bryoria pseudofuscescens*
 pubescens (L.) R. Howe = *Pseudephebe pubescens*
 sarmentosa subsp. *vexillifera* (Nyl.) D. Hawksw. = *A. vexillifera* (McMullin et al. 2016)
 setacea (Ach.) Motyka = *Bryoria pseudofuscescens* for North American records
 simplicior (Vainio) Lyngé = *Bryoria simplicior*
 stigmata Bystrek = *A. sarmentosa*
 subcana (Nyl. ex Stizenb.) Gyelnik = *Bryoria fuscescens* (Velmala et al. 2014)
 subdivergens E. Dahl = *Nodobryoria subdivergens*
 subsarmentosa Stirton = *A. sarmentosa*
 subtilis Motyka = a nomen nudum = *Bryoria pseudofuscescens*
 tenerrima Motyka = *Bryoria fremontii*
 tenuis E. Dahl = *Bryoria tenuis*
 thrausta Ach. = *Ramalina thrausta*
 tortuosa G. Merr. = *Bryoria fremontii*
 virens auct. = *Bryoria fremontii* for North American records

ALLANTOPARMELIA (Vainio) Essl.

almquistii (Vainio) Essl. Syn.: *Parmelia almquistii*

alpicola (Th. Fr.) Essl. Syn.: *Parmelia alpicola*, *P. encausta* var. *alpicola*
sibirica (Zahlbr.) Essl. (Spribille et al. 2009a)

ALLARTHONIA (Nyl.) Zahlbr.
caesia Flotow = *Chrysothrix caesia*

ALLOCALICIUM M. Prieto & Wedin (Prieto & Wedin 2017)
adaequatum (Nyl.) M. Prieto & Wedin Syn.: *Calicium adaequatum*, *C. hemisphaericum*

ALLOCETRARIA Kurokawa & Lai
madreporiformis (Ach.) Kärnefelt & A. Thell Syn.: *Cetraria madreporiformis*, *Dactylina madreporiformis*, *Dufourea madreporiformis* (Kärnefelt & Thell 1996)
stracheyi (Bab.) Kurok. & M. J. Lai (Thell et al. 2009)
cucullata (Bellardi) Randle & Saag = *Flavocetraria cucullata*
nivalis (L.) Randle & Saag = *Flavocetraria nivalis*
oakesiana (Tuck.) Randle & A. Thell = *Usnocetraria oakesiana*

ALLOGRAPHA Chevall. (Lücking & Kalb 2018)
acharii (Fée) Lücking & Kalb Syn.: *Graphina acharii*, *Graphis acharii* (Kalb et al. 2018) Presence in N.A. uncertain (Tripp et al. 2010)
argentata (Lücking & Umaña) Lücking & Kalb Syn.: *Graphis argentata* (Lücking et al. 2011b, Lücking & Kalb 2018)
elongata (Zenker) Lücking & Kalb Syn.: *Graphis elongata* (Seavey et al. 2017, Kalb et al. 2018)
longula (Kremp.) Lücking & Kalb Syn.: *Graphis longula* (Lücking et al. 2011b, Lücking & Kalb 2018)
lumbricina (Vainio) Lücking & Kalb Syn.: *Graphis lumbricina* (Lücking & Kalb 2018)
pavoniana (Fée) Lücking & Kalb Syn.: *Graphis pavoniana* (Kalb et al. 2018) N.A. reports uncertain (Lendemer 2010b)
pseudocinerea (Lücking) Lücking & Kalb Syn.: *Graphis pseudocinerea* (Lücking et al. 2011b, Lücking & Kalb 2018)
rimulosa (Mont.) Lücking & Kalb Syn.: *Graphis rimulosa* (Kalb et al. 2018)
sterlingiana (E. Tripp & Lendemer) Lücking & Kalb Syn.: *Graphis sterlingiana* (Lendemer et al. 2013, Lücking & Kalb 2018)
subamylacea (Zahlbr.) Lücking & Kalb Syn.: *Graphis subamylacea* (Lücking & Kalb 2018)
subflexibilis (Lücking & Chaves) Lücking & Kalb Syn.: *Graphis subflexibilis* (Lücking et al. 2011b; Lücking & Kalb 2018)
tamiamiensis (Lendemer) Lücking & Kalb Syn.: *Graphis tamiamiensis* (Lendemer 2010b, Lücking & Kalb 2018)
xanthospora (Müll. Arg.) Lücking & Kalb Syn.: *Graphis xanthospora* (Lücking et al. 2011b, Kalb et al. 2018)

ALYXORIA Ach. (Ertz & Tehler 2011)
bicolor (R. C. Harris & Lendemer) Ertz & Tehler (Ertz & Tehler 2011) Syn.: *Opegrapha bicolor*
culmigena (Libert) Ertz Syn.: *Opegrapha herbarum* (Spribille et al. 2020)
mougeotii (A. Massal.) Ertz, Frisch & G. Thor Syn.: *Opegrapha mougeotii* (Frisch et al. 2014)
ochrocheila (Nyl.) Ertz & Tehler (Ertz & Tehler 2011) Syn.: *Opegrapha ochrocheila*
varia (Pers.) Ertz & Tehler (Ertz & Tehler 2011) Syn.: *Opegrapha diaphora*, *O. varia*

AMANDINEA M. Choisy ex Scheid. & H. Mayrhofer
***adjuncta** (Th. Fr.) Hafellner Syn.: *Buellia adjuncta* (Hafellner 2004b)
cacuminum (Th. Fr.) H. Mayrhofer & Sheard Syn.: *Rinodina cacuminum* (Mayrhofer & Sheard 2002)
coniops (Wahlenb.) M. Choisy ex Scheid. & H. Mayrhofer Syn.: *Buellia coniops*
dakotensis (H. Magn.) P. May & Sheard Syn.: *Rinodina dakotensis*, *R. finkii*, *R. inaequalis*, *R. pennsylvanica*, *R. pyriformis*, *R. subplumbea*, *R. subpyriformis*. (Sheard & May 1997)

efflorescens (Müll. Arg.) Marbach (Marbach 2000)
endachroa (Malme) Marbach (Lücking et al. 2011bb)
langloisii Imshaug ex Marbach (Marbach 2000) Syn.: *Buellia langloisii*
leucomela (Imshaug) P. May & Sheard Syn.: *Buellia leucoemela* (Sheard & May 1997)
lignicola Tønsberg & Nordin (Tønsberg et al. 2012)
milliaria (Tuck.) P. May & Sheard Syn.: *Rinodina milliaria* (Sheard & May 1997)
polyspora (Willey) E. Lay & P. May Syn.: *Buellia myriocarpa* var. *polyspora*, *B. polyspora*, *B. punctata* var. *polyspora* (Sheard & May 1997)
punctata (Hoffm.) Coppins & Scheid. Syn.: *Buellia punctata*, *B. myriocarpa*
subduplicata (Vainio) Marbach (Marbach 2000)
submontana Marbach (Marbach 2000)
 insperata (Nyl.) H. Mayrhofer & Sheard (Lendemer et al. 2008c) = *Orcularia insperata* (Kalb & Giralt 2012)
 placodiomorpha (Vainio) Marbach (Marbach 2000) = *Orcularia placodiomorpha* (Kalb & Giralt 2012)
 turgescens (Nyl.) Marbach (Marbach 2000) = [Monerolechia badia](#) (Diederich et al. 2018; Bungartz & Nash 2004c)

AMELIELLA Fryday & Coppins (Fryday & Coppins 2008)
andreaicola Fryday & Coppins

AMEROCONIUM U. Braun & Zhurb.
 ***cladoniae** U. Braun & Zhurb. (Zhurbenko & Braun 2013)

AMEROSPORIOPSIS Petr.
 ***phaeographidis** Diederich & Common (Diederich et al. 2019)

AMPHILOMA Nyl.
 lanuginosum (Ach.) Nyl. = *Lepraria membranaceum*

AMPHISPHAERIA Ces. & De Not.
 +**bufonia** (Berk. & Broome) Ces. & De Not. (Perlmutter et al. 2017)

AMPLIOTREMA Kalb ex Kalb
auratum (Tuck.) Kalb ex Kalb (Seavey et al. 2014)

AMPULLIFERA Deighton
 ***foliicola** Deighton (Diederich et al. 2019)

AMYGDALARIA Norman
consentiens (Nyl.) Hertel, Brodo & Mas. Inoue
continua Brodo & Hertel
elegantior (H. Magn.) Hertel & Brodo Syn.: *Huilia elegantior*, *Lecidea elegantior*
haidensis Brodo & Hertel
panaeola (Ach.) Hertel & Brodo Syn.: *Biatora panaeola*, *Lecidea panaeola*, *Huilia panaeola*
pelobotryon (Wahlenb.) Norman Syn.: *Lecanora pelobotrya*, *Aspicilia pelobotrya*, *Lecidea pelobotrya*, L. "pelobotrion"
subdissentiens (Nyl.) Mas. Inoue & Brodo

ANAMYLOPSORA Timdal
pulcherrima (Vainio) Timdal Syn.: *Lecidea pulcherrima*, *Psora pulcherrima*

ANAPTYCHIA Körber
bryorum Poelt
crinalis (Schaerer) Vězda (Esslinger 2007) Syn.: *Physcia ciliaris* var. *crinalis*
elbursiana (Szatala) Poelt (Esslinger 2002a) Syn.: *Physconia thomsonii*

palmulata (Michaux) Vainio Syn.: *Physcia detonsa*, *Psoroma palmulata*
ulothricoides (Vainio) Vainio
appalachensis Kurok. = *Heterodermia appalachensis*
aquila (Ach.) A. Massal. North American records = *A. palmulata*
boryi (Feé) A. Massal. = *Heterodermia boryi*
casarettiana A. Massal. = *Heterodermia casarettiana*
chondroidea (W. A. Weber & D. D. Awasthi) Kurok. = *Heterodermia chondroidea*
ciliaris (L.) Körber = misidentification for North America
comosa (Eschw.) A. Massal. North American records = *Heterodermia galactophylla*
corallophora (Taylor) Lynge = *Heterodermia crocea* (for North American records)
dendritica (Pers.) Vainio = *Heterodermia dendritica*
diademata (Taylor) Kurok. = *Heterodermia diademata*
domingensis (Ach.) A. Massal. = *Heterodermia albicans*
echinata (Taylor) Kurok. = *Heterodermia echinata*
erinacea (Ach.) Trevisan = *Heterodermia erinacea*
galactophylla (Tuck.) Trevisan = *Heterodermia galactophylla*
granulifera (Ach.) A. Massal. = *Heterodermia granulifera*
heterochroa Vainio = *Heterodermia obscurata*
hypoleuca (Muhl.) A. Massal. = *Heterodermia hypoleuca*
hypoleuca (Muhl.) A. Massal. var. *colorata* Zahlbr. = *Heterodermia obscurata*
isidiza Kurok. (Yoshimura & Sharp 1973) = *A. isidiata* Tomin, but a misidentification for North America (Esslinger 2007)
kaspica Gyelnik = *A. setifera*, but North American reports are *A. crinalis*
leucomela (L.) A. Massal. = *Heterodermia leucomela*
"leucomelaena" auct. = *Heterodermia leucomela*
major (Nyl.) Vainio = misidentification for North America
neoleucomelaena Kurok. = *Heterodermia boryi*
obscurata (Nyl.) Vainio = *Heterodermia obscurata*
"palmatula" auct. = *A. palmulata*
pseudospeciosa Kurok. = *Heterodermia pseudospeciosa*
pseudospeciosa Kurok. var. *tremulans* (Müll. Arg.) Kurok. = *Heterodermia speciosa*
ravenelii (Tuck.) Zahlbr. = *Heterodermia albicans*
setifera Räsänen North American reports are *A. crinalis*
sorediifera (Müll. Arg.) Du Rietz & Lynge = *Heterodermia obscurata*
speciosa (Wulfen) A. Massal. = *Heterodermia speciosa*
squamulosa Degel. = *Heterodermia squamulosa*
stippaea (Ach.) Nádv. = *A. bryorum*
tropica Kurok. = *Heterodermia tropica*
wrightii (Tuck.) Zahlbr. North American report (Tuckerman 1882) is *Heterodermia diademata* (Esslinger & Tucker 2009)

ANDREIOMYCES Hodkinson & Lendemer (Hodkinson & Lendemer 2013)

moroizianus (Lendemer) Hodkinson & Lendemer Syn.: *Lepraria moroizianus*

ANEMA Nyl. ex Forssell

progidulum (Nyl.) Henssen (Schultz 2002a)
dodgei Herre = *Heppia despreauxii* (Schultz 2007b)
jenisejensis H. Magn. = misidentification for North America

ANISOMERIDIUM (Müll. Arg.) M. Choisy

albisedum (Nyl.) R. C. Harris Syn.: *Ditremis albiseda*
ambiguum (Zahlbr.) R. C. Harris Syn.: *Arthopyrenia ambigua*, *Ditremis ambigua*
anisolobum (Müll. Arg.) Aptroot Syn.: *Arthopyrenia anisoloba*, *Ditremis anisoloba*
aureopunctatum R. C. Harris Syn.: *Ditremis macrospora* R. C. Harris non Makhija & Patwardhan (Harris 1995a)
biforme (Borrer) R. C. Harris Syn.: *Arthopyrenia biformis*, *A. parvula*, *A. conformis* auct. N.

Am., *Ditrems biformis*, *Trimmatothele umbellulariae*
biformoides R. C. Harris (Harris 1995a)
carinthiacum (J. Steiner) R. C. Harris Syn.: *Arthopyrenia carinthiaca*, *A. dimidiata*, *Ditrems carinthiaca*
distans (Willey) R. C. Harris Syn.: *Arthopyrenia distans*, *Ditrems distans*
excaecariae (Müll. Arg.) R. C. Harris Syn.: *A. sanfordense*, *Arthopyrenia sanfordensis*, *Ditrems sanfordensis* (Harris 1995a)
finkii (R. C. Harris) R. C. Harris Syn.: *Ditrems finkii* (Harris 1995a)
griffinii R. C. Harris (Harris 1995a)
leucochlorum (Müll. Arg.) R. C. Harris Syn.: *Arthopyrenia leucochlora*, *Ditrems leucochlora*
[Ditrems macrospora R. C. Harris]
phaeospermum R. C. Harris (Harris 1995a)
polypori (Ellis & Everh.) M. E. Barr Syn.: *Ditrems nyssigena*, *Arthopyrenia willeyana* (Barr et al. 1996)
quadricoccum R. C. Harris (Harris 1995a, Aptroot 1997)
quaternarium (R. C. Harris) R. C. Harris Syn.: *Ditrems quaternaria* (Harris 1995a)
subnexum (Nyl.) R. C. Harris (Lücking et al. 2011b)
subprostans (Nyl.) R. C. Harris Syn.: *Arthopyrenia subprostans*, *Ditrems subprostans*, *Pyrenula subprostans*.
tamarindi (Fée) R. C. Harris Syn.: *Ditrems tamarindi*.
terminatum (Nyl.) R. C. Harris Syn.: *Ditrems terminata*, *Pleurotrema anacardii*, *Arthopyrenia anacardii* (Harris 1995a)
tuckerae R. C. Harris Syn.: *Ditrems tuckerae*.
feeanum (Müll. Arg.) R. C. Harris = *A. anisolobum*
juistense (Erichsen) R. C. Harris = *A. polypori*
nyssigenum (Ellis & Everh.) R. C. Harris = *A. polypori*
sanfordense (Zahlbr.) R. C. Harris = *Anisomeridium excaecariae*
willeyanum (R. C. Harris) R. C. Harris = *A. polypori*

ANOMALOBARIA B. Moncada & Lücking (Moncada et al. 2013) = LOBARIA (McCune et al. 2014b; Miądlkowska et al. 2014a)
anomala (Brodo & Ahti) B. Moncada & Lücking = *Lobaria anomala* (McCune et al. 2014b)
anthraspis (Ach.) B. Moncada & Lücking = *Lobaria anthraspis* (McCune et al. 2014b)

ANOMOMORPHA Nyl.

turbulenta (Nyl.) Hue Syn.: *Graphis turbulenta* (Staiger 2002)

ANTHRACOTHECIUM Hampe ex A. Massal.

australiense (Müll. Arg.) Aptroot (Aptroot 2012) Syn.: *Parmentaria nana*, *Pleurotheliopsis australiensis*, *P. nana*
pachycheilum (Tuck.) Zahlbr. Syn.: *Pyrenula pachycheila* (Tuckerman 1872)
prasinum (Eschw.) R. C. Harris
canellae-albae (Fée) Müll. Arg. = *Sulcopyrenula canellae-albae*
corticatum Müll. Arg. = *Pyrenula confinis*
falsarium Zahlbr. = *Pyrenula schiffneri*
leucostomum (Ach.) Malme = *Pyrenula leucostoma*
libricola (Fée) Müll. Arg. = probable misidentification for North American
maculare Zahlbr. = *Pyrenula breutelii*
mucosum (Vainio) Zahlbr. = probable misidentification for North American
nanum (Zahlbr.) R. C. Harris = *A. australiense*
ochraceoflavens (Nyl.) Zahlbr. = *Pyrenula ochraceoflavens*
ochraceoflavum (Nyl.) Müll. Arg. = *Pyrenula ochraceoflava*
pauciloculare Herre = identity uncertain
pyrenuloides (Mont.) Müll. Arg. = *Pyrenula pyrenuloides*
staurosporum (Tuck. ex Willey) Zahlbr. = *Sulcopyrenula staurospora*
subglobosum Riddle = *Sulcopyrenula subglobosa*

thelomorphum (Tuck.) Zahlbr. = *Pyrenula thelomorpha*
varians R. C. Harris = *Pyrenula novemseptata*

ANZIA Stizenb.

americana Yoshim. & Sharp
colpodes (Ach.) Stizenb. Syn.: *Parmelia colpodes*, *P. cristulata*
ornata (Zahlbr.) Asahina

ANZINA Scheid.

carneonivea (Anzi) Scheid. (Goward et al. 1996)
carneonivea var. **tetraspora** Scheid. (Spribille et al. 2010)

APATOPLACA Poelt & Hafellner = **CALOPLACA**

oblongula (H. Magn.) Poelt & Hafellner = *Caloplaca oblongula*

ARCTOCETRARIA Kärnefelt & A. Thell

andrejevii (Oxner) Kärnefelt & A. Thell Syn.: *Cetraria andrejevii*, *C. simmonsii*
nigricascens (Nyl.) Kärnefelt & A. Thell Syn.: *Cetraria nigricascens*, *C. elenkinii*, *C. sibirica*

ARCTOMIA Th. Fr.

delicatula Th. Fr.
delicatula var. **acutior** (Nyl.) Henssen (McCune et al. 2020)
interfixa (Nyl.) Vainio

ARCTOPARMELIA Hale

centrifuga (L.) Hale Syn.: *Parmelia centrifuga*, *P. aleuritica*, *Parmelia halseyana*, *Xanthoparmelia centrifuga*
incurva (Pers.) Hale Syn.: *Parmelia incurva*, *Xanthoparmelia incurva*
separata (Th. Fr.) Hale Syn.: *Parmelia separata*, *P. birulae* var. *grumosa*, *Xanthoparmelia separata*
subcentrifuga (Oxner) Hale Syn.: *Parmelia subcentrifuga*, *Xanthoparmelia subcentrifuga*
aleuritica (Nyl.) Hale = *A. centrifuga*

ARCTOPELTIS Poelt

thuleana Poelt

ARRHENIA Fr.

***peltigerina** (Peck) Redhead, Lutzoni, Moncalvo & Vilgalys Syn.: *Omphalina peltigerina*
(Redhead et al. 2002)

ARTHONIA Ach.

***acanthoheciicola** Ertz & Common (Diederich et al. 2019)
***agelastica** R. C. Harris & Lendemer (Lendemer et al. 2016c)
albofuscescens Tuck.
+**albopulverea** Nyl. (Grube 2007)
albovirescens Nyl. Syn.: *Arthothelium albovirescens*
aleuromela Nyl.
***almquistii** Vainio (Zhurbenko 2013)
anglica Coppins (Hodkinson et al. 2009, Lendemer et al. 2009c)
***anjutii** S. Y. Kondr. & Alstrup (Kondratyuk 1996)
antillarum (Fée) Nyl. (Lücking et al. 2011b)
apatetica (A. Massal.) Th. Fr.
arthonioides (Ach.) A. L. Sm.
asteriscus Müll. Arg.
atomaria (Lyngé) R. Kilius
atra (Pers.) A. Schneider (Ertz et al. 2009) Syn.: *Opegrapha atra*

atrata (Fée) Müll. Arg.
[†]**beccariana** (Bagl.) Stizenb. (Grube 2007)
^{*}**biatoricola** Ihlen & Owe-Larsson (Ihlen et al. 2004b)
calcarea (Turner ex Sm.) Ertz & Diederich (Ertz et al. 2009) Syn.: *Opegrapha calcarea*
caribea (Ach.) A. Massal.
cinereopruinosa Schaerer
cinnabarina (DC.) Wallr.
^{*}**circinata** Th. Fr. (Villella & Sheehy 2015)
^{*}**clemens** (Tul.) Th. Fr.
^{*}**colombiana** Etayo (Lendemer & Harris 2012)
compensata Nyl. (Hansen & Dute 2005)
compensatula Nyl. (Seavey & Seavey 2012)
complanata Fée
conferta (Fée) Nyl.
^{*}**coronata** Etayo (Lendemer & Harris 2012)
cupressina Tuck.
cyrtodes Nyl. (Lendemer et al. 2009c)
[†]**cytisi** A. Massal.
dictyospora (Coppins & P. James) McCune (McCune 2017)
didyma Körber
diffusa Nyl.
diffusella Fink
^{*}**digitatae** Hafellner (Knudsen & Lendemer 2007)
^{*}**diploiciae** Calat. & Diederich (Grube 2007, Lendemer et al. 2009b)
dispersula Nyl.
eckfeldtii Müll. Arg.
^{*}**epicladonia** (Nyl.) Alstrup & Zhurb. (Zhurbenko & Alstrup 2004)
^{*}**epimela** (Almq.) I. M. Lamb (Goward et al. 1996)
^{*}**epiphyscia** Nyl.
erubescens Willey
erupta Nyl.
excedens Nyl.
^{*}**excentrica** Th. Fr. (Hafellner et al. 2002)
exilis (Flörke) Anzi
^{*}**farinacea** (H. Olivier) R. Sant. (Diederich 2003)
fissurinea Nyl.
floridana Willey
fuliginosa (Schaerer) Flotow
^{*}**fuscopurpurea** (Tul.) R. Sant. (Alstrup & Cole 1998)
^{*}**gelidae** R. Sant. (Spribille et al. 2010)
gerhardii Egea & Torrente (Grube 2007)
[†]**glaucella** Nyl. (Grube 2007)
glebosa Tuck.
granosa B. de Lesd.
gutberletiana Lendemer & D. Ray (Lendemer & Ray 2017)
gyalectoides Müll. Arg.
hamamelidis Nyl.
helvola (Nyl.) Nyl. (Harris 1977)
[†]**hypobela** (Nyl.) Zahlbr.
hypochniza Nyl. (Seavey et al. 2017)
ilicina Taylor Syn.: *Arthothelium ilicinum*
impallens Nyl.
incarnata Th. Fr. ex Almq.
infectans Egea & Torrente (Egea & Torrente 1995)
interueniens Nyl. Syn.: *Arthothelium interueniens* (Lücking et al. 2011b)
^{*}**intexta** Almq.

kermesina R. C. Harris, E. Tripp & Lendemer (Lendemer et al. 2013)
lapidicola (Taylor) Branth & Rostrup
lecanactidea Zahlbr.
***lecanorina** (Almq.) Grube (Grube 2007)
***lepidophila** (Anzi) Clauzade, Diederich & Cl. Roux (Spribille et al. 2020)
***lethariicola** Alstrup & M. S. Cole (Alstrup & Cole 1998)
leucastraea Tuck.
ligniaria Hellb. (Spribille et al. 2020)
ligniariella Coppins (Spribille & Björk 2008)
luridoalba Nyl.
macrotheca Fée (Lücking et al. 2011b) Syn.: *Arthothelium macrothecum*
madreana Egea & Torrente (Egea & Torrente 1995)
mediella Nyl.
mesoleuca Nyl. (Lücking et al. 2011b)
microsperma Nyl. (Seavey et al. 2017)
microspermella Willey
mirabilis Grube (Lücking et al. 2011b)
***molendoi** (Heufl. ex Frauenf.) R. Sant. (Alstrup & Cole 1998; Hafellner et al. 2002)
neoni B. de Lesd.
***nephromiaria** (Nyl. ex Arn.) Sacc.
norvegica (Coppins & Tønsberg) McCune (McCune 2017)
ochrocincta Willey
ochrodiscodes Nyl.
ochrolutea Nyl.
ochrospila Nyl. (Seavey & Seavey 2012)
oxytera Nyl. (Fink 1935, Esslinger & Tucker 2009)
palmulacea (Müll. Arg.) R. Sant.
patellulata Nyl.
***peltigerea** Th. Fr. (Hafellner et al. 2002)
***peltigerina** (Almq.) H. Olivier
perminuta Willey
phaeobaea (Norman) Norman
***phaeophysciae** Grube & Matzer (Hafellner et al. 2002)
phlyctiformis Nyl. subsp. **californica** Grube (Grube 2007)
platygraphidea Nyl.
platyspilea Nyl.
***polydactylonis** Diederich & Ertz (Diederich et al. 2018)
polygramma Nyl.
polymorpha Ach.
***protoparmeliopseos** Etayo & Diederich (Kocourková & Knudsen 2015)
+pruinascens (Zahlbr.) Grube (Grube 2007) Syn.: *Arthothelium pruinascens*
+pruinosella Nyl. (Grube 2007)
pruinosula Nyl.
pseudostromatica F. Seavey & J. Seavey (Seavey et al. 2017)
pyrrhuliza Nyl.
+quintaria Nyl.
radiata (Pers.) Ach.
ravenelii Tuck.
reniformis (Pers.) Ach.
+rhoidis Zahlbr. (Grube 2007)
rubella (Fée) Nyl.
rubrocincta G. Merr. ex Grube & Lendemer (Grube & Lendemer 2009)
rupicola Fink
samdykeana Lendemer & D. Ray (Lendemer & Ray 2017)
***sanguinea** Willey (Grube 2007) Syn.: *Arthothelium sanguineum*
septiseptella Nyl. (Fink 1935, Esslinger & Tucker 2009)

+**sexlocularis** Zahlbr. (Grube 2007)
siderea Degel.
simplicascens Nyl. (Lücking et al. 2011b)
spadicea Leighton
speciosa (Müll. Arg.) Grube (Grube 2007)
stellaris Kremp.
 ***stereocaulina** (Ohlert) R. Sant. (Zhurbenko 2010)
 ***stevensoniana** R. C. Harris & Lendemer (Lendemer et al. 2016c)
 +**subastroidea** Anzi (McMullin et al. 2017)
subastroidella Nyl.
subdiffusa Willey
 +**subdispuncta** Nyl.
 ***subfuscicola** (Lindsay) Triebel
 ***subgraphidicola** Ertz, Common & Diederich (Diederich et al. 2019)
subminutissima Nyl.
subminutula Nyl.
subrubella Nyl.
susa R. C. Harris & Lendemer Syn.: *Arthothelium taediosum* auct. N.A. (Lendemer et al. 2013)
taedescens Nyl.
 ***tavaresii** Grube & Hafellner (Seavey et al. 2017)
terrigena Nyl.
 +**tetramera** (Stizenb.) Hasse (Grube 2007)
 ***thelotrematis** Coppins (Spribille et al. 2020)
torulosa Fée
varia (Ach.) Nyl.
 ***varians** (Davies) Nyl. Syn.: *Celidium varians* (Hawksworth 2003)
vernans Willey
vinosa Leighton
viridicans Willey
 ***xanthoparmeliarum** Etayo (Kocourková 2009)
xylographica Nyl.
alba Müll. Arg. = *a Stirtonia* sp.
aspera Leighton = *A. arthonioides*
atractospora Zahlbr. = *Naetrocymbe atractospora*
biseptata Degel. = *Mycoporum biseptatum* (Lendemer & Harris 2014c)
byssacea (Weigel) Almq. = *Inoderma byssaceum* (Weigel) Gray (Frisch et al. 2015)
caesia (Flotow) Körber = *Chrysothrix caesia*
carneorufa Willey = *Catillaria erysiboides*
 +**caudata** Willey = *Arthonia hypobela* (McMullin 2018)
 ***ceracea** Etayo & Breuss (Etayo & Breuss 1998) = *A. polydactylonis* (Diederich et al. 2018)
chiodectella Nyl. = *Pachnolepia pruinata* (Grube 2007)
convexella Nyl. = a non-lichenized fungus (*Mycoporum* sp.?)
 +**dispersa** (Schrader) Nyl. = *Naevia dispersa* (Thiyagaraja et al. 2020)
epipastoides auct. N.A. non Nyl. = *A. glaucella* (Grube 2007)
fusca (A. Massal.) Hepp = *A. lapidicola*
galactitella Nyl. = *A. glaucella* (Grube 2007)
glaucescens Nyl. = *Schismatomma glaucescens*
glaucomaria (Nyl.) Nyl. = *A. varians* (Hawksworth 2003)
gregaria (Weigel) Körber = *A. cinnabarina*
gregarina Willey = *Coniarthonia gregarina*
 ***hodgesii** Lendemer & R. C. Harris (Lendemer et al. 2016c) = *Synarthonia hodgesii*
impolita (Hoffm.) Borrer = *Pachnolepia pruinata*
lecideella Nyl. ex Willey = *Chrysothrix caesia* (Lendemer 2008)
leucodontis (Poelt & Döbb.) Coppins = *Bryostigma muscigena*
leucopellaea (Ach.) Almq. = *Felipes leucopellaeus* (Frisch et al. 2014)
 ***linitae** R. Sant. (Esslinger & Egan 1995) = *Plectocarpon linitae*

lurida Ach. nom. rej. = *A. spadicea*
 macounii G. Merr. (Kocourková et al. 2008) = *Arthothelium macounii*
 melaspora Tuck. = *Sporostigma melaspora* (Grube 2001)
 montagnei (Tuck.) R. C. Harris = uncertain species of *Cryptothecia*? (Lücking et al. 2011b)
 muscigena Th. Fr. = *Bryostigma muscigena*
⁺*pinastri* Anzi = *Naevia pinastri* (Thiyagaraja et al. 2020)
 pruinata (Pers.) Steud. ex A. L. Sm. (Grube 2007) = *Pachnolepia pruinata* (Frisch et al. 2014)
⁺*punctiformis* Ach. = *Naevia punctiformis* (Thiyagaraja et al. 2020)
 pyrrhula Nyl. = *Coniarthonia pyrrhula*
redingeri Grube **Erroneously listed here; reported only from Mexico (Grube 2007)**
 ruana A. Massal. = *Arthothelium ruanum*
 spectabilis Flotow = *Arthothelium spectabile*
⁺*stictella* Stizenb. = *A. albopulverea* (Grube 2007)
 taediosa Nyl. North American reports are *Arthonia susa* (Lendemer et al. 2013)
 tremelloides Etayo **Erroneously listed here; reported only from Mexico (Grube 2007)**
 tuckermaniana Willey = *Coniocarpon tuckermanianum* (Van den Broeck et al. 2018)
 tumidula (Ach.) Ach. = *A. cinnabarina*
 verrucosa Egea & Torrente **Erroneously listed here; reported only from Mexico (Grube 2007)**
 willeyi Tuck. = *A. diffusa* (Lendemer 2004a)

ARTHOPHACOPSIS Hafellner

***parmeliarum** Hafellner (Diederich 2003, Zhurbenko & Laursen 2003)

ARTHOPYRENIA A. Massal.

⁺**analepta** (Ach.) A. Massal. (Harris 1995a, Aptroot 2002a) Syn.: *Polyblastiopsis fallax*
betulicola R. C. Harris, E. Tripp & Lendemer (Harris et al. 2014)
cerasi (Schrader) A. Massal.
cinereopruinosa (Schaerer) A. Massal.
degelii R. C. Harris (Harris 1995a)
esenbeckiana (Fée) R. C. Harris (Harris 1995a)
exasperata R. C. Harris (Harris 1995a)
minor R. C. Harris
oblongens R. C. Harris (Harris 1995a)
⁺**plumbaria** (Stizenb. ex Hasse) R. C. Harris Syn.: *Porina plumbaria*, *Pyrenula herrei*
rappii Zahlbr.
⁺**subcerasi** (Vainio) Zahlbr. (Spribille et al. 2010)
taxodii R. C. Harris (Harris 1995a)
***texensis** (Cooke) D. Hawksw.
 affinis (A. Massal.) R. C. Harris = *Strigula affinis* North American records are *S. jamesii*
 alba (Schrader) Zahlbr. = *Acrocordia gemmata*
 ambigua Zahlbr. = *Anisomeridium ambiguum*
 anacardii Vainio = *Anisomeridium terminatum*
 analeptella (Nyl.) Arnold = misidentification for North America
 anisoloba Müll. Arg. = *Anisomeridium anisoloba*
 antecellens (Nyl.) Arnold = *Mycoporum antecellens*
 atomarioides Müll. Arg. = *Naetrocymbe atomarioides*
 atractospora Zahlbr. = *Naetrocymbe atractospora*
 bifera Zahlbr. = *A. malaccitula*
 biformis (Borrer) A. Massal. = *Anisomeridium biforme*
 bryospila (Nyl.) Arnold = *Collemopsidium bryospilum*
 carinthiaca J. Steiner = *Anisomeridium carinthiacum*
 cavata (Ach.) R. C. Harris = *Acrocordia cavata*
 cinchonae (Ach.) Müll. Arg. = *Constrictolumina cinchonae*
 confluens R. C. Harris (Harris 1995a) = *Constrictolumina leucostoma*
 conformis (Nyl.) Müll. Arg. = misidentification for North America, mostly *Anisomeridium biforme*

conoidea (Fr.) Zahlbr. = *Acrocordia conoidea*
 dimidiata Fink = *Anisomeridium carinthiacum*
 distans (Willey) Zahlbr. = *Anisomeridium distans*
 epidermidis (DC.) A. Massal. = *Naetrocymbe punctiformis*
 faginea (Schaerer) Swinscow = *Strigula stigmatella*
 fallax (Nyl.) Arnold = *A. analepta*
 finkii Zahlbr. = *Acrocordia megalospora*
 floridana Zahlbr. = *Naetrocymbe atomarioides*
 fraxini A. Massal. = *Naetrocymbe fraxini*
 gemmata (Ach.) A. Massal. = *Acrocordia gemmata*
 halodytes (Nyl.) Arnold = *Collemopsidium halodytes*
 hyalospora (Nyl.) Fink = *Lithothelium hyalosporum*
 lapponina Anzi = *A. analepta*
 leucochlora Müll. Arg. = *Anisomeridium leucochlorum*
 litoralis (Leighton) Arnold (Fink 1935) = *Collemopsidium sublitorale* (Santesson et al. 2004)
 lyrata R. C. Harris = *Constrictolumina lyrata*
 macrocarpa (Körber) Zahlbr. = misidentification for North America
 macrospora Fink = *Acrocordia megalospora*
 majuscula (Nyl.) Zahlbr. = *Constrictolumina majuscula*
 malaccitula (Nyl.) Zahlbr. = *Constrictolumina malaccitula*
 megalospora Lonnr. = *Naetrocymbe megalospora*
 mycoporoides Müll. Arg. = *Mycoporum mycoporoides*
 padi Rabenh. = *Naetrocymbe punctiformis*
 parvula Zahlbr. = *Anisomeridium biforme*
 pinicola (Hepp) A. Massal. = *A. cinereopruinosa*
 planorbis (Ach.) Müll. Arg. = *Constrictolumina planorbis*
 prospersella (Nyl.) Zahlbr. = *Pyrenocollema prospersella*
 punctiformis (Pers.) A. Massal. = *Naetrocymbe punctiformis*
 quinqueseptata (Nyl.) Müll. Arg. = *Polymeridium quinqueseptatum*
 rhypona (Ach.) A. Massal. (Aptroot 2002a) = *Naetrocymbe rhypona*
 salicis A. Massal. = Identity uncertain (Harris 1995a)
 sanfordensis Zahlbr. = *Anisomeridium excaecariae*
 sphaeroides (Wallr.) Zahlbr. = *Acrocordia gemmata*
 sublitoralis (Leighton) Arnold = *Collemopsidium sublitoralis*
 submuriformis R. C. Harris = *Strigula submuriformis*
 subprostans (Nyl.) Müll. Arg. = *Anisomeridium subprostans*
 subpunctiformis Nyl. = *A. atomarioides*
 tenuis R. C. Harris = *Strigula americana*
 tichothecioides Arnold = *Pyrenocollema tichothecioides*
 willeyana R. C. Harris = *Anisomeridium polypori*

ARTHOTHELIOPSIS Vainio

floridensis Lücking & W. R. Buck (Lücking et al. 2007)

planicarpa (Lücking) Lücking, Sérus. & Vězda (Lücking et al. 2007) A tentative report.

ARTHOTHELIUM A. Massal.

abnorme (Ach.) Müll. Arg.

adveniens Nyl.

anastomosans (Ach.) Arnold

distendens (Nyl.) Müll. Arg.

hallii (Tuck.) Zahlbr.

macounii (G. Merr.) W. Noble Syn.: *Arthonia macounii*

norvegicum Coppins & Tønsberg (Tønsberg & Williams 2006)

orbilliferum (Almq.) Hasse

ruanum (A. Massal.) Körber Syn.: *Arthonia ruana*

spectabile (Flotow) A. Massal. Syn.: *Arthonia spectabilis*

subcyrtodes (Willey) Hasse
violascens (Nyl.) Zahlbr.
 albovirescens (Nyl.) Fink = *Arthonia albovirescens*
 gregarinum (Willey) Zahlbr. = *Coniarthonia gregarina*
 ilicinum (Taylor) P. James = *Arthonia ilicina*
 interveniens (Nyl.) Zahlbr. = *Arthonia interveniens*
 lichenale (Peck) M. E. Barr (Barr et al. 1986) = *Mycoporum compositum* (Lendemer & Harris 2016)
 macrothecum (Fée) A. Massal. = *Arthonia macrothecum*
 +pruinascens Zahlbr. = *Arthonia pruinascens* (Grube 2007)
 ruanideum (Nyl.) Arnold = *A. ruanum*
 +sanguineum (Willey) Zahlbr. = *Arthonia sanguinea* (Grube 2007)
 taediosum (Nyl.) Müll. Arg. North American reports are *Arthonia susa* (Lendemer et al. 2013)

ARTHRORHAPHIS Th. Fr.

***aeruginosa** R. Sant. & Tønberg
 #**alpina** (Schaerer) R. Sant. Syn.: *Bacidia alpina*
 #**citrinella** (Ach.) Poelt Syn.: *Bacidia citrinella*, *B. flavovirescens*, *Lecidea flavovirescens*
 #**grisea** Th. Fr. Syn.: *Lahmia fueistingii*
 ***muddii** Obermayer (Spribille et al. 2020)

ARTHROSPORUM A. Massal. = **TONINIA** (Kistenich et al. 2018)

accline (Flotow) A. Massal. = *Toninia populorum*
 populorum A. Massal. = *Toninia populorum*

ASAHINEA W. L. Culb. & C. F. Culb.

chrysantha (Tuck.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria chrysantha*, *Platysma septentrionale*
scholanderi (Llano) W. L. Culb. & C. F. Culb. Syn.: *Cetraria scholanderi*

ASPICILIA A. Massal.

albomarginata B. de Lesd. Syn.: *Lecanora albomarginata*
albonota McCune & J. Di Meglio (McCune & Di Meglio 2021)
alboradiata (H. Magn.) Oxner Syn.: *Lecanora alboradiata*
aliena (Zahlbr.) Oxner Syn.: *Lecanora aliena*
americana B. de Lesd. Syn.: *Lecanora americana*
angelica Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
annulata (Lyngé) J. W. Thomson Syn.: *Lecanora annulata*
anseris (Lyngé) J. W. Thomson Synonym: *Lecanora anseris*
aquatica Körber Syn.: *Lecanora aquatica*
arctica (Lyngé) Oxner Syn.: *Lecanora arctica*
arizonica Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007, Knudsen et al. 2008b)
aspera (Mereschk.) Tomin (McCune et al. 2014b)
aurantiaca Owe-Larsson & A. Nordin (Knudsen et al. 2008b)
berntii A. Nordin, Tibell & Owe-Larsson Syn.: *Lecanora mastoidea* (Nordin et al. 2008)
bicensis F. Anderson & Lendemer (Anderson & Lendemer 2016)
boykinii Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
brucei Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
caesiopruinosa (H. Magn.) J. W. Thomson Syn.: *Lecanora caesiopruinosa*
californica Rosentr. (Rosentreter 1998)
californica var. **gigantea** McCune & J. Di Meglio (McCune & Di Meglio 2021)
candida (Anzi) Hue Syn.: *Lecanora candida*
cinerea (L.) Körber Syn.: *Lecanora cinerea*
cingulata (Zahlbr.) Oxner Syn.: *Lecanora cingulata*
composita (Lyngé) J. W. Thomson Syn.: *Lecanora composita*
concinna (J. W. Thomson) J. W. Thomson (Thomson 1997)
confusa Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)

contigua (Lyngé) J. W. Thomson
cuprea Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007, Knudsen et al. 2008b)
curvabilis (Nyl.) Hue (Hansen 2006)
cyanescens Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
determinata (H. Magn.) N. S. Golubk. (Owe-Larsson et al. 2007)
diploschistiformis McCune & Di Meglio (McCune & Di Meglio 2021)
disserpens (Zahlbr.) Räsänen Syn.: *Lecanora disserpens*
dudinensis (H. Magn.) Oxner (McCune et al. 2020)
elevata (Lyngé) J. W. Thomson Syn.: *Lecanora elevata*
filiformis Rosentr. (Rosentreter 1998)
fimbriata (H. Magn.) Clauzade & Rondon Syn.: *Lecanora fimbriata*
fumosa Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
glaucoopsina (Nyl. ex Hasse) Hue (Knudsen 2005b, Owe-Larsson et al. 2007)
grisea Arnold (Fryday 2001)
heteroplaca (Zahlbr.) Oxner Syn.: *Lecanora heteroplaca*
humboldtii (Lyngé) J. W. Thomson
karellica (H. Magn.) Oxner
knudsenii Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
laevata (Ach.) Arnold Syn.: *Lecanora cinerea* var. *laevata*, *L. laevata*
laxula (H. Magn.) Brodo
lesleyana Darb. Syn.: *Lecanora lesleyana*
limitata (H. Magn.) J. W. Thomson Syn.: *Lecanora limitata*
mansourii Sohrabi (McCune et al. 2014b)
mazarina (Wahlenb.) R. Sant.
narssaquensis (Lyngé) J. W. Thomson Syn.: *Lecanora basaltica*, *L. narssaquensis*
nashii Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
nathorstii (Lyngé) J. W. Thomson
nikrapensis Darb. Syn.: *Lecanora nikrapensis*
nordlandica (H. Magn.) Degel.
novae-semiliae (Zahlbr.) Oxner Syn.: *Lecanora novae-semiliae*
olivaceobrunnea Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
olivaceopallida (H. Magn.) Lendemé (Lendemé et al. 2013)
pacifica Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007, Knudsen et al. 2008b)
papilliformis McCune & J. Di Meglio (McCune & Di Meglio 2021)
peltastictoides (Hasse) K. Knudsen & Kocourk. (Knudsen & Kocourková 2013) Syn.: *Lecanora peltastictoides*
pergibbosa (H. Magn.) Räsänen Syn.: *Lecanora pergibbosa*
perradiata (Nyl.) Hue Syn.: *Lecanora perradiata*
pertusa (Lyngé) J. W. Thomson Syn.: *Lecanora pertusa*
phaea Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007, Knudsen et al. 2008b)
plicigera (Zahlbr.) Räsänen Syn.: *Lecanora plicigera*
polychroma Anzi Syn.: *Lecanora polychroma*
praecrenata (Nyl. ex Hasse) Hue Syn.: *Lecanora praecrenata* (Owe-Larsson et al. 2007, Knudsen et al. 2008b)
reptans (Looman) Wetmore Syn.: *Lecanora reptans*:
rolleana Hue Syn.: *Lecanora rolleana*
rosulata Körber Syn.: *Lecanora rosulata*
ryrkaipiae (H. Magn.) Oxner Syn.: *Lecanora ryrkaipiae*
santamonicae Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007, Knudsen et al. 2008b)
sipeana (H. Magn.) Owe-Larsson & A. Nordin Syn.: *Lecanora sipeana* (Owe-Larsson et al. 2007)
sorediza (Lyngé) J. W. Thomson
spicata McCune & J. Di Meglio (McCune & Di Meglio 2021)
subcontinua McCune & J. Di Meglio (McCune & Di Meglio 2021)
sublapponica (Zahlbr.) Oxner Syn.: *Lecanora sublapponica*
submersa (Lamy) Hue
subplicigera (H. Magn.) Oxner

subradians (Nyl.) Hue Syn.: *Lecanora stygioplaca*, *L. subradiascens*, *L. subradians*
substictica Owe-Larsson & A. Nordin (Owe-Larsson et al. 2007)
supertegens Arnold Syn.: *Lecanora supertegens*
tenuis (H. Magn.) Owe-Larsson & A. Nordin Syn.: *Lecanora tenuis* (Owe-Larsson et al. 2007)
verrucigera Hue Syn.: *Lecanora verrucigera*
wyomingensis McCune & J. Di Meglio (McCune & Di Meglio 2021)
alphoplaca (Wahlenb.) Poelt & Leuckert = *Lobothallia alphoplaca*
alpina (Sommerf.) Arnold = *Bellemeria alpina*
bennettii (Lyng.) J. W. Thomson = *A. mashiginensis*
caesiocinerea (Nyl. ex Malbr.) Arnold = *Circinaria caesiocinerea*
calcaria (L.) Körber = *Circinaria calcarea*
cinereorufescens (Ach.) A. Massal. = *Bellemeria cinereorufescens*
contorta (Hoffm.) Kremp. = *Circinaria contorta*
desertorum (Kremp.) Mereschk. North American reports are *Circinaria arida* (Owe-Larsson et al. 2011)
diamarta (Ach.) Boistel = *Bellemeria diamarta*
excavata G. Thor & Timdal = *Acarospora moenium*
flavida (Hepp) Rehm = *Eiglera flavida*
fruticulosa (Eversm.) Flagey = *Circinaria rogeri* for N.A. reports
gibbosa (Ach.) Körber = *Circinaria gibbosa*
hispida Mereschk. = *Circinaria hispida*
intermutans (Nyl.) Arnold (McCune et al. 2014b) = *Aspiciliella intermutans*
lacustris (With.) Th. Fr. = *Ionaspis lacustris*
leproscens (Sandst.) Hav. = *Circinaria leproscens*
mashiginensis (Zahlbr.) Oxner = *Oxneriaria mashiginensis*
mastoidea (Lyng.) J. W. Thomson = *A. berntii* (Nordin et al. 2008)
mastrucata (Wahlenb.) Th. Fr. (Wetmore 1967) = *Sagedia mastrucata*
melanaspis (Ach.) Poelt & Leuckert = *Lobothallia melanaspis*
melinodes Körber = *Porpidia melinodes*
moenium (Vainio) G. Thor & Timdal = *Acarospora moenium* (Nordin et al. 2009)
myrinii (Fr.) Stein = *Aspilidea myrinii*
pelobotrya (Wahlenb.) Th. Fr. = *Amygdalaria pelobotryon*
praeradiosa (Nyl.) Poelt & Leuckert = *Lobothallia praeradiosa*
quartzitica W. A. Weber = *Schaereria fuscocinerea* (Owe-Larsson et al. 2007)
radiosa (Hoffm.) Poelt & Leuckert = *Lobothallia radiosa*
rogeri Sohrabi (Sohrabi et al. 2013b) = *Circinaria rogeri*
sanguinea Kremp. = *Bellemeria sanguinea*
simoënsis Räsänen (Owe-Larsson et al. 2007) = *Sagedia simoënsis*
stygioplaca (Nyl.) Hue = *A. subradians*
subradiascens (Nyl.) Hue = *A. subradians*
subsorediza (Lyng.) R. Sant. = *Bellemeria subsorediza*
uxoris (Werner) V. J. Rico (Shrestha & St. Clair 2009) North American report = *Teuvoa junipericola* (Sohrabi et al. 2013a)

ASPICILIELLA M. Choisy

intermutans (Nyl.) M. Choisy Syn.: *Aspicilia intermutans* (Zakeri et al. 2017)

ASPIDOTHELIUM Vainio (Nelsen et al. 2017)

cinerascens Vainio (Lücking et al. 2011b) Syn.: *Thelenella cinerascens*

fugiens (Müll. Arg.) R. Sant. Syn.: *Thelenella fugiens* (Nelsen et al. 2017)

geminiparum (Malme) R. Sant. (Lücking et al. 2011b) Syn.: *Thelenella geminipara*

scutellincarpum Lücking (Lücking et al. 2011b)

ASPILIDEA Hafellner (Hafellner & Türk 2001)

myrinii (Fr.) Hafellner

ASTEROPHOMA D. Hawksw.

***mazaediicola** D. Hawksw.

ASTEROTHYRIUM Müll. Arg.

decipiens (Rehm) R. Sant.

leucophthalmum (Müll. Arg.) R. Sant.

rotuliforme (Müll. Arg.) Sérus. Syn.: *Gyalectidium rotuliforme*, *Lopadiopsis floridana*

ASTROTHELIUM Eschw.

aeneum (Eschw.) Aptroot & Lücking Syn.: *Trypethelium aeneum* (Aptroot & Lücking 2016)

cinnamomeum (Eschw.) Müll. Arg.

crassum (Fée) Aptroot (Aptroot & Lücking 2016)

diplocarpoides Müll. Arg. (Lücking et al. 2011b)

diplocarpum Nyl. (Harris 1995a)

feei (C. F. W. Meissn.) Aptroot & Lücking (Aptroot & Lücking 2016)

floridanum Zahlbr.

macrocarpum (Fée) Aptroot & Lücking (Aptroot & Lücking 2016)

marcidum (Fée) Aptroot & Lücking Syn.: *Trypethelium marcidum* (Aptroot & Lücking 2016)

megaspermum (Mont.) Aptroot & Lücking Syn.: *Campylothecium nitidum*, *Clathroporina diphloea*, *Laurera megasperma* (Aptroot & Lücking 2016)

nitidiusculum (Nyl.) Aptroot & Lücking Syn.: *Trypethelium nitidiuscula* (Aptroot & Lücking 2016)

phlyctaena (Fée) Aptroot & Lücking Syn.: *Trypethelium ochroleucum*, *T. pallescens* (Aptroot & Lücking 2016)

porosum (Ach.) Aptroot & Lücking Syn.: *Trypethelium porosum* (Aptroot & Lücking 2016)

scoria (Fée) Aptroot & Lücking Syn.: *Trypethelium scoria* (Aptroot & Lücking 2016)

subdisjunctum (Müll. Arg.) Aptroot & Lücking Syn.: *Laurera subdisjuncta* (Aptroot & Lücking 2016)

variolosum (Ach.) Müll. Arg. Syn.: *Trypethelium variolosum* (Aptroot & Lücking 2016)

versicolor Müll. Arg.

confusum Müll. Arg. = *A. crassum* (Aptroot & Lücking 2016)

conicum auct. = *A. cinnamomeum*

conicum Eschw. = (?) type not found

galbineum Kremp. = *A. macrocarpum* (Aptroot & Lücking 2016)

ochrothelium Müll. Arg. = *A. macrocarpum* (Aptroot & Lücking 2016)

ATHALLIA Arup, Frödén & Søchting (Arup et al. 2013)

cerinelloides (Erichsen) Arup, Frödén & Søchting Syn.: *Caloplaca cerinelloides*

holocarpa (Hoffm.) Arup, Frödén & Søchting Syn.: *Caloplaca holocarpa*

pyracea (Ach.) Arup, Frödén & Søchting Syn.: *Caloplaca pyracea*, *Placodium cerinum* var. *pyracea*

saxifragarum (Poelt) Arup, Frödén & Søchting Syn.: *Caloplaca saxifragarum*

scopularis (Nyl.) Arup, Frödén & Søchting Syn.: *Caloplaca scopularis*

vitellinula (Nyl.) Arup, Frödén & Søchting Syn.: *Caloplaca vitellinula*

ATHELIA Pers.

***arachnoidea** (Berk.) Jülich (Haffelner et al. 2002)

***epiphylla** Pers.

poeltii Jülich

ATLA Savić & Tibell

alaskana S. Tibell & Tibell (Tibell & Tibell 2015)

recondita Savić (Spribille et al. 2020)

ATROPHYSMA T. Sprib. (Spribille et al. 2020)

cyanomelanos T. Sprib. (Spribille et al. 2020)

AULAXINA Fée

microphana (Vainio) R. Sant.
quadrangula (Stirton) R. Sant.

BACHMANNIOMYCES D. Hawksw.

***punctum** (A. Massal.) Diederich & Pino-Bodas Syn.: *Phaeopyxis punctum* (Diederich et al. 2018)
***uncialicola** (Zopf) D. Hawksw. = *B. punctum* (Diederich et al. 2018)

BACIDIA De Not.

absistens (Nyl.) Arnold
aggregatula Malme
alnetorum (S. Ekman & Tønsberg) S. Y. Kondr. Syn.: *Biatora alnetorum* (Kondratyuk et al. 2019, Spribille et al. 2020)
arceutina (Ach.) Arnold Syn.: *Biatora effusa* var. *arceutina*, *Lecidea luteola* var. *arceutina*
[**Bilimbia artyta** (Ach.) Fink]
auerswaldii (Hepp ex Stizenb.) Mig.
austini (Tuck.) Zahlbr. (“augustini”) Syn.: *Biatora austinii*; misplaced here, correct placement uncertain (Ekman 1996)
bagliettoana (A. Massal. & De Not.) Jatta Syn.: *Biatora muscorum*
biatorina (Körber) Vainio
brouardii (B. de Lesd.) Zahlbr.
campalea (Tuck.) S. Ekman & Kalb
coprodes (Körber) Lettau (Llop & Ekman 2004) Syns.: *Bilimbia coprodes*, *Biatora trachona* auct., *Bilimbia trachona* auct.
coruscans S. Ekman (Ekman 2004a)
diffracta S. Ekman
depriestiana Lendemer & Keepers (Lendemer & Keepers 2021)
eckfeldtii (Müll. Arg.) Zahlbr. Syn.: *Patellaria eckfeldtii* (Lendemer & Hewitt 2002)
ekmaniana R. C. Harris, Lendemer & Ladd (Lendemer et al. 2016b)
flavens (Willey) Zahlbr. Syn.: *Biatora flavens* = a species of *Lecania* (Ekman 1996)
friesiana (Hepp) Körber
gigantensis Lendemer, McCune & McMullin (McMullin et al. 2020)
granosa (Tuck.) Zahlbr. Syns.: *Bilimbia granosa*, *Bilimbia pammellii* (Ekman 2014)
gullahgeechee Lendemer (Lendemer 2018)
hegetschweileri (Hepp) Vainio
helicospora S. Ekman
herbarum (Stizenb.) Arnold
heterochroa (Müll. Arg.) Zahlbr.
hostheleoides (Nyl.) Zahlbr. Syns.: *Biatora caloosensis*
idahoensis H. Magn. (McCune et al. 2014b)
igniarii (Nyl.) Oxner
illudens (Nyl.) Lyngé
insularis Zahlbr.
jacobi (Tuck.) Hasse Syn.: *Biatora jacobi* = misplaced here, correct placement uncertain (Ekman 1996, 2004a)
kekesiana R. C. Harris (Harris 2009)
kingmanii Hasse = misplaced here, correct placement uncertain (Ekman 1996)
laurocerasi (Delise ex Duby) Zahlbr. Syn.: *Biatora atrogrisea*
lobarica Printzen & Tønsberg (Printzen & Tønsberg 2007)
mutabilis Malme
***peltigericola** Vainio (Weber & Wittman 2000)
phyllopsoropsis R. C. Harris & Lendemer (Harris & Lendemer 2006)
polychroa (Th. Fr.) Körber Syns.: *Biatora fuscorubella*, *Lecidea spadicea*
purpurans R. C. Harris, Lendemer & Ladd (Lendemer et al. 2016b)

ravenelii (Tuck.) Zahlbr. Syn.: *Bilimbia ravenelii* Correct placement uncertain (Ekman 1996)
reagens Malme
rosellizans S. Ekman (Ekman 2009)
rubella (Hoffm.) A. Massal. Syn.: *Biatora rubella*
rubidofusca (Willey) Zahlbr. Syn.: *Bilimbia rubidofusca* Possibly a species of *Gyalidea* (Printzen 1995)
russeola (Kremp.) Zahlbr.
salmonea S. Ekman
saxicola Looman = misplaced, correct placement uncertain (Ekman 1996)
schweinitzii (Fr. ex Tuck.) A. Schneider Syn.: *Biatora leucampyx* (Lendemer & Harris 2012), *B. schweinitzii*, *Patellaria granulosa* Michaux non (Hoffm.) DC.
scopulicola (Nyl.) A. L. Sm.
sorediata Lendemer & R. C. Harris (Lendemer et al. 2016b)
subgranulosa (Tuck.) Riddle Erroneously listed as a synonym of *Phyllopsora canoumbrina* in the checklist; possibly belongs to *Psorella* (Ekman 1996)
subincompta (Nyl.) Arnold
suffusa (Fr.) A. Schneider Syn.: *Biatora suffusa*
thiersiana Lendemer (Lendemer 2020a)
veneta S. Ekman (Ekman 2004a)
viridifarinosa Coppins & P. James (Tønsberg 1997)
abbrevians (Nyl.) Th. Fr. = *B. igniarii*
abductans (Nyl.) Zahlbr. = *B. schweinitzii*
accedens (Arnold) Lettau = *Bilimbia accedens*
accedens sensu Harris = unnamed species (Ekman 1996)
acclinis (Flotow) Zahlbr. = [Toninia populorum](#)
affinis (Stizenb.) Vainio = *B. subincompta*
akompsa (Tuck.) Fink = a *Lecanactis* sp.
alaskensis (Nyl.) Zahlbr. = *Herteliana alaskensis*
albescens (Kremp.) Zwackh = *Bacidina phacodes*
alpina (Schaerer) Vainio = *Arthrorhaphis alpina*
apiahica (Müll. Arg.) Zahlbr. = *Bacidina apiahica*
arnoldiana Körber = *Bacidina arnoldiana*
arthroniza (Nyl.) Zahlbr. = *Lecidella stigmatea*
assulata (Körber) Vězda = *Bacidina assulata*
atrogrisea (Delise ex Hepp) Körber = *B. laurocerasi*
aurantiaca Vězda = *Fellhanera aurantiaca*
bacillifera (Nyl.) Arnold = [Scutula circumspecta](#)
beckhausii Körber = *Biatora beckhausii* (Printzen 2014)
caloosensis (Tuck.) Zahlbr. = *B. hostheleoides*
carneoalbida (Müll. Arg.) Coppins = *Mycobilimbia carneoalbida*
chlorantha (Tuck.) Fink = *Ropalospora chlorantha*
chlorococca (Stenh.) Lettau = *Scoliciosporum chlorococca*
chlorosticta (Tuck.) A. Schneider = *Micarea chlorosticta*
[circumspecta](#) (Nyl. ex Vainio) Malme = [Scutula circumspecta](#) (Kistenich et al. 2018)
citrinella (Ach.) Branth & Rostrup = *Arthrorhaphis citrinella*
clementis Hasse = *Bactrospora patellarioides* (Ekman 1996)
cuprea (A. Massal.) Lettau = *Lecania cuprea* (Ekman 1996)
cupreorosella (Nyl. ex Stizenb.) A. Schneider = *Lecania cuprea*
declinis (Tuck.) Zahlbr. = *Catillaria nigroclavata*
dryina (Ach.) Fink = *Bactrospora dryina*
effusa auct. = *Bacidina assulata*
egenula (Nyl.) Arnold = *Bacidina egenula*
egenuloidea Fink = *Bacidina egenuloidea*
endocyanea (Tuck. ex Willey) Zahlbr. = *Micarea endocyanea*
endoleuca auct. = *B. laurocerasi*
epixanthoides (Nyl.) Lettau = *Mycobilimbia epixanthoides*

flavovirescens (Dickson) Anzi = *Arthrorhaphis citrinella*
 floridana (Tuck.) Zahlbr. = *Fellhanera floridana*
 fusca (A. Massal.) Du Rietz = *Mycobilimbia tetramera*
 fuscorubella (Hoffm.) Bausch = *B. polychroa*
 fuscorubella var. suffusa (Fr.) Fink = *B. suffusa*
 globulosa (Flörke) Hafellner & V. Wirth = [Myrionora globulosa \(Kondratyuk et al. 2019\)](#)
 gyalectiformis (Zahlbr.) Hasse = *Ramonia gyalectiformis*
 gyalizella (Nyl.) Zahlbr. = *Gyalecta gyalizella* (Baloch et al. 2013a)
 hegetschweileri auct. = [Bibbya vermifera \(Ekman 1996, Kistenich et al. 2018\)](#)
 hegetschweileri (Hepp) Vainio = *B. subincompta* (Nyl.) Arnold (Ekman 1996)
[hemipolia \(Nyl.\) Malme \(Weber & Wittman 2000, Czarnota & Coppins 2007\) = Myrionora hemipolia \(Kondratyuk et al. 2019\)](#)
 herrei Zahlbr. = *Ophioparma rubricosa*
 hypnophila (Turner ex Ach.) Zahlbr. = *Bilimbia sabuletorum*
 incompta (Borrer ex Hooker) Anzi = misidentification for North America
 intermedia (Hepp ex Stizenb.) Arnold = *Bacidina assulata* (Ekman 1996)
 inundata (Fr.) Körber = *Bacidina inundata*
[ioessa Herre = Thalloidima ioen](#)
 laurocerasi subsp. idahoensis (H. Magn.) S. Ekman = *B. idahoensis* (McCune et al. 2014b)
 leucophyllina (Nyl.) Fink = misidentification for North America
 lignaria (Ach.) Lettau = *Micarea lignaria*
 lugubris (Sommerf.) Zahlbr. = *Ropalospora lugubris*
 luteola "(Ach.) Mudd" = *B. rubella*
 meadii (Tuck. ex Willey) Zahlbr. = *Byssoloma meadii*
[medialis \(Tuck. ex Nyl.\) B. de Lesd. \(Ekman 1996\) = Bacidina medialis](#)
 melaena (Nyl.) Zahlbr. = *Micarea melaena*
 microcarpa (Th. Fr.) Lettau = *Bilimbia microcarpa*
 microphyllina auct. = *Phyllopsora santensis*
 microphyllina (Tuck.) Riddle = misidentification for North America
 minuscula Anzi = *B. beckhausii*
[molybditis \(Tuck.\) Zahlbr. = Bacidina medialis](#)
 muscorum (Sw.) Mudd = *B. bagliettoana*
 naegelii (Hepp) Zahlbr. = [Lecaniella naegelii](#)
 nivalis Follmann = *Stereocaulon nivale*
 obscurata (Sommerf.) Zahlbr. = *Mycobilimbia tetramera*
 pallens (Kullhem) Zahlbr. = [Coppinsidea pallens \(Kondratyuk et al. 2019\)](#)
 pammellii (Fink) Zahlbr. = *Bacidia granosa* (Ekman 2014)
 phacodes auct. N. Am. = *Bacidina californica*, in part
 phacodes Körber (Tuckerman 1888) = *Bacidina phacodes*
 populorum (A. Massal.) Trevisan = *Arthrosporum populorum*
 rosella (Pers.) De Not. = *B. rosellizans* for North American reports
 rubricosa (Müll. Arg.) Zahlbr. = *Ophioparma rubricosa*
 sabuletorum (Schreber) Lettau = *Bilimbia sabuletorum*
 sibiriensis (Willey ex Rothr.) Zahlbr. = *Lecania subfuscula* (Ekman 1996)
[spadicea \(Ach.\) Zahlbr. = B. suffusa \(Ekman 1996\)](#)
 sphaeroides (Dickson) Zahlbr. = *Mycobilimbia pilularis*
 sphaeroides auct. non (Dickson) Zahlbr. = *Mycobilimbia carnealbida*
 stigmatella (Tuck.) Zahlbr. = *Lecania stigmatella*
 subfuscula (Nyl.) Th. Fr. = *Lecania subfuscula*
[subspadicella Zahlbr. = B. polychroa \(Ekman 1996\)](#)
 tetramera (De Not.) Coppins = *Mycobilimbia tetramera*
 trachona (Ach.) Lettau North American reports are *B. coprodes* (Llop & Ekman 2004)
 trisepta (Hellbom) Zahlbr. = *Micarea peliocarpa*
 umbrina (Ach.) Bausch = *Scoliosporum umbrinum*
 verecundula (Th. Fr.) = misidentification for North America (Ekman 1996)
[vermifera \(Nyl.\) Th. Fr. \(Ekman 1996\) = Bibbya vermifera \(Kistenich et al. 2018\)](#)

BACIDINA Vězda

- aenea** S. Ekman
- apiahica** (Müll. Arg.) Vězda Syn.: *Bacidia apiahica*
- arnoldiana** (Körber) V. Wirth & Vězda Syn.: *Bacidia arnoldiana*
- assulata** (Körber) S. Ekman Syns.: *Bacidia albescens*, *B. assulata*, *B. effusa* auct., *B. intermedia*
- brandii** (Coppins & van den Boom) M. Hauck & V. Wirth (Spribille et al. 2020)
- brittoniana** (Riddle) LaGreca & S. Ekman (Berger & LaGreca 2014)
- californica** S. Ekman Syns.: *Bacidia phacodes* auct. N.A., *B. albescens* auct. N.A.?
- chlorotricula** (Nyl.) Vězda & Poelt (Ekman 1996)
- circumpulla** S. Ekman (Spribille et al. 2020)
- contecta** S. Ekman & T. Sprib. (Spribille et al. 2009)
- crystallifera** S. Ekman
- delicata** (Leighton) V. Wirth & Vězda (Harris & Lendemer 2005)
- egenula** (Nyl.) Vězda Syn.: *Bacidia egenula*
- egenuloidea** (Fink) S. Ekman Syn.: *Bacidia egenuloidea*
- inundata** (Fr.) Vězda Syns.: *Bacidia inundata*, *Biatora inundata*
- lacerata** (Timdal) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Phyllopsora lacerata* (Kistenich et al. 2018)
- medialis** (Tuck. ex Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Bacidia medialis*, *Biatora medialis*, *B. molybditis*, *Bilimbia molybditis*, *Lecidea medialis* (Kistenich et al. 2018)
- neosquamulosa** (Aptroot & van Herk) S. Ekman (Ekman 2004b)
- pallidocarnea** (Müll. Arg.) Vězda (Seavey & Seavey 2012)
- phacodes** (Körber) Vězda (Harris & Ladd 2005) Syn.: *Bacidia phacodes*
- saxenii** (Erichsen) M. Hauck & V. Wirth (Spribille et al. 2020)
- squamellosa** S. Ekman
- sulphurella** (Samp.) M. Hauck & V. Wirth (Spribille et al. 2020)
- phacodes (Körber) Vězda = *Bacidina californica*, in part, for N.A. records
- ramea** S. Ekman = *Mycobilimbia ramea* (Kondratyuk et al. 2019)
- varia** S. Ekman = *B. brittoniana*

BACIDIOPSORA Kalb

- orizabana** (Vainio) Kalb (Seavey et al. 2017)
- squamulosula** (Nyl.) Kalb (Seavey et al. 2014)

BACTROSPORA A. Massal.

- acicularis** (C. W. Dodge) Egea & Torrente (Egea et al. 2004a)
- brevispora** R.C. Harris
- brodoi** Egea & Torrente
- carolinensis** (Ellis & Everh.) R. C. Harris (Knudsen et al. 2011b)
- casadensis** Ponzetti & McCune (Ponzetti & McCune 2006)
- denticulata** (Vainio) Egea & Torrente
- dryina** (Ach.) A. Massal. Syn.: *Bacidia dryina*
- metabola** (Nyl.) Egea & Torrente (Joseph et al. 2021) Syns.: *Gyalecta lamprospora*, *Melampylidium macrosporum* (Lendemer 2004a)
- myriadea** (Fée) Egea & Torrente
- patellarioides** (Nyl.) Almq. Syns.: *Lecanactis patellarioides*, *Lecidea patellarioides*, *Bacidia clementis*
- spiralis** Egea & Torrente
- integrispora Seaver = *B. denticulata* (Harris 1995a)
- lamprospora** (Nyl.) Lendemer = *B. metabola* (Joseph et al. 2021)
- macrospora R.C. Harris = *B. lamprospora*
- mesospora R.C. Harris = *B. carolinensis*
- nematospora R.C. Harris = *B. myriadea*

BACULIFERA Marbach & Kalb

curtisii (Tuck.) Marbach Syn.: *Buellia curtisii* (Marbach 2000), *Gyrostomum curtisii*
imshaugiana (R. C. Harris) Marbach Syn.: *Buellia imshaugiana* (Marbach 2000)
micromera (Vainio) Marbach (Seavey et al. 2017)

BAEOMYCES Pers.

carneus Flörke
placophyllus Ach.
rufus (Hudson) Rebert.
absolutus Tuck. = *Dibaeis absoluta*
aeruginosa (Scop.) DC. = *Icmadophila ericetorum*
byssoides (L.) Ach. (Claassen 1912) = *B. rufus*
fungoides (Sw.) Ach. North American reports are *Dibaeis baeomyces*
roseus Pers. = *Dibaeis baeomyces*

BAGLIETTOA A. Massal.

baldensis (A. Massal.) Vězda (Breuss 2007a) Syn.: *Verrucaria baldensis*
calciseda (DC.) Gueidan & Cl. Roux Syn.: *Verrucaria calciseda* (Knudsen & Kocourková 2009b)
marmorea (Scop.) Gueidan & Cl. Roux Syn.: *Verrucaria marmorea* (Yuzon et al. 2014)
rubrocincta (Breuss) Gueidan & Cl. Roux (Yuzon et al. 2014) Syn.: *Verrucaria rubrocincta*

BATHELIUM Ach. (Harris 1995a)

carolinianum (Tuck.) R. C. Harris (Harris 1995a) Syn.: *Trypethelium carolinianum*
madreporiforme (Eschw.) Trevisan (Harris 1995a) Syn.: *Laurera madreporiformis*

BELLEMEREIA Hafellner & Cl. Roux

alpina (Sommerf.) Clauzade & Cl. Roux Syn.: *Lecanora alpina*, *L. applegatei*, *Aspicilia alpina*
cinereorufescens (Ach.) Clauzade & Cl. Roux Syn.: *Aspicilia cinereorufescens*, *Lecanora cinereorufescens*
diamarta (Ach.) Hafellner & Cl. Roux Syn.: *Aspicilia diamarta*
sanguinea (Kremp.) Hafellner & Cl. Roux Syn.: *Aspicilia sanguinea*, *Lecanora sanguinea*
subsorediza (Lynge) R. Sant. Syn.: *Lecidea subsorediza*, *Aspicilia subsorediza*

BELLEMERELLA Nav.-Ros. & Cl. Roux

***ritae** Pérez-Ortega & T. Sprib. (Pérez-Ortega & Spribille 2007)
***trapeliae** Nav.-Ros. & Cl. Roux (Lendemer et al. 2013)

BELONIA Körber ex Nyl. = **GYALECTA** (Baloch et al. 2013a)

americana Fink ex Hedr. = *Robergea pupula*, but excluded as a non-lichen
fennica Vainio = *Gyalecta russula*
russula Körber ex Nyl. = *Gyalecta russula*

BIATORA Fr.

aegrefaciens Printzen (Printzen et al. 2002)
alaskana Printzen & Tønsberg (Printzen & Tønsberg 1999)
appalachensis Printzen & Tønsberg (Printzen & Tønsberg 2004)
aureolepra T. Sprib. & Tønsberg (Spribille et al. 2009)
beckhausii (Körber) Tuck. Syn.: *Bacidia beckhausii* (Printzen 2014)
caulophylla Tuck. Possibly belongs to *Lecanora* (Ryan & Nash 1997a)
chrysantha (Zahlbr.) Printzen in V. Wirth (Printzen 1995)
chrysanthoides Printzen & Tønsberg (Printzen & Tønsberg 2003)
cuprea (Sommerf.) Fr. Syn.: *Bilimbia bacidioides*, *Lecidea cuprea*
efflorescens (Hedl.) Räsänen (Printzen 1995) Syn.: *Lecidea efflorescens*, *L. epixanthoidiza*
fallax Hepp (Printzen & Tønsberg 1999)
halei (Tuck.) S. Y. Kondr. Syn.: *Pannaria halei*, *Phyllopsora halei* (Kondratyuk et al. 2019)

helvola Körber ex Hellbom (Spribille et al. 2010) Syn.: *Lecidea helvola*
kalbii (Brako) S. Y. Kondr. Syn.: *Phyllopsora kalbii* (Kondratyuk et al. 2019)
kodiakensis Printzen & Tønsberg (Printzen & Tønsberg 2004)
longispora (Degel.) Lendemer & Printzen Syn.: *Lecidea helvola* var. *longispora* (Lendemer 2004b ; Kondratyuk et al. 2019)
marmorea T. Sprib. (Spribille et al. 2020)
meiocarpa (Nyl.) Arnold Syns.: *Lecidea meiocarpa*, *L. minuta*
meiocarpa var. **tacomensis** (Printzen & Tønsberg) Printzen & Tønsberg (Printzen & Tønsberg 2004) Syn.: *Lecidea meiocarpa* var. *tacomensis*
mendax Anzi (McMullin et al. 2017)
nobilis Printzen & Tønsberg (Printzen & Tønsberg 1999)
oligocarpa Printzen & Tønsberg (Printzen & Tønsberg 2004)
pausiaca Printzen & Tønsberg (Printzen & Tønsberg 2003)
pontica Printzen & Tønsberg (Printzen & Tønsberg 2003)
printzenii Tønsberg (Tønsberg 2002)
pyncnidiata Printzen & Tønsberg (Printzen & Tønsberg 2004)
rufidula (Graewe) S. Ekman & Printzen (Printzen & Tønsberg 1999)
sphaeroidiza (Vainio) Printzen & Holien (Dillman et al. 2012)
subduplex (Nyl.) Printzen (Printzen 1995) Syns.: *Lecidea subduplex*, *L. apochroeiza*, *L. internectens*
terrae-novae Printzen & J. W. McCarthy (Printzen et al. 2017)
toensbergii Holien & Printzen (Printzen & Tønsberg 1999)
troendelagica Holien & Printzen (Tønsberg & Printzen 2018)
vernalis (L.) Fr. Syn.: *Lecidea vernalis*
 akompsa Tuck. (Tuckerman 1888) = *Pentagenella akompsa* (Perlmutter et al. 2020)
 albohyalina (Nyl.) Bagl. & Carestia = *Mycobilimbia albohyalina* (Kondratyuk et al. 2019)
 albidula Willey (Tuckerman 1888) = *Myrionora albidula* (Kondratyuk et al. 2019)
 alnetorum S. Ekman & Tønsberg (Ekman & Tønsberg 2019, Spribille et al. 2020) = *Bacidia alnetorum* (Kondratyuk et al. 2019)
 amaurospoda Anzi = *Frutidella furfuracea*
 anthracophila (Nyl.) Hafellner = *Carbonicola anthracophila*
 artyta Tuck. (Tuckerman 1888) Identity uncertain, acc. to Zahlbruckner, not the same as *Lecidea artyta* Ach.
 atrogrisea Delise (Tuckerman 1888) = *Bacidia laurocerasi*
 atropurpurea (Schaerer) Hepp = *Catinaria atropurpurea*
 atrofufa (Dickson) Fr. (Tuckerman 1888) = *Lecidoma demissum*
 austinii Tuck. (“augustinii,” Tuckerman 1888) = *Bacidia austinii*
 botryosa Fr. (Printzen 1995) = *Hertelidea botryosa*
 calcivora (Schaerer) Tuck. (Tuckerman 1888) = *Clauzadea immersa*
 caloosensis Tuck. (Tuckerman 1888) = *Bacidia hostheleoides*
 campestris Fr. (Tuckerman 1888) = *Sarcosagium campestre*
 carnealbida (Müll. Arg.) Coppins = *Mycobilimbia carnealbida*
 carnulenta Tuck. (Tuckerman 1888) = *Lecidea carnulenta*
 chlorantha Tuck. (Tuckerman 1888) = *Ropalospora chlorantha*
 chlorosticta (Tuck.) Tuck. (Tuckerman 1888) = *Micarea chlorosticta*
 cinnabarina (Sommerf.) Fr. (Tuckerman 1888) = *Ramboldia cinnabarina*
 cladoniscum Willey (see note under *Nesolechia cladoniscum*)
 coarctata (Turner) Th. Fr. (Tuckerman 1888) = *Trapelia coarctata*
 coarctata var. *brujeriana* (Schaerer) Tuck. (Tuckerman 1888) = *Ainoa mooreana* (but a misidentification for N.A. acc. to Brodo & Lendemer 2015)
 crenata (Taylor) Tuck. (Tuckerman 1888) = *Psora crenata*
 crenata f. *dealbata* Tuck. (Tuckerman 1888) = *Psora crenata*
 cupreorosella (Nyl. ex Stizenb.) Tuck. (Tuckerman 1888) = *Lecania cuprea*
 cyphalea Tuck. (Tuckerman 1888) = *Strangospora cyphalea*
 cyrtella (Ach.) W. Mann = *Lecania cyrtella*
 decipiens (Ehrh.) Fr. = *Psora decipiens*

declinis Tuck. (Tuckerman 1888) = *Catillaria nigroclavata*
 decolorans (Hoffm.) Fr. (Tuckerman 1888) = *Trapeliopsis granulosa*
 denigrata Fr. (Tuckerman 1888) = *Micarea denigrata*
 diapensiae (Th. Fr.) Arnold (Tuckerman 1888) = *Bryobilimbia diapensiae*
 difformis (Fr.) Tuck. (Tuckerman 1888) = *Sarea difformis*
 dryina (Ach.) Th. Fr. (Tuckerman 1888) = *Bactrospora dryina*
 effusa Hepp (Tuckerman 1888) = *Bacidina assulata* for N.A. records
 effusa var. arceutina Ach. (Tuckerman 1888) = *Bacidia arceutina*
 ementiens (Nyl.) Printzen (Printzen 2014) = *Myrionora ementiens* (Kondratyuk et al. 2019)
 epixanthoides (Nyl.) Diederich = *Mycobilimbia epixanthoides*
 exigua (Chaub.) Fr. (Tuckerman 1888) = *Lecidea varians* for N.A. records
 fendleri Mont. & Tuck (Tuckerman 1888) = *Phyllopsora parvifolia*
 flavens Willey (Tuckerman 1888) = *Bacidia flavens*
 flavidolivens Tuck. (Tuckerman 1888) = *Lecidea flavidolivens*
 flavopunctata (Tønsberg) Hinter. & Printzen = *Myrionora flavopunctata* (Kondratyuk et al. 2019)
 floridana Tuck. = *Fellhanera floridana*
 fossarum (Dufour) Mont. (Tuckerman 1888) = *Biatorrella hemisphaerica* for N.A. records
 franciscana Tuck. = *Lecania franciscana*
 friesii (Ach.) Tuck. = *Xylopsora friesii*
 furfurosa (Tuck. ex Nyl.) Tuck. (Tuckerman 1888) = *Malmidea furfurosa*
 furvonigrans Tuck. ex Willey = *Lecidea furvonigrans*
 fuscorubella (Hoffm.) Tuck. = *Bacidia polychroa*
 fuscescens (Sommerf.) Fr. (Tuckerman 1888) = *Lecanora fuscescens*
 geophana (Nyl.) Th. Fr. (Tuckerman 1888) = *Steinia geophana*
 glauconigrans Tuck. (Tuckerman 1888) = *Catillaria glauconigrans*
 globifera (Ach.) Fr. (Tuckerman 1888) = *Psora globifera*
 globifera var. rubiformis (Wahlenb. Ex Ach.) Torss. (Tuckerman 1888) = *Psora rubiformis*
 globulosa (Flörke) Fr. = *Myrionora globulosa* (Kondratyuk et al. 2019)
 granulosa (Hoffm.) Flotow (Tuckerman 1888) = *Trapeliopsis granulosa*
 granulosa var. flexuosa (Fr.) Flotow (Tuckerman 1888) = *Trapeliopsis flexuosa*
 griffithii (Sm.) Hepp (Tuckerman 1888) = *Cliostomum griffithii*
 *heerii Hepp (Tuckerman 1888) = *Scutula heerii*
 hemipolia (Nyl.) S. Ekman & Printzen = *Myrionora hemipolia* (Printzen 2014, Kondratyuk et al. 2019)
 holopolia Tuck. (Tuckerman 1888) = *Lecidea holopolia*
 hypnophila (Turner ex Ach.) Lönnr. (Tuckerman 1888) = *Bilimbia sabuletorum*
 hypomela "Nyl." (Mohr 1901) = *Lecidea hypomela?*
 hypophaea Printzen & Tønsberg (Printzen & Tønsberg 1999) = *Ivanpisutia hypophaea* (Kondratyuk et al. 2019)
 icterica Mont. (Tuckerman 1888) = *Psora icterica*
 incompta Hepp (Tuckerman 1888) = *Bacidia incompta*, an apparent misidentification for N.A.
 inundata Fr. (Tuckerman 1888) = *Bacidina inundata*
 ocelliformis (Nyl.) Arnold (Printzen & Otte 2005) = *Ivanpisutia ocelliformis* (Kondratyuk et al. 2019)
 jacobi Tuck. (Tuckerman 1888) = *Bacidia jacobi*
 laureri Hepp (Tuckerman 1888) = *Lecidella laureri*
 leucophaea Flörke ex Rabenh. (Tuckerman 1888) = *Miriquidica leucophaea*
 leucophaea var. griseoatra (Hoffm.) Körber (Tuckerman 1888) = *Miriquidica subplumbea*
 ligni-mollis T. Sprib. & Printzen (Spribille et al. 2009) = *Myrionora ligni-mollis* (Kondratyuk et al. 2019)
 lucida (Ach.) Fr. (Tuckerman 1888) = *Psilolechia lucida*
 lurida (Sw.) Fr. (Tuckerman 1888) = *Romjularia lurida*
 luridella Tuck. (Tuckerman 1888) = *Psora luridella*
 meadii Tuck. ex Willey = *Byssoloma meadii*
 medialis (Tuck) Tuck. (Tuckerman 1888) = *Bacidina medialis*
 melaena (Nyl.) Tuck. (Tuckerman 1888) = *Micarea melaena*

micrococca Körber (Tuckerman 1888) = *Micarea micrococca*
milliaria (Fr.) Tuck. (Tuckerman 1888) = *Micarea lignaria*
mixta Fr. (Tuckerman 1888) = *Cliostomum griffithii*
molybditis Tuck. = [Bacidina medialis](#)
moriformis (Ach.) Tuck. (Tuckerman 1888) = *Strangospora moriformis*
muscorum (Ach.) Fr. (Tuckerman 1888) = *Bacidia bagliettoana*
mutabilis (Fée) Mont. (Tuckerman 1888) = *Lecidea mutabilis*
myriocarpella G. Merr. = *Lecidea enalla* (Printzen 1995)
myriocarpoides (Nyl.) Tuck. (Tuckerman 1888) = *Lecidea plebeja*
naegeli Hepp. (Tuckerman 1888) = [Lecaniella naegeli](#)
nylanderi Anzi (Tuckerman 1888) = *Lecidea nylanderi*
ostreata (Hoffm.) Fr. (Tuckerman 1888) = *Hypocenomyce scalaris*
ostreata var. *cladonioides* Fr. (Tuckerman 1888) = *Carbonicola anthracophila*
**oxyspora* (Tul.) Tuck. (Tuckerman 1888) = [Nesolechia oxyspora](#)
paddensis Tuck. = *Lecanora paddensis* (McCune et al. 2014b)
pallens (Kullhem) Printzen (Printzen & Otte 2005) = [Coppinsidea pallens](#) (Kondratyuk et al. 2019)
panaeola (Ach.) Fr. (Tuckerman 1888) = *Amygdalaria panaeola*
papillariae Willey (see note under *Nesolechia cladoniscum*)
parvifolia (Pers.) Tuck. = *Phyllopsora parvifolia*
parvifolia var. *corallina* Tuck. (Tuckerman 1888) = *Phyllopsora parvifolia*
parvifolia var. *subgranulosa* Tuck. (Tuckerman 1888) = *Phyllopsora parvifolia*
peliaspis Tuck. (Tuckerman 1888) = *Lecidea peliaspis*
petri Tuck. = *Romjularia lurida*
porphyrospoda Anzi = *Myochroidea porphyrospoda*
prasina (Fr.) Fr. (Tuckerman 1888) = *Micaria prasina*
punctella Willey (Tuckerman 1888) = *Micarea rhabdogena*
pullata Norman = *Frutidella furfuracea*
pullula Tuck. = *Lecanora anopta*
quernea (Dickson) Fr. (Tuckerman 1888) = *Pyrrhospora quernea*
**resinae* (Fr.) Tuck. (Tuckerman 1888) = *Sarea resinae*
rivulosa (Ach.) Fr. (Tuckerman 1888) = *Fuscidea cyathoides*, but an apparent misidentification for N.A.
rivulosa var. *mollis* (Wahlenb.) Th. Fr. (Tuckerman 1888) = *Fuscida mollis*
rubella (Hoffm.) Rabenh. (Tuckerman 1888) = *Bacidia rubella*
rufofusca Anzi = *Myochroidea rufofusca*
rufonigra Tuck. = *Psorula rufonigra*
russula (Ach.) Mont. = *Ramboldia russula*
russellii Tuck. = *Psora russellii*
sanguineoatra (Wulfen) Tuck. (Tuckerman 1888) = *Bryobilimbia sanguineoatra*, but uncertain for N.A.
scotopholis Tuck. (Tuckerman 1888) = *Miriquidica scotopholis*
schweinitzii Fr. ex Tuck. (Tuckerman 1888) = *Bacidia schweinitzii*
scrupulosa Eckfeldt = *Fuscidea scrupulosa*
sibiriensis Willey ex Rothr. = *Lecania subfuscula* (Ekman 1996, Dillman et al. 2012)
sphaeroides (Dickson) Körber = *Mycobilimbia pilularis*
stenospora Hepp (Tuckerman 1888) = *Biatora beckhausii*
stigmatella Tuck. (Tuckerman 1888) = *Lecania stigmatella*
suffusa Fr. = *Bacidia suffusa*
tornoënsis (Nyl.) Th. Fr. (Tuckerman 1888) = *Japewia tornoënsis*
trachona (Ach.) Körber (Tuckerman 1888) = *Bacidia trachona*, but a misidentification for N.A. (Llop & Ekman 2004)
tricholoma Mont. (Tuckerman 1888) = *Byssoloma tricholomum*
turgidula (Fr.) Nyl. = *Lecidea turgidula*
uliginosa (Schrader) Fr. (Tuckerman 1888) = *Placynthiella uliginosa*
umbrina (Ach.) Tuck. (Tuckerman 1888) = *Scoliciosporum umbrinum*

[vacciniicola](#) (Tønsberg) Printzen (Printzen 1995) = [Myrionora vacciniicola](#) (Kondratyuk et al. 2019)

varians (Ach.) Eschw. = *Lecidea varians*

verecundula (Th. Fr.) Tuck. (Tuckerman 1888) = *Bacidia verecundula*, but a misidentification for N.A. (Ekman 1996)

viridescens (Schrader) W. Mann = *Trapeliopsis viridescens*

viridescens var. *gelatinosa* (Flörke) Fr. (Tuckerman 1888) = *Trapeliopsis gelatinosa*

wallrothii (Flörke ex Sprengel) Körber (Tuckerman 1888) = *Trapeliopsis wallrothii*, but a misidentification for N.A.

BIATORELLA De Not.

camptocarpa (Tuck.) Fink (Tuckerman 1888, Fink 1935, Esslinger & Tucker 2009)

conspurcans Norman (Dillman et al. 2012)

contigua N. S. Golubk. & Piin (Zhurbenko et al. 2005)

floridensis H. Magn.

fossarum (Dufour) Th. Fr. (Morse & Lendemer 2019)

hemisphaerica Anzi

albidula (Willey) Zahlbr. = *Myrionora albidula*

campestris (Fr.) Almq. = *Sarcosagium campestre*

clauzadeana Llimona & Vězda = *Acarospora clauzadeana*

clavus (DC.) Th. Fr. = *Sarcogyne clavus*

conspersa (Fée) Vainio = *Piccolia conspersa*

cyphalea (Tuck.) Zahlbr. = *Strangospora cyphalea* (Morse & Lendemer 2019)

geophana (Nyl.) Rehm (Fink 1935) = *Steinia geophana*

hypophaea (Nyl.) Blomb. & Forssell = *Sarcogyne hypophaea*

kulshanensis Herre = *Sporastatia testudinea* (Ketzner 2010)

leucampyx Tuck. = *Bacidia schweinitzii* (Lendemer & Harris 2012)

microhaema Norman = *Strangospora microhaema*

moriformis (Ach.) Th. Fr. = *Strangospora moriformis*

nannaria (Tuck.) Zahlbr. (Fink 1935) = *Piccolia nannaria*

ochrophora (Nyl.) Arnold = *Piccolia ochrophora*

plicata (H. Magn.) Zahlbr. = *Sarcogyne plicata* (Knudsen & Lendemer 2005a)

pruinosa "(Körber) Mudd" = *Sarcogyne regularis*

rappii Zahlbr. = *Ramonia microspora* (Lendemer & Knudsen 2011)

[†]*resinae* (Fr.) Th. Fr. = *Sarea resinae*

revertens (Tuck.) Herre (Tuckerman 1882, Fink 1935) = [Acarospora privigna](#) (Knudsen et al. 2021b)

simplex (Taylor) Branth & Rostrup = [Acarospora privigna](#) (Knudsen et al. 2021b)

terrena Hasse = *Sarcogyne crustacea* (Knudsen & Kocourková 2010a)

testudinea (Ach.) A. Massal. = *Sporastatia testudinea*

BIATORIDIUM J. Lahm

delitescens (Arnold) Hafellner (Ekman 1996)

lasiothecium C. A. Morse & Lendemer (Morse & Lendemer 2019)

monasteriense J. Lahm ex Körber (McCune & Rosentreter 2014)

BIATOROPSIS Räsänen

***minuta** Millanes, Diederich, M. Westb. & Wedin (Millanes et al. 2016)

***usnearum** Räsänen

BIAZROVIA Zhurb. & Etayo

***stereocaulicola** Zhurb. & Etayo (Zhurbenko & Pino-Bodas 2017)

BIBBYA J. H. Willis

bullata (Meyen & Flotow) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Toninia bullata* (Kistenich et al. 2018)

lutosa (Ach.) Kistenich, Timdal, Bendiksby & S. Ekman Syns.: (?)*Catillaria crystallifera*, *Tonina lutosa* (Kistenich et al. 2018)
ruginosa (Tuck.) Kistenich, Timdal, Bendiksby & S. Ekman subsp. **ruginosa** Syns.: *Lecidea ruginosa*, *Toninia ruginosa* subsp. *ruginosa* (Kistenich et al. 2018)
ruginosa subsp. **pacifica** (Timdal) Timdal Syn.: *Toninia ruginosa* susp. *pacifica* (Kistenich et al. 2018)
vermifera (Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman (Kistenich et al. 2018) Syns.: *Bacidia vermifera*, *Lecidea hegetschweileri* auct. (Ekman 1996)

BILIMBIA De Not.

accedens Arnold Syns.: *Mycobilimbia accedens*, *Myxobilimbia accedens* (Spribille et al. 2010)
lobulata (Sommerf.) Hafellner & Coppins Syns.: *Mycobiolimbica lobulata*, *Toninia lobulata* (Veldkamp 2004), *Toninia syncomista*
microcarpa (Th. Fr.) Th. Fr. Syns.: *Bacidia microcarpa*, *Mycobilimbia microcarpa* (Veldkamp 2004)
sabuletorum (Schreber) Arnold Syns.: *Bacidia sabuletorum*, *B. hypnophila*, *Biatora hypnophila*, *Mycobilimbia sabuletorum*, *Myxobilimbia sabuletorum* (Veldkamp 2004)
acclinis (A. Massal.) Trevisan (Fink 1935) = ***Toninia populorum*** (Ekman 1996)
bacidioides Körber (Tuckerman 1888) = *Biatora cuprea*
caloosensis (Tuck.) Fink (Fink 1935) = *Bacidia hostheleoides* (Ekman 1996)
caudata (Nyl.) Fink = *Ropalospora lugubris*
coprodes Körber (Tuckerman 1888) = *Bacidia coprodes*
cupreorosella (Nyl. ex Stizenb.) Bausch (Fink 1935) = *Lecania cuprea* (Ekman 1996)
declinis (Tuck.) Fink (Fink 1935) = *Catillaria nigroclavata* (Ekman 1996)
floridana (Tuck.) Riddle (Fink 1935) = *Fellhanera floridana* (Ekman 1996)
granosa (Tuck.) Fink (Fink 1935) = *Bacidia granosa* (Ekman 2014)
gyalectiformis Zahlbr. = *Ramonia gyalectiformis*
gyalizella (Nyl.) Fink (Fink 1935) = *Gyalecta gyalizella* (Baloch et al. 2013a)
lignaria (Ach.) A. Massal. (Fink 1935) = *Micarea lignaria*
meadii (Tuck.) Fink (Fink 1935) = *Byssoloma meadii* (Tuck. ex Willey) S. Ekman (Ekman 1996)
melaena (Nyl.) Arnold (Fink 1935) = *Micarea melaena*
molybditis (Tuck.) Fink (Fink 1935) = ***Bacidina medialis***
naegeli (Hepp) Kremp. (Fink 1935) = ***Lecaniella naegeli***
pammellii Fink (Fink 1935) = *Bacidia granosa* (Ekman 2014)
ravenelii (Tuck.) Fink (Fink 1935) = *Bacidia ravenelii* (Ekman 1996)
rubidofusca (Willey) Fink (Fink 1935) = *Bacidia rubidofusca* (Ekman 1996)
rubricosa (Müll. Arg.) Fink (Fink 1935) = *Ophioparma rubricosa* (Ekman 1996)
sphaeroides (Dickson) Körber (Fink 1935) = *Mycobilimbia pilularis* (Ekman 1996)
sphaeroides auct. = *Mycobilimbia carneoalbida* (Ekman 1996)
trachona (Ach.) Trevisan (Fink 1935) North American reports are *Bacidia coprodes* (Llop & Ekman 2004)
trisepta (Nägeli) Arnold = *Micarea peliocarpa* (Santesson et al. 2004)
tricholoma (Mont.) Fink = *Byssoloma tricholomum*

BISPORA Fuckel

**christiansenii* D. Hawksw. (Alstrup & Cole 1998) = *Intralichen christiansenii*
 **lichenum* Diederich (Cole & Hawksworth 2001) = *Intralichen lichenum*

BLASTENIA A. Massal. (Arup et al. 2013)

ammiospila (Wahlenb.) Arup, Søchting & Frödén Syns. *Caloplaca ammiospila*, *C. cinnamomea*, *C. discoidalis*
ferruginea (Hudson) Th. Fr. Syn.: *Caloplaca ferruginea*, *Placodium ferrugineum*
furfuracea (H. Magn.) Arup, Søchting & Frödén Syn.: *Caloplaca furfuracea*
atrosanguinea (G. Merr.) Fink (Fink 1935) = *Caloplaca atrosanguinea*
crenularia (With.) Arup, Søchting & Frödén = misidentification for North America (Wetmore 1996)

diphasia (Tuck.) Zahlbr. = Caloplaca diphasia
festiva (Ach.) A. Massal. = Caloplaca crenularia, but North American records incorrect according to Wetmore (1996)
floridana (Tuck.) Zahlbr. = Caloplaca floridana
fraudans (Th. Fr.) B. de Lesd. = Caloplaca fraudans
luteominia (Tuck.) Hasse = Polycauliona luteominea
novomexicana Fink = a Caloplaca sp.?
rubrofusca B. de Lesd. = a Caloplaca sp.?
sinapisperma (DC.) A. Massal. = Bryoplaca sinapisperma

BLENNOTHALLIA Trevisan (Otálora et al. 2014)

crispa (Hudson) Otálora, P. M. Jørg. & Wedin Syn.: Collema cheilum, C. crispum

fecunda (Degel.) Otálora, P. M. Jørg. & Wedin Syn.: Collema fecundum

BOGORIELLA Zahlbr.

+apposita (Nyl.) Aptroot & Lücking (Aptroot & Lücking 2016) Syn.: Mycomicrothelia apposita (Seavey et al. 2017)

#captiosa (Kremp.) Aptroot & Lücking Syn.: Mycomicrothelia captiosa (Aptroot & Lücking 2016)

+decipiens (Müll. Arg.) Aptroot & Lücking (Aptroot & Lücking 2016) Syn.: Mycomicrothelia decipiens (Seavey et al. 2017)

#hemisphaerica (Müll. Arg.) Aptroot & Lücking Syn.: Mycomicrothelia hemisphaerica (Aptroot & Lücking 2016)

socialis (Zahlbr.) Aptroot & Lücking Syn.: Mycomicrothelia socialis (Aptroot & Lücking 2016)

#subfallens (Müll. Arg.) Aptroot & Lücking Syn.: Mycomicrothelia subfallens (Aptroot and Lücking 2016)

BOMBYLIOSPORA De Not. ex A. Massal. = MEGALOSPORA

domingensis (Pers.) Zahlbr. = Letrouitia domingensis

pachycheila (Tuck.) Zahlbr. = Megalospora pachycheila

porphyritis (Tuck.) A. Massal. = Megalospora porphyritis

tuberculosa (Fée) De Not. = Megalospora tuberculosa

vulpina (Nyl.) J. M. Burgess = nom. inval. = Letrouitia vulpina

BORRERA Ach. = Teloschistes

tenella (Scop.) Ach. = Physcia tenella

BOTRYDINA Bréb. = LICHENOMPHALIA

botryoides (L.) Redhead & Kuyper = Lichenomphalia umbellifera

luteovitellina (Pilát & Nannf.) Redhead & Kuyper = Lichenomphalia alpina

velutina (Quélet) Redhead & Kuyper = Lichenomphalia velutina

viridis (Ach.) Redhead & Kuyper = Lichenomphalia hudsoniana

vulgaris Bréb. sens. str. = Lichenomphalia umbellifera

BOTRYOLEPRARIA Canals, Hernández-Mariné, Gómez-Bolea & Llimona

lesdainii (Hue) Canals, Hernández-Mariné, Gómez-Bolea & Llimona Syn.: Lepraria lesdainii (Canals et al. 1997)

BOTTARIA A. Massal. = MYCOPORUM Flotow ex Nyl.

cruentata Müll. Arg. = Pyrenula cruentata

BRACKELIA Zhurb.

***lunkei** Zhurb. (Zhurbenko & Pino-Bodas 2017)

BRIANARIA S. Ekman & M. Svensson (Ekman & Svensson 2014)

bauschiana (Körber) S. Ekman & M. Svensson Syn.: Lecidea dilutiuscula, L. lynceola auct. N.

Am., *Micarea bauschiana*

lutulata (Nyl.) S. Ekman & M. Svensson Syn.: *Lecidea lutulata*, *Micarea lutulata*

sylicicola (Flotow ex Körber) S. Ekman & M. Svensson Syn.: *Lecidea sylicicola*, *Micarea sylicicola*

tuberculata (Sommerf.) S. Ekman & M. Svensson Syn.: *Micarea tuberculata*

BRIANCOPPINSIA Diederich, Ertz, Lawrey & van den Boom (Diederich et al. 2012)

***cytopora** (Vouaux) Diederich, Ertz, Lawrey & van den Boom (Diederich et al. 2012, Kocourková et al. 2012) Syn.: *Phoma cytopora*

BRIGANTIAEA Trevisan

fuscolutea (Dickson) R. Sant. Syn.: *Lopadium fuscoluteum*

leucoxantha (Sprengel) R. Sant. & Hafellner Syn.: *Lopadium leucoxanthum*, *Heterothecium leucoxanthum*

praetermissa Hafellner & St. Clair (Hafellner 1997)

purpurata (Zahlbr.) Hafellner & Bellem. (Goward et al. 1996) = *B. praetermissa* (Hafellner 1997)

BRODOA Goward

oroarctica (Krog) Goward Syn.: *Hypogymnia oroarctica*.

atrofusca (Schaerer) Goward Syn.: *Hypogymnia atrofusca*, *Parmelia atrofusca*. North American reports are probably misidentifications of *Brodoa oroarctica*

intestiniformis (Vill.) Goward Syn.: *Hypogymnia intestiniformis*, *H. encausta*, *Parmelia*

intestiniformis, *P. encausta*. North American reports are misidentifications of *Brodoa oroarctica*

BRUCEA Rikkinen (Rikkinen 2003b) = **BRUCEOMYCES** Rikkinen (Tuovila et al. 2012)

+**castoris** Rikkinen = *Bruceomyces castoris*

BRUCEOMYCES Rikkinen (Tuovila et al. 2012)

+**castoris** Rikkinen

BRYOBILIMBIA Fryday, Printzen & S. Ekman (Fryday et al. 2014)

ahlesii (Körber) Fryday, Printzen & S. Ekman Syn.: *Lecidea ahlesii*, *L. delincta*, *L. virginienensis*

ahlesii var. **nemoralis** (J. Lowe) Fryday, Printzen & S. Ekman Syn.: *Lecidea ahlesii* var.

nemoralis, *L. nemoralis*

diapensiae (Th. Fr.) Fryday, Printzen & S. Ekman Syn.: *Lecidea diapensiae*

hypnorum (Lib.) Fryday, Printzen & S. Ekman Syn.: *Lecidea hypnorum*, *L. fusca*, *L.*

templetonii, *L. atrofusca*, *L. sanguineoatra* sens. Nyl., *Mycobilimbia hypnorum*

BRYOCAULON Kärnefelt

divergens (Ach.) Kärnefelt Syn.: *Alectoria divergens*, *Cornicularia divergens*, *Coelocaulon divergens*

pseudosatoanum (Asahina) Kärnefelt Syn.: *Cornicularia pseudosatoana*

BRYODINA Hafellner

rhypariza (Nyl.) Hafellner & Türk (Zhurbenko 2013)

BRYONORA Poelt

castanea (Hepp) Poelt Syn.: *Lecanora castanea*

curvescens (Mudd) Poelt Syn.: *Lecania curvescens*

pruinosa (Th. Fr.) Holtan-Hartwig

septentrionalis Holtan-Hartwig

BRYOPHAGUS Nitschke ex Arnold

gloeocapsa Nitschke ex Arnold (fide J. Hafellner, see Appendix) = *Cryptodiscus gloeocapsa*

BRYOPLACA Söchting, Frödén & Arup (Arup et al. 2013)

jungermanniae (Vahl) Söchting, Frödén & Arup Syns.: *Caloplaca jungermanniae*, *Placodium jungermanniae*

sinapisperma (Lam. & DC.) Söchting, Frödén & Arup Syns.: *Blastenia sinapisperma*, *Caloplaca leucoraea*, *C. sinapisperma*, *Placodium sinapispermum*

tetraspora (Nyl.) Söchting, Frödén & Arup Syns.: *Caloplaca tetraspora*

BRYOPOGON Link

negativus Gyelnik = *Bryoria fuscescens*

pacificus Gyelnik = *Bryoria fuscescens*

BRYORIA Brodo & D. Hawksw.

alaskana Myllys & Goward (Myllys et al. 2016)

ambigua (Motyka) Bystr. & Fabiszewski Syns.: *Alectoria ambigua* (Bystrek & Fabiszewski 1998)

americana (Motyka) Holien Syns.: *Alectoria americana* (Holien 1994, Myllys et al. 2011)

bicolor (Ehrh.) Brodo & D. Hawksw. Syns.: *Alectoria bicolor*

carlottae Brodo & D. Hawksw.

cervinula Motyka ex Brodo & D. Hawksw. Syns.: *Alectoria cervinula*

fabiszewskiana Bystr. (Bystrek & Fabiszewski 1998)

fremontii (Tuck.) Brodo & D. Hawksw. Syns.: *Alectoria fremontii*, *A. corneliae*, *A. tenerrima*, *A. tortuosa*

furcellata (Fr.) Brodo & D. Hawksw. Syns.: *Alectoria nidulifera*, *Cornicularia fibrillosa*

furcellata subsp. **hawksworthiana** Bystr. & Fabiszewski (Bystrek & Fabiszewski 1998)

fuscescens (Gyelnik) Brodo & D. Hawksw. Syns.: *Alectoria fuscescens*, *A. positiva*, *Bryopogon pacificus*

glabra (Motyka) Brodo & D. Hawksw. Syns.: *Alectoria glabra* **irwinii** Goward & Myllys (Myllys et al. 2016)

kockiana Velmala, Myllys & Goward (Velmala et al. 2014)

nadvornikiana (Gyelnik) Brodo & D. Hawksw. Syns.: *Alectoria nadvornikiana*, *A. altaica*

nitidula (Th. Fr.) Brodo & D. Hawksw. Syns.: *Alectoria nitidula*, *A. irvingii*, *A. lanea* auct.

pseudofuscescens (Gyelnik) Brodo & D. Hawksw. Syns.: *Alectoria achariana*, *A. norstictica* nom. inval., *A. subtilis* nom. inval. (Velmala et al. 2014)

salazinica Brodo & D. Hawksw.

simplicior (Vainio) Brodo & D. Hawksw. Syns.: *Alectoria simplicior*, *A. nana* nom. nudum

tenuis (E. Dahl) Brodo & D. Hawksw. Syns.: *Alectoria tenuis*

trichodes (Michaux) Brodo & D. Hawksw. subsp. **trichodes** Syns.: *Alectoria canadensis*, *A. delicata* nom. nudum

trichodes subsp. **brodoana** Bystr. & Fabiszewski (Bystrek & Fabiszewski 1998)

trichodes subsp. **canadensis** (Motyka) Bystr. & Fabiszewski (Bystrek & Fabiszewski 1998)

abbreviata (Müll. Arg.) Brodo & D. Hawksw. = *Nodobryoria abbreviata*

capillaris (Ach.) Brodo & D. Hawksw. = *B. fuscescens* (Boluda et al. 2018); many N.A. reports are *B. pseudofuscescens*

chalybeiformis (L.) Brodo & D. Hawksw. = *B. fuscescens* (Velmala et al. 2014)

friabilis Brodo & D. Hawksw. (Velmala et al. 2014) = *B. pseudofuscescens* (Boluda et al. 2018)

implexa (Hoffm.) Brodo & D. Hawksw. = *B. fuscescens*; many North American records are *B. kockiana*

inactiva Goward, Velmala & Myllys (Velmala et al. 2014) = *B. pseudofuscescens* (Boluda et al. 2018)

lanestris (Ach.) Brodo & D. Hawksw. = *B. fuscescens* (Velmala et al. 2014; Boluda et al. 2018)

oregana (Tuck. ex Willey) Brodo & D. Hawksw. = *Nodobryoria oregana*

pikei Brodo & D. Hawksw. = *B. pseudofuscescens* (Boluda et al. 2018)

pseudocapillaris Brodo & D. Hawksw. = *Sulcaria spiralifera* (Myllys et al. 2014)

setacea (Ach.) Brodo & D. Hawksw. Not in North America.

spiralifera Brodo & D. Hawksw. = *Sulcaria spiralifera* (Myllys et al. 2014)

subcana (Nyl. ex Stizenb.) Brodo & D. Hawksw. = *B. fuscescens* (Velmala et al. 2014)

subdivergens (E. Dahl) Brodo & D. Hawksw. = *Nodobryoria subdivergens*

tortuosa (G. Merr.) Brodo & D. Hawksw. = *B. fremontii* (Velmala et al. 2009)
trichodes subsp. americana (Motyka) Brodo & D. Hawksw. = *B. americana* (Myllys et al. 2011)
vrangiana (Gyelnik) Brodo & D. Hawksw. (Velmala et al. 2014) = *B. fuscescens* (Boluda et al. 2018)

BRYOSCYPHUS Spooner

**lichenicola* Alstrup & M. S. Cole (Alstrup & Cole 1998)

BRYOSTIGMA Poelt & Döbbeler

muscigenum (Th. Fr.) Frisch & G. Thor Syn.: *Arthonia muscigena*, *A. leucodontis* (Frisch et al. 2014)

leucodontis Poelt & Döbbeler = *Bryostigma muscigenum*

BUELLIA De Not.

abstracta (Nyl.) H. Olivier (Giralt et al. 2011, Knudsen & Kocourková 2010c)

aethalea (Ach.) Th. Fr.

arborea Coppins & Tønsberg (Tønsberg & McCune 2001)

arnoldii Servít Syn.: *Hafellia arnoldii*

bahiana Malme Syn.: *Hafellia bahiana*

bolacina Tuck.

calcariaecola B. de Lesd.

callispora (C. Knight) J. Steiner Syn.: *Hafellia callispora*

capitis-regum W. A. Weber

cedricola Werner (Nordin 1999)

christophii Bungartz (Bungartz et al. 2004a)

circumpallida H. Magn. Syn.: *Endohyalina circumpallida*

concinna Th. Fr. (Bungartz et al. 2004b)

conspirans (Nyl.) Vainio (Bungartz 2004)

crystallifera (Vainio) Hav. (Goward et al. 1996)

curatellae Malme Syn.: *Hafellia curatellae*

disciformis (Fr.) Mudd Syn.: *Hafellia disciformis*

dispersa A. Massal.

dives (Th. Fr.) Th. Fr. (Haldeman 2018)

eganii Bungartz (Bungartz & Nash. 2004a)

elegans Poelt

elizae (Tuck.) Tuck. Syn.: *Gassicurtia elizae* (Lendemmer et al. 2013)

epigaea (Hoffm.) Tuck.

erubescens Arnold

fosteri (Imshaug & Sheard) Perlmutter & Rivas Plata Syn.: *Hafellia fosteri* (Perlmutter & Rivas Plata 2018)

georgei Trinkaus, H. Mayrhofer & Elix (Bungartz et al. 2007)

gibstoneorum Brodo & Sheard (Brodo & Sheard 2020)

griseovirens (Turner & Borrer ex Sm.) Almb.

halonia (Ach.) Tuck.

immersa Lyngé

#**imshaugii** Hafellner

jugorum (Arnold) Arnold

lacteoidea B. de Lesd.

lepidastra (Tuck.) Tuck. Syn.: *Lecidea lepidastra*

leptocline (Flotow) A. Massal.

maculata Bungartz (Bungartz 2004a)

mamillana (Tuck.) W. A. Weber Syn.: *Rinodina mamillana*, *R. thomae*

maritima (A. Massal.) Bagl. (Bungartz et al. 2007)

mexicana J. Steiner (Nordin 2000)

microbola (Tuck. ex Fink) Sheard Syn.: *Rinodina microbola*

#**miriquidica** Scheid. (Fryday 2006)

muriformis A. Nordin & Tønsberg (Nordin 1999)
nantiana B. de Lesd.
nashii Bungartz (Bungartz 2004)
navajoensis Bungartz (Bungartz 2004)
nigra (Fink) Sheard Syn.: *Rinodina nigra*
occidentalis Lynge (Lepage 1972)
ocellata (Flotow) Körber
oidalea (Nyl.) Tuck. Syn.: *Rhizocarpon oidaleum*
parastata (Nyl.) Zahlbr. Syn.: *Hafellia parastata*
pleiotera Malme Syn.: *Hafellia pleiotera*, *Hafellia bahiana* var. *pleiotera*, *Hafellia bahiana* var. “*pleiotropa*” (Perlmutter & Rivas Plata 2018)
prospersa (Nyl.) Riddle (Bungartz et al. 2004b)
pullata Tuck. (Bungartz et al. 2004b)
ryanii Bungartz (Bungartz et al. 2004b)
schaereri De Not.
sequax (Nyl.) Zahlbr. (Bungartz et al. 2004b) Many previous reports are *B. abstracta* (Giralt et al. 2011)
sharpiana Lendemer & R. C. Harris (Lendemer & Harris 2013a)
silicicola B. de Lesd.
smaragdula B. de Lesd.
spuria (Schaerer) Anzi
stellulata (Taylor) Mudd
stigmathea Körber
subaethalea B. de Lesd. (Bungartz & Nash 2004a)
subdispersa Mig. (Nordin 1999)
tesserata Körber (Rico et al. 2003)
triseptata A. Nordin (Nordin 1999)
tyrolensis Körber (Bungartz 2004)
uberior Anzi
vernicomma (Tuck.) Tuck. Syn.: *Gassicurtia vernicomma*
vilis Th. Fr.
 **adjuncta* Th. Fr. (Esslinger & Egan 1995) = *Amandinea adjuncta*
aethaleoides (Nyl.) H. Olivier = *B. aethalea*
alboatra (Hoffm.) Th. Fr. = *Diplotomma alboatrum*
alboatra var. *saxicola* (Fr.) Tuck. (Tuckerman 1888) = *Diplotomma alboatrum*
alpicola (Wahlenb.) Anzi (Tuckerman 1888) = *Rhizocarpon alpicola*
ambigua (Ach.) Malme = *Diplotomma ambiguum*
amphidexia Imshaug ex R. C. Harris = *Buellia circumpallida*
atrata (Sm.) Anzi = *Orphniospora moriopsis*
atroalba auct. (Tuckerman 1888) = *Rhizocarpon hochstetteri*
#badia (Fr.) A. Massal. = *Monerolechia badia* (Diederich et al. 2018)
badioatra (Flörke ex Sprengel) Körber = *Rhizocarpon badioatrum*
bahiana var. *pleiotropa* Malme = *Buellia pleiotera* (Perlmutter & Rivas Plata 2018)
blastenospora Zahlbr. = *B. parastata*
blumeri Zahlbr. = *B. dispersa*
bolanderi Tuck. (Tuckerman 1888) = *Rhizocarpon bolanderi*
bolanderi var. *sulphurosa* Tuck. (Tuckerman 1888) = *Rhizocarpon sulphurosum*
caloosensis Tuck. = *Gassicurtia catasema*
canescens (Dickson) De Not. = *Diploicia canescens*
catasema (Tuck.) Tuck. = *Gassicurtia catasema*
catawbensis Willey (Tuckerman 1888) = *Dermiscellum oulocheilum*
chloroleuca Körber (Bungartz et al. 2007, Spribille & Björk 2008) = *Tetramelas chloroleucus*
chlorophaea (Hepp ex Leighton) Lettau = *Diplotomma chlorophaeum*
coccinea (Fée) Aptroot = *Gassicurtia coccinea*
colludens (Nyl.) Arnold = *Rhizocarpon hochstetteri*
coniops (Wahlenb.) Th. Fr. = *Amandinea coniops*

contermina Arnold = *B. uberior*
 coracina (Nyl.) Körber = *Orphniospora moriopsis*
 curtisii (Tuck.) Imshaug = *Baculifera curtisii*
 dakotensis (H. Magn.) Bungartz = *Amandinea dakotensis*
 dialyta (Nyl.) Tuck. = *Chrimsofulvea dialyta*
 epipolia sensu auct. = *Diplotomma venustum* (Nordin 1996, McCune 2017)
 epipolia (Ach.) Mong. = *Diplotomma alboatrum* (Nordin 1996, McCune 2017)
 fimbriata (Tuck.) Imshaug = *B. tesserata*
 geographica (L.) Tuck. = *Rhizocarpon geographicum*
 geographica var. lecanorina (Körber) Tuck. (Tuckerman 1888) = *Rhizocarpon lecanorinum*
 geophila (Flörke ex Sommerf.) Lynge = *Tetramelas geophila*, but North American reports are *T. terricolus*
 glaucomaria (Nyl.) Tuck. (Tuckerman 1888) = *Phacographa glaucomaria*
 *glaucomarioides Willey ex Tuck. = [Sclerococcum glaucomarioides](#)
 glaziouana (Kremp.) Müll. Arg. = *B. mamillana*
 hassei Imshaug = *B. griseovirens*
 imshaugiana R. C. Harris = *Baculifera imshaugiana*
 *inquinata Tuck. = [Sclerococcum inquinatum](#)
 insignis (Nägeli ex Hepp) Th. Fr. = *Tetramelas insignis*
 isidiants (Nyl.) Zahlbr. = excluded as doubtful
 japonica (Tuck.) Tuck. (Sheard et al. 2008) = *Sculptolumina japonica*
 langloisii Imshaug = *Amandinea langloisii* (Marbach 2000)
 lauricassiae (Fée) Müll. Arg. = *Cratiria lauricassiae*
 lecanoroides H. Magn. = *Diplotomma venusta* (Bungartz et al. 2007)
 lepidastroidea Imshaug ex Bungartz (Bungartz 2004) = *B. sequax* (Giralt et al. 2011)
 leucomela Imshaug = *Amandinea leucomela*
 malmei Lynge = *B. aethalea*
 melanochlora (Kremp.) Müll. Arg. = *Cratiria melanochlora*
 *minimula Tuck. (Tuckerman 1888) = *Buelliella minimula*
 modesta (Kremp.) Müll. Arg. = *Cratiria americana*
 moriopsis (A. Massal.) Th. Fr. = *Orphniospora moriopsis*
 myriocarpa (DC.) De Not. = *Amandinea punctata*
 myriocarpa var. polyspora Willey (Tuckerman 1888) = *Amandinea polyspora*
 nivalis (Bagl. & Carestia) Hertel ex Hafellner = *Diplotomma nivalis*
 notabilis Lynge = *Rinodina notabilis*
 novomexicana B. de Lesd. = *B. tyrolensis*
 oederi (Hoffm.) Rostrup (Tuckerman 1888) = *Rhizocarpon oederi*
 oidalea (Tuck.) Tuck. var. penichra Tuck. (Tuckerman 1888) = *Diplotomma penichrum*
 pachnidisca R. C. Harris = *Gassicurtia subpulcella*
 papillata (Sommerf.) Tuck. = *Tetramelas papillatus*
 papillata var. albocincta Th. Fr. (Tuckerman 1888) = *Tetramelas papillatus*
 parasema (Ach.) De Not. = *B. disciformis*
 parasema var. triphragmia Nyl. (Tuckerman 1888) = *Buelliella disciformis*
 *parasitica (Flörke ex Sprengel) Th. Fr. (Tuckerman 1888) = [Sclerococcum parasiticum](#)
 *parmeliarum (Sommerf.) Arnold (Tuckerman 1888) = *Abrothallus parmeliarum*
 penichra (Tuck.) Hasse = *Diplotomma penichrum*
 *pertusariicola Willey ex Tuck. = *Dactylospora pertusariicola*
 petraea (Wulfen) Branth & Rostrup (Tuckerman 1888) = *Rhizocarpon petraeum*
 petraea var. albinea Tuck. (Tuckerman 1888) = *Rhizocarpon obscuratum*, but a misidentification for N.A.
 petraea var. grandis (Flörke ex Flotow) Tuck. (Tuckerman 1888) = *Rhizocarpon grande*
 petraea var. montagnei Tuck. (Tuckerman 1888) = *Rhizocarpon disporum*
 pinastri Erichsen (Erichsen 1940) = *Chrimsofulvea pinastri*
 placodiomorpha Vainio = *Orcularia placodiomorpha*
 polyspora (Willey) Vainio = *Amandinea polyspora*
 pruinella Imshaug = *B. tesserata*

pueblae B. de Lesd. = *B. dispersa*
 pulchella (Schrader) Tuck. = *Catolechia wahlenbergii*
 *pulverulenta (Anzi) Jatta = *Tetramelas pulverulentus*
 punctata (Hoffm.) A. Massal. = *Amandinea punctata*
 punctata var. polyspora (Willey) Fink = *Amandinea polyspora*
 radiata Tuck. = *Dimelaena radiata*
 rappii Imshaug ex R.C. Harris = *Endohyalina rappii*
 retrovertens Tuck. = *B. dispersa* (Bungartz et al. 2002)
 rinodinoides Anzi = misidentification for North America
 rinodinospora Riddle = *B. parastata*
 rittkensis Hellb. (Tuckerman 1888) = *Rhizocarpon rittkense*
 rubifaciens R.C. Harris = *Chrimofulvea rubifaciens*
 saurina W. A. Weber = *Rhizocarpon saurinum*
 *saxatilis (Schaerer) Körber (Tuckerman 1888) = [Sclerococcum saxatile](#)
 saxicola B. de Lesd. = *B. sequax*
 scabrosa (Ach.) A. Massal. = *Epilichen scabrosus*
 semitensis Tuck. = *B. concinna*
 stigmaea Tuck. = *B. maculata*
 stillingiana J. Steiner = *B. erubescens* (Bungartz et al. 2007)
 subalbula (Nyl.) Müll. Arg. North American reports are *B. maritima* (Bungartz et al. 2007)
 subdisciformis (Leighton) Jatta (Mohr 1901) = *B. disciformis*
 subpostumum Nyl. (Mohr 1901) = *Rhizocarpon subpostumum*, but a misidentification for North America
 subpulcella Vainio = *Gassicurtia subpulcella*
 tergestina J. Steiner & Zahlbr. = *B. dispersa*
 terricola A. Nordin (Nordin 1999) = *Tetramelas terricolus*
 thomae (Tuck.) Imshaug = *B. mamillana*
 tolucae B. de Lesd. (Nordin 1999) = *B. mexicana* (Bungartz et al. 2007)
 triphragmioides Anzi = *Tetramelas triphragmioides*
 *trypethelii Tuck. (Tuckerman 1888) = *Buelliella trypethelii*
 tucsonensis Zahlbr. = *B. dispersa* (Bungartz et al. 2007)
 #turgescens Tuck. = [Monerolechia badia](#) (Bungartz & Nash 2004c, Diederich et al. 2018)
 #turgescensoides Fink = [Monerolechia badia](#) (Bungartz & Nash 2004c, Diederich et al. 2018))
 *urceolata Th. Fr. (Tuckerman 1888) = [Sclerococcum urceolatum](#)
 venusta (Körber) Lettau = *Diplotomma venustum*
 verruculosa (Sm.) Mudd = *B. aethalea*
 verruculosa auct. = *B. ocellata*
 wahlenbergii (Ach.) Sheard = *Catolechia wahlenbergii*
 wheeleri R. C. Harris = *Ciposia wheeleri*
 zahlbruckneri J. Steiner = *B. erubescens*
 zahlbruckneri sensu Imshaug = mostly *Tetramelas chloroleucus* (Bungartz et al. 2007)

BUELLIELLA Fink

***inops** (Triebel & Rambold) Hafellner Syn.: *Karschia inops* (Hafellner 2004a)
 ***minimula** (Tuck.) Fink Syn.: *Buellia minimula*
 ***physciicola** Poelt & Hafellner (Esslinger & Egan 1995)
 ***poetschii** Hafellner (Hafellner et al. 2008)
 ***trypethelii** (Tuck.) Fink Syn.: *Buellia trypethelii*
 *inquilina (Tuck.) Fink = [Sclerococcum inquilinum](#)
 *nuttallii (Calk. & Nyl.) Fink = [Sclerococcum lobariellum](#)
 *parmeliarum (Sommerf.) Fink = *Abrothallus parmeliarum*
 *saxatilis (Schaerer) Fink = [Sclerococcum saxatile](#)
 *usneae (Rabenh.) Fink = misidentification for North America

BUELLIOPSIS A. Schneider = **BUELLIA**

papillata (Sommerf.) Fink = *Tetramelas papillata*
vernica (Tuck.) A. Schneider = *Buellia vernica*

BULBOTHRIX Hale

confoederata (W. L. Culb.) Hale Syn.: *Parmelia confoederata*
coronata (Fée) Hale Syn.: *Parmelia coronata*
isidiza (Nyl.) Hale
laevigatula (Nyl.) Hale Syn.: *Parmelia laevigatula*
scortella (Nyl.) Hale (Benatti & Elix 2012) Syn.: *Parmelia njalensis*, *P. scortella*
goebelii (Zenker) Hale North American reports are *B. scortella* (Benatti & Elix 2012)

BULLATINA Vězda & Poelt

aspidotum (Vainio) Vězda & Poelt = *Calenia aspidotum*

BUNODOPHORON A. Massal.

melanocarpum (Sw.) Wedin Syn.: *Sphaerophorus melanocarpus*

BURGELLA Diederich & Lawrey (Diederich & Lawrey 2007)

***flavoparmeliae** Diederich & Lawrey

BYSSOLOMA Trevisan

absconditum Farkas & Vězda (Seavey & Seavey 2012)
chlorinum (Vainio) Zahlbr. (Lücking et al. 2011b)
leucoblepharum (Nyl.) Vainio Syn.: *Lecidea leucoblephara*
maderense Breuss (Breuss 2016)
marginatum (Arnold) Sérus.
meadii (Tuck. ex Willey) S. Ekman Syns.: *Bacidia meadii*, *Biatora meadii*, *Bilimbia meadii*
subdiscordans (Nyl.) P. James
tricholomum (Mont.) Zahlbr. Syns.: *Biatora tricholoma*, *Bilimbia tricholoma*
pubescens Vězda ex R.C. Harris (Harris 1995a) = *B. meadii* (Brodo et al. 2001)
rotuliforme (Müll. Arg.) R. Sant. = *B. subdiscordans*

CAERULEOCONIDIA Zhurb. & Pino-Bodas

***ochrolechia** Zhurb. & Diederich (Haldeman 2018)

CAERULEUM K. Knudsen & Arcadia (Arcadia & Knudsen 2012)

heppii (Nägeli ex Körber) K. Knudsen & Arcadia Syns.: *Acarospora aeruginosa*, *A. heppii*,
Myriospora heppii
immersum (Fink) K. Knudsen & Arcadia Syns.: *Acarospora immersa*, *Myriospora immersa*

CALENIA Müll. Arg.

aspidotum (Vainio) Vězda Syn.: *Bullatina aspidota* (Lücking et al. 2007)

CALICIELLA Vainio = non-lichenized fungi

CALICIUM Pers.

abietinum Pers.
adpersum Pers.
brachysporum (Nádv.) K. Knudsen, Kocourk. & Lendemer Syn.: *Cyphelium brachysporum*
(Knudsen et al. 2020 (2019))
carolinianum (Tuck.) M. Prieto & Wedin Syns.: *Acolium carolinianum*, *Cyphelium*
carolinianum, *Thelomma carolinianum* (Prieto & Wedin 2017)
chlorosporum F. Wilson
***corynellum** (Ach.) Ach.
denigratum (Vainio) Tibell (McMullin et al. 2012)

glaucellum Ach.
hyperelloides Nyl.
lenticulare Ach.
leucochlorum Tuck.
lucidum (Th. Fr.) M. Prieto & Wedin Syn.: *Cyphelium lucidum* (Prieto & Wedin 2017)
montanum Tibell (Kolb & Spribille 2001)
notarisii (Tul.) M. Prieto & Wedin Syn.: *Cyphelium notarisii* (Prieto & Wedin 2017)
parvum Tibell
pinastri Tibell (Selva 2013)
pinicola (Tibell) M. Prieto & Wedin Syn.: *Cyphelium pinicola* (Prieto & Wedin 2017)
quercinum Pers.
salicinum Pers.
sequoiae C. Williams & Tibell (Williams & Tibell 2008)
tigillare (Ach.) Pers. Syn.: *Cyphelium tigillare*, *C. notarisii* subsp. *tigillare* (Prieto & Wedin 2017)
trabinellum (Ach.) Ach.
trachylioides (Nyl. ex Branth & Rostrup) Prieto & Wedin Syn.: *Cyphelium trachylioides*
viride Pers.
adaequatum Nyl. = *Allocalicium adaequatum* (Prieto & Wedin 2017)
albonigrum Nyl. = *Mycocalicium albonigrum*
#asikkalense Vainio = *Chaenothecopsis pusilla*
curtisii Tuck. = *Phaeocalicium curtisii*
curtisii var. *splendidulum* G. Merr. (Merrill 1909) = *Phaeocalicium curtisii* (Selva & McMullin 2020)
*disseminatum Ach. = *Microcalicium disseminatum*
#floerkei Zahlbr. = *Chaenothecopsis pusilla*
fuscipes Tuck. = *Mycocalicium fuscipes*
hemisphaericum Howard = *Allocalicium adaequatum*
hyperellum (Ach.) Ach. = *C. viride*
lentigerellum Tuck. = *C. lenticulare*
lichenoides (L.) Schumacher = *C. salicinum*
melanophaeum Sommerf. (Mohr 1901) = *Mycocalicium albonigrum*
microcephalum (Sm.) Ach. = *Sphinctrina anglica*
minutissimum G. Merr. (Merrill 1909) = *Phaeocalicium minutissimum*
obscura G. Merr. (Merrill 1909) = *Chaenotheca obscura* (Selva & McMullin 2020)
+parietinum Ach. (Claassen 1912) = *Mycocalicium subtile*
+populneum Brond. ex Duby = *Phaeocalicium populneum*
#pusillum auct. = *Chaenothecopsis pusilla*
pusiolum Ach. = *Chaenothecopsis pusiola*
queenslandiae (F. Wilson) Tibell = *C. chlorosporum*
ravenelii Tuck. = *Mycocalicium ravenelii*
roscidum (Ach.) Ach. nom. superfl. = *C. adpersum*
roscidum var. *trabinellum* (Ach.) Schaerer = *C. trabinellum* for North American records
sphaerocephalum (L.) Ach. = (?) *C. lichenoides*
#subpusillum Vainio = *Chaenothecopsis pusilla*
subquercinum Asahina = *C. lenticulare*
+subtile Pers. = *Mycocalicium subtile*
trachelinum Ach. = *C. salicinum*
turbinatum Pers. = *Sphinctrina turbinata*

CALLOME Otálora & Wedin (Otálora et al. 2014)

multipartita (Sm.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema multipartitum*

CALOGAYA Arup, Frödén & Søchting (Arup et al. 2013)

arnoldii (Wedd.) Arup, Frödén & Søchting Syn.: *Caloplaca arnoldii*, *C. arnoldii* subsp. *obliterata*

biatorina (A. Massal.) Arup, Frödén & Søchting Syn.: *Caloplaca biatorina*

bryochryson (Poelt) Vondrák Syns.: *Caloplaca alaskensis*, *C. bryochryson* (Vondrák et al. 2016)
decipiens (Arnold) Arup, Frödén & Søchting Syn.: *Caloplaca decipiens*
lobulata (Flörke) Arup, Frödén & Søchting Syn.: *Caloplaca lobulata*
pusilla (A. Massal.) Arup, Frödén & Søchting Syn.: *Caloplaca pusilla*
saxicola (Hoffm.) Vondrák Syns.: *Caloplaca saxicola*, *Placodiium murorum* (Vondrák et al. 2016)
alaskensis (Wetmore) Arup, Frödén & Søchting = *C. bryochryson* (Vondrák et al. 2016)

CALOPADIA Vězda

editae Vězda ex Chaves & Lücking (Lücking et al. 2011b)
floridana Hodges & Lücking (Lücking et al. 2011b)
fusca (Müll. Arg.) Vězda Syn.: *Lopadium fuscum*
imshaugii Common & Lücking (Lücking et al. 2011b)
lecanorella (Nyl.) Kalb & Vězda (Lücking et al. 2011b)
perpallida (Nyl.) Vězda (Lücking et al. 2011b)
puiggarii (Müll. Arg.) Vězda Syn.: *Lopadium puiggarii*
schomerae F. Seavey & J. Seavey (Seavey & Seavey 2011)
subcoerulescens (Zahlbr.) Vězda (Lücking et al. 2011b)

CALOPLACA Th. Fr.

adnexa Vězda
ahtii Søchting
albovariegata (B. de Lesd.) Wetmore Syn.: *Pyrenodesmia albovariegata*
alcarum Poelt
approximata (Lyngé) H. Magn.
atroalba (Tuck.) Zahlbr. Syn.: *Lecania perproxima* (van den Boom & Ryan 2004b)
atrocyanescens (Th. Fr.) H. Olivier (Spribille et al. 2010)
atroflava (Turner) Mong.
atrosanguinea (G. Merr.) I. M. Lamb Syns.: *Blastenia atrosanguinea*, *Lecanora atrosanguinea*
borealis (Vainio) Poelt
brouardii (B. de Lesd.) Zahlbr. (Nash et al. 1998)
brunneola Wetmore
californica Zahlbr.
camptidia (Tuck.) Zahlbr. Syn.: *Placodium camptidia*
carolinae H. Magn.
cascadensis H. Magn.
catalinae H. Magn.
celata Th. Fr.
cerina (Ehrh. ex Hedwig) Th. Fr. (Laundon 2005)
chlorina (Flotow) Sandst.
cinnabarina (Ach.) Zahlbr.
conversa (Kremp.) Jatta
dakotensis Wetmore
demissa (Körber) Arup & Grube Syns.: *Lecanora demissa*, *L. incusa*, *L. subolivascens* (Arup & Grube 1999)
diphasia (Tuck.) Wetmore Syns.: *Blastenia diphasia*, *Lecanora diphasia*, *Placodium diphasium*
diphyodes (Nyl.) Jatta Syn.: *Lecania arctica*
dispersa B. de Lesd.
durietzii H. Magn.
edwardiana J. R. Hoffm. & Lendemer (Hoffman & Lendemer 2020)
epiphora (Taylor) C. W. Dodge (Wetmore 2004a)
#epithallina Lyngé
erichansenii S. Y. Kondr., A. Thell, Kärnefelt & Elix (Vondrák et al. 2011)
erythrantha (Tuck.) Zahlbr. (Wetmore 2007b)
eugyra (Tuck.) Zahlbr. Syn.: *Placodium eugyrum*

exsecuta (Nyl.) Dalla Torre & Sarnth.
ferrugineofusca (Vainio) H. Magn.
floridana (Tuck.) S. Tucker Syns.: *Blastenia floridana*, *Lecanora floridana*, *Placodium floridanum*
fraudans (Th. Fr.) H. Olivier Syn.: *Blastenia fraudans*
fraxinea I. M. Lamb
fulvolutea (Arnold) Jatta (Thomson 1997)
fusciorufa H. Magn. (McCune et al. 2018)
granularis (Müll. Arg.) Zahlbr. (Wetmore 2004b)
[#]**grimmiae** (Nyl.) H. Olivier
groenlandica Lynge
[#]**insularis** Poelt
[#]**isidiigera** Vězda (Šoun et al. 2011)
kamczatica (Savicz) Savicz (Søchting 2004)
[#]**lecanorae** F. Seavey & J. Seavey (Seavey & Seavey 2012)
lecanoroides Lendemer (Lendemer et al. 2010)
lignicola Wetmore (Wetmore 2009)
lithophila H. Magn.
litoricola Brodo
livida (Hepp) Jatta
microphyllina (Tuck.) Hasse Syn.: *Placodium microphyllum*
[Pyrenodesmia montana B. de Lesd.]
neonii B. de Lesd.
neotropica Wetmore
nivalis (Körber) Th. Fr. Syn.: *Placodium nivale*
[Blastenia novomexicana Fink]
obamae K. Knudsen (Knudsen 2009)
obesimarginata Søchting (Søchting 2004)
oblongula (H. Magn.) Wetmore Syns.: *Apatoplaca oblongula*, *Lecidea oblongula*
obscurella (J. Lahm) Th. Fr.
oleicola (J. Steiner) van den Boom & Breuss (Goward et al. 1996)
oregona H. Magn.
parvula Wetmore
pheliophylla (Tuck.) Zahlbr.
[#]**pellodella** (Nyl.) Hasse Syn.: *Pyrenodesmia elaeodes*
phaeocarpella (Nyl.) Zahlbr.
phyllidizans Wetmore (Wetmore 2003)
pinicola H. Magn.
pollinii (A. Massal.) Jatta Syn.: *Placodium ferrugineum* var. *pollinii*
pratensis Wetmore (Wetmore 2009)
pygmaea Wetmore (Wetmore 2007a)
quercicola H. Magn.
reptans Lendemer & Hodkinson (Hodkinson & Lendemer 2012)
rubelliana (Ach.) Lojka
[Blastenia rubrofusca B. de Lesd.]
schaereri (Flörke) Zahlbr.
schoeferi Poelt (Wetmore 2007a)
sibirica H. Magn. (Søchting & Olech 1995)
sideritis (Tuck.) Zahlbr. Syn.: *Placodium cerinum* var. *sideritis*
sipeana H. Magn.
sonorae Wetmore (Wetmore 1996)
soralifera Vondrák & Hrouzek (Wetmore 2009)
sorocarpa (Vainio) Zahlbr.
spaldingii Zahlbr.
spitsbergensis H. Magn.
stanfordensis H. Magn.

stillucidiorum (Vahl) Lyngé (Šoun et al. 2011, Arup et al. 2013)
subnitida (Malme) Zahlbr.
subpyraceella (Nyl.) Zahlbr.
tornoënsis H. Magn.
turkuensis (Vainio) Zahlbr. (Šoun et al. 2011)
ulcerosa Coppins & P. James (Wetmore 2004b)
ulmorum (Fink) Fink (Šoun et al. 2011) But see also Wetmore 2007b
urceolata B. de Lesd.
verrucosa Hasse
wetmorei Nimis, Poelt & Tretiach
wrightii (Tuck.) Fink Syn.: *Placodium ferrugineum* var. *wrightii*
yuchiorum Lendemer & C. A. Morse (Lendemer & Morse 2010)
alaskensis Wetmore (Wetmore 2004b) = *Calogaya bryochryson* (Vondrák et al. 2016)
alboatra (Tuck.) Zahlbr. (Flowers 1953/1954) Misspelling of *C. atroalba*
allochroa Y. Joshi, Vondrák & Hur (Spribille et al. 2020) = *Gyalolechia allochroa*
amabilis (Fink) Zahlbr. = *C. pellodella*
ammiospila (Wahlenb.) H. Olivier = *Blastenia ammiospila*
arenaria (Pers.) Müll. Arg. = *Rufoplaca arenaria*
arizonica H. Magn. = *Gyalolechia epiphyta* (Vondrák et al. 2016)
arizonica E. Rudolph non H. Magn. = *C. pellodella*
arnoldii (Wedd.) Zahlbr. subsp. *obliterata* (Pers.) Gaya (Gaya 2009) = *Calogaya arnoldii*
aurantia (Pers.) Hellbom = *Variospora aurantia*
aurantiaca (Lightf.) Th. Fr. = *Gyalolechia flavorubescens*
austrocitrina Vondrák, Řiha, Arup & Søchting (Knudsen & Kocourková 2010e) = *Flavoplaca austrocitrina*
biatorina (A. Massal.) J. Steiner (Gaya 2009) = *Calogaya biatorina*
bolacina (Tuck.) Herre = *Polycauliona bolacina*
bolanderi (Tuck.) H. Magn. = *Polycauliona luteominea* var. *bolanderi*
bracteata (Hoffm.) Jatta = *Gyalolechia bracteata*
brattiae W. A. Weber = *Polycauliona brattiae*
bryochryson Poelt = *Gyalolechia bryochryson* (Vondrák et al. 2016)
caesiorufa (Wibel) Flagey = removed as a nomen confusum (Wetmore 1996)
caesiorufella (Nyl.) Zahlbr. = *C. phaeocarpella*
callopsisma (Ach.) Th. Fr. = *Variospora aurantia*
castellana (Räsänen) Poelt If treated as separate from *C. invadens* (= *Pachypeltis invadens*) as done by e.g. Alstrup (1991), this species has not yet been reported for North America
cerinelloides (Erichsen) Poelt (Qian & Klinka 1998) = *Athallia cerinelloides*
chrysodeta (Vainio) Domb. = *Leproplaca chrysodeta*
chrysophthalma Degel. = *Solitaria chrysophthalma*
cinnamomea (Th. Fr.) H. Olivier = *Blastenia ammiospila*
cirrochroa (Ach.) Th. Fr. = *Leproplaca cirrochroa*
citrina (Hoffm.) Th. Fr. = *Flavoplaca citrina*
cladodes (Tuck.) Zahlbr. = *Pachypeltis cladodes*
constipans (Nyl.) Zahlbr. = *Edrudia constipans*
coralloides (Tuck.) Hulting = *Polycauliona coralloides*
crenularia (With.) J. R. Laundon = *Blastenia crenularia*, but a misidentification for North America (Wetmore 1996)
crenulatella (Nyl.) H. Olivier (Knudsen & La Doux 2005) = *Xanthocarpia crenulatella*
decipiens (Arnold) Blomb. & Forssell = *Calogaya decipiens*
diplacia (Ach.) Riddle = doesn't occur N of Mexico (Wetmore 1994)
discernenda (Nyl.) Zahlbr. = *C. saxicola*
discoidalis (Vainio) Lyngé = *Blastenia ammiospila*
discolor (Willey) Fink = *Gyalolechia xanthostigmoidea* (Wetmore 2001, Arup et al. 2013)
elegans (Link) Th. Fr. = *Rusavskia elegans*
epiphyta Lyngé (Søchting & Tønsberg 1997) = *Gyalolechia epiphyta* (Vondrák et al. 2016)
erythrella (Ach.) Kieffer = *Gyalolechia flavovirescens*

feracissima H. Magn. = *Xanthocarpia feracissima*
 ferruginea (Hudson) Th. Fr. = *Blastenia ferruginea*
 festiva (Ach.) Zwackh = *Caloplaca crenularia*, but North American records incorrect according to Wetmore (1996)
 flavocitrina (Nyl.) H. Olivier (Arup 2006) = *Flavoplaca flavocitrina*
 flavogranulosa Arup = *Polycauliona flavogranulosa*
 flavorubescens (Hudson) J. R. Laundon = *Gyalolechia flavorubescens*
 flavovirescens (Wulfen) Dalla Torre & Sarnth. = *Gyalolechia flavovirescens*
 fulgens (Sw.) Körber = *Gyalolechia fulgens*
 furfuracea H. Magn. (Wetmore 2004a) = *Blastenia furfuracea*
 galactophylla (Tuck.) Zahlbr. = *Squamulea galactophylla*
 gilva (Hoffm.) Zahlbr. = *C. cerina*
 gloriae sensu Aptroot (1996) non Werner & Llimona = *Polycauliona verruculifera* (Arup 1997)
 granulosa (Müll. Arg.) Jatta = *Flavoplaca granulosa*
 herbidella (Hue) H. Magn. = *Blastenia herbidella*, but a misidentification for North America (Wetmore 2004a)
 herrei Hasse = *C. atrosanguinea*
 holocarpa (Hoffm. ex Ach.) A. E. Wade = *Athallia holocarpa*
 ignea Arup = *Polycauliona ignea*
 impolita Arup = *Polycauliona impolita*
 inconspicua Arup = *Polycauliona inconspicua*
 intermedia (B. de Lesd.) Zahlbr. = *C. cinnabarina* (Wetmore & Kärnefelt 1999)
 invadens Lyngby (Thomson 1997) = *Pachypeltis invadens*
 irubescens (Arnold) Zahlbr. = *Squamulea subsoluta*
 jungermanniae (Vahl) Th. Fr. = *Bryoplaca jungermanniae*
 lactea (A. Massal.) Zahlbr. = *Xanthocarpia lactea*
 laeta H. Magn. = *Polycauliona luteominia* var. *luteominia*
 lamprocheila (DC.) Flagey = *Rufoplaca arenaria*
 leucoraea (Ach. ex Flörke) Branth = *Bryoplaca sinapisperma*
 lobulata (Flörke) B. de Lesd. = *Calogaya lobulata*
 ludificans Arup = *Polycauliona ludificans*
 luteoalba (Turner) Th. Fr. = *Cerothallia luteoalba*
 luteominia (Tuck.) Zahlbr. var. *luteominia* = *Polycauliona luteominia* var. *luteominia*
 luteominia var. *bolanderi* (Tuck.) Arup = *Polycauliona luteominia* var. *bolanderi*
 marina (Wedd.) Zahlbr. subsp. *americana* Arup = *Flavoplaca marina*
 marmorata (Bagl.) Jatta (Knudsen & La Doux 2005) = *Xanthocarpia marmorata*
 microthallina (Wedd.) Zahlbr. = *Flavoplaca microthallina*
 modesta (Zahlbr.) Fink = *Squamulea subsoluta*
 murorum (Hoffm.) Th. Fr. = *C. saxicola*
 nashii Nav.-Ros., Gaya & Hladun (Kudsen & La Doux 2005) = *Polycauliona nashii*
 obliterans (Nyl.) Blomb. & Forssell = *Leproplaca obliterans*
 oxfordensis Fink = *Rufoplaca oxfordensis*
 parviloba Wetmore (Wetmore 2003) = *Squamulea parviloba*
 paulsenii (Vainio) Zahlbr. = misidentification for North America
 persimilis Wetmore (Wetmore 2004b) = *Gyalolechia persimilis*
 phlogina (Ach.) Flagey (Richardson et al. 2009, Vondrák et al. 2010) = *Polycauliona phlogina*
 pusilla (A. Massal.) Zahlbr. (Gaya 2009) = *Calogaya pusilla*
 pyracea (Ach.) Zwackh (Arup 2009) = *Athallia pyracea*
 rosei Hasse = *Polycauliona rosei*
 sarcopisoides (Körber) Zahlbr. = *C. obscurella*
 saxicola (Hoffm.) Nordin = *Calogaya saxicola*
 saxifragarum Poelt = *Athallia saxifragarum*
 scopularis (Nyl.) Lettau = *Athallia scopularis*
 scotoplaca (Nyl.) H. Magn. = misidentification for North America (Wetmore 1996)
 sinapisperma (Lam. & DC.) Maheu & A. Gillet = *Bryoplaca sinapisperma*
 soreidiata (Vainio) Du Rietz = *Rusavskia soreidiata*

splendens (Darb.) Zahlbr. = *Rusavskia elegans*
squamosa (B. de Lesd.) Zahlbr. = *Squamulea squamosa*
stantonii W. A. Weber ex Arup = *Gyalolechia stantonii*
stellata Wetmore & Kärnefelt (Wetmore & Kärnefelt 1998) = *Polycauliona stellata*
stipitata Wetmore (Wetmore 1999) = *Gyalolechia stipitata*
submexicana (B. de Lesd.) Zahlbr. = *Candelina submexicana*
subnigricans H. Magn. = *C. atrosanguinea*
subolivacea (Th. Fr.) Lyngé = *Parvoplaca tiroliensis*
subsoluta (Nyl.) Zahlbr. (Wetmore 2003) = *Squamulea subsoluta*
teicholyta (Ach.) J. Steiner = misidentification for North America (Wetmore 1996)
tetraspora (Nyl.) H. Olivier = *Bryoplaca tetraspora*
texana Wetmore & Kärnefelt (Wetmore & Kärnefelt 1998) = *Wetmoreana texana*
thallincola (Wedd.) Du Rietz Not in North America
tiroliensis Zahlbr. = *Parvoplaca tiroliensis*
tominii (Savicz) Ahlner (Wetmore 2001) = *Xanthocarpia tominii*
trachyphylla (Tuck.) Zahlbr. = *Xanthomendoza trachyphylla*
variabilis (Pers.) Müll. Arg. = *Pyrenodesmia variabilis*
velana (A. Massal.) Du Rietz = *Variospora velana*
verruculifera (Vainio) Zahlbr. = *Polycauliona verruculifera*
vicaria H. Magn. = *C. kamezatica*
vitellinula (Nyl.) H. Olivier = *Athallia vitellinula*
xanthostigmoidea (Räsänen) Zahlbr. = *Gyalolechia xanthostigmoidea*

CALOPLACOPSIS (Zahlbr.) B. de Lesd. = **CANDELARIELLA**
submexicana (B. de Lesd.) B. de Lesd. = *Candelina submexicana*

CALVITIMELA Hafellner (Hafellner & Türk 2001)
aglaea (Sommerf.) Hafellner Syn.: *Lecidea aglaea*, *L. aglaeida* (Hertel & Andreev 2003), *L. shushanii*, *Tephromela aglaea*, *T. aglaeida*
armeniaca (DC.) Hafellner Syn.: *Lecidea armeniaca*, *Tephromela armeniaca*
cuprea Haugan & Timdal (Lendemer & Harris 2016)
melaleuca (Sommerf.) R. Sant. (Spribille et al. 2011, Dillman et al. 2012)
perlata (Haugan & Timdal) R. Sant. (Bendiksby et al. 2015)
talayana (Haugan & Timdal) Andreev (Hodkinson et al. 2009)
testaceoatra (Vainio) Hafellner Syn.: *Lecidea testaceoatra*, *L. arctogena*, *Tephromela testaceoatra*

CAMPYLOTHELIUM Müll. Arg.
amylosporum (Vainio) R. C. Harris = *Dictyomeridium amylosporum*
nitidum Zahlbr. = *Astrothelium megaspermum*

CANDELARIA A. Massal.
concolor (Dickson) Stein Syn.: *Teloschistes concolor* var. *effusa*
fibrosa (Fr.) Müll. Arg.
pacifica M. Westb. & Arup (Westberg & Arup 2011)
concolor var. *effusa* (Tuck.) G. Merr. & Burnham = *C. concolor* (Lendemer & Westberg 2010)

CANDELARIELLA Müll. Arg.
aggregata M. Westb. (Westberg 2007a)
antennaria Räsänen
arctica (Körber) R. Sant. Syn.: *Placodium crenulatum*
aurella (Hoffm.) Zahlbr. Syn.: *Placodium vitellinum* var. *aurellum*
biatorina M. Westb. (Westberg 2007c)
blastidiata Yakovchenko (Yakovchenko et al. 2017)
borealis M. Westb. (Westberg 2007b)
californica M. Westb. (Westberg 2007a)
canadensis H. Magn.

citrina B. de Lesd.
clarkiae E. Tripp & Lendemer (Tripp & Lendemer 2015)
complanata M. Westb. (Westberg 2007a)
coralliza (Nyl.) H. Magn.
corviniscalensis C. A. Morse & M. Westb. (Westberg et al. 2011b)
deppeanae M. Westb. (Westberg 2007a)
efflorescens R. C. Harris & W. R. Buck
granuliformis M. Westb. (Westberg et al. 2011b)
immarginata M. Westb. (Westberg 2007a)
kansuensis H. Magn. (Westberg 2007a)
lutella (Vainio) Räsänen
minuta Reichert & Galun (Weber & Wittman 2000)
placodizans (Nyl.) H. Magn.
rosulans (Müll. Arg.) Zahlbr.
spraguei (Tuck.) Zahlbr. Syn.: *Placodium spraguei*
subdeflexa (Nyl.) Lettau
vitellina (Hoffm.) Müll. Arg.
xanthostigma (Ach.) Lettau
xanthostigmoides (Müll. Arg.) R. W. Rogers (Lendemer & Westberg 2010)
 athallina (Wedd.) Du Rietz Excluded from North America (Westberg et al. (2011b)
 cerinella (Flörke) Zahlbr. = *C. aurella*
 corallizoides M. Westb. Erroneously listed here; reported only from Mexico (Westberg 2007a)
 crenulata (Wahlenb.) Zahlbr. = *C. arctica*
 deflexa (Nyl.) Zahlbr. = *C. aurella*, but N. American reports are mostly *C. antennaria* (Westberg 2007a)
 dispersa (Räsänen) Hakul. Excluded from North America (Westberg et al. 2011b)
 epixantha auct. = *C. aurella*
 epixantha (Ach.) Sandst. = *Candelariella aurella*
 holophaea (Mont.) Zahlbr. = *Solenopsora holophaea*
 hudsonica Hakul. = *C. canadensis*
 kuusamoensis Räsänen var. *areolata* Hakul. Excluded from North America (Westberg et al. 2011b)
 luteoalba (Turner) Lettau = *Cerothallia luteoalba*
 medians (Nyl.) Sm. North American reports probably refer to *Candelina submexicana*
 plumbea Poelt & Vězda Excluded from North America (Westberg et al. 2011b)
 reflexa (Nyl.) Lettau = misidentification for North America (Westberg et al. 2007)
 stenospora B. de Lesd. Excluded from North America (Westberg et al. 2011b)
 submexicana B. de Lesd. = *Candelina submexicana*
 terrigena Räsänen = *C. citrina* (Westberg 2007a, Westberg 2009)

CANDELINA Poelt

mexicana (B. de Lesd.) Poelt
submexicana (B. de Lesd.) Poelt Syn.: *Caloplacopsis submexicana*, *Candelariella submexicana*, *Caloplaca submexicana*. North American reports of *Candelariella medians* (Nyl.) Sm. probably belong here.

CANOMACULINA Elix & Hale = **PARMOTREMA** (Blanco et al. 2005)

conferenda (Hale) Elix = *Parmotrema conferendum*
 haitiensis (Hale) Elix = *Parmotrema haitiensis*
 neotropica (Kurok.) Elix = *Parmotrema neotropicum*
 subsumpta (Nyl.) Elix = *Parmotrema subsumptum*
 subtinctoria (Zahlbr.) Elix = *Parmotrema subtinctorium*

CANOPARMELIA Elix & Hale

alabamensis (Hale & McCull.) Elix (Elix 2001) Syn: *Paraparmelia alabamensis*, *Parmelia alabamensis*, *Pseudoparmelia alabamensis*

caroliniana (Nyl.) Elix & Hale Syn.: *Parmelia caroliniana*, *Pseudoparmelia caroliniana*
cryptochlorophaea (Hale) Elix & Hale Syn.: *Parmelia cryptochlorophaea*, *Pseudoparmelia cryptochlorophaea*
martinicana (Nyl.) Elix & Hale Syn.: *Parmelia martinicana*, *Pseudoparmelia martinicana*
texana (Tuck.) Elix & Hale Syn.: *Parmelia texana*, *Pseudoparmelia texana*
amabilis Heiman & Elix (Heiman & Elix 1999) = *Canoparmelia caroliniana* (Lendemer & Ruiz 2015)
amazonica (Nyl.) Elix & Hale = *Parmelinella amazonica* (Rodrigues et al. 2021)
crozalsiana (B. de Lesd. ex Harm.) Elix & Hale = *Crespoa crozalsiana*
salacinifera (Hale) Elix & Hale = *Parmelinella salacinifera* (Rodrigues et al. 2021)

CAPRONIA Sacc.

***harrisiana** Hollinger & Lendemer (Hollinger & Lendemer 2021)
***thamnoliae** Zhurb. (Zhurbenko 2012)
**peltigerae* (Fuckel) D. Hawksw. (Zhurbenko & Laursen 2003) = *Knufia peltigerae* (Réblová et al. 2013)

CARBACANTHOGRAPHIS Staiger & Kalb (Staiger 2002)

candidata (Nyl.) Staiger & Kalb Syn.: *Graphis candidata* (Staiger 2002)
marcescens (Fée) Staiger & Kalb Syn.: *Graphina marcescens*, *G. plittii*, *Graphis marcescens* (Staiger 2002)
muriformis E. Tripp & Lendemer (Tripp et al. 2010)

CARBONEA (Hertel) Hertel

***aggregantula** (Müll. Arg.) Diederich & Triebel (Goward et al. 1996)
#**assimilis** (Körber) Hafellner & Hertel Syn.: *Lecidea assimilis*
#**atronivea** (Arnold) Hertel Syn.: *Lecidea atronivea*
***intrudens** (H. Magn.) Hafellner (Dillman et al. 2012) Syn.: *Lecidea intrudens*
latypizodes (Nyl.) Knoph & Rambold (Knoph et al. 2004) Syn.: *Lecidea austrocalifornica*, *L. subplebeia* (Knudsen et al. 2008b), *L. subcontinuior*, *L. amabilis*, *Mycobilimbia austrocalifornica*
***supersparsa** (Nyl.) Hertel (Diederich 2003)
***vitellinaria** (Nyl.) Hertel Syn.: *Lecidea vitellinaria*, *Nesolechia vitellinaria*
#**vorticosa** (Flörke) Hertel Syn.: *Lecidea vorticosa*
intrusa (Th. Fr.) Rambold & Triebel (Hinds et al. 2002) = *Scoliciosporum intrusum*

CARBONICOLA Bendiksby & Timdal (Bendiksby & Timdal 2013)

anthracophila (Nyl.) Bendiksby & Timdal Syn.: *Biatora anthracophila*, *B. ostreata* var. *cladonioides*, *Hypocenomyce anthracophila*, *Lecidea anthracophila*, *Psora anthracophila*
myrmecina (Ach.) Bendiksby & Timdal Syn.: *Hypocenomyce castaneocinerea*

CARNEOTHELE Fryday, T. Sprib. & M. Svenss. (Spribille et al. 2020)

sphagnicola Fryday, M. Svenss. & Holien (Spribille et al. 2020)

CATAPYRENIUM Flotow (Breuss 1996)

cinereum (Pers.) Körber Syn.: *Dermatocarpon cinereum*, *D. hepaticum*
daedaleum (Kremp.) Stein Syn.: *Dermatocarpon daedaleum*
globosum J. W. Thomson
granulosum (B. de Lesd.) J. W. Thomson Syn.: *Endopyrenium crustaceum*, *E. granulosum*, *Dermatocarpon granulosum*
psoromoides (Borrer) R. Sant.
squamellum (Nyl. ex Hasse) J. W. Thomson Syn.: *Dermatocarpon squamellum*
acarosporoides (Zahlbr.) J. W. Thomson = *Placidium acarosporoides*
andicolum Breuss = *Placidium andicola*
caeruleopulvinum J. W. Thomson = *Placopyrenium caeruleopulvinum*
chilense (Räsänen) Breuss = *Placidium chilense*
#**compactum** (A. Massal.) R. Sant. = *Heteroplacidium compacta*

congestum Breuss & McCune = *Heteroplacidium congestum*
 heppioides (Zahlbr.) J. W. Thomson = *Placopyrenium heppioides*
 lachneum (Ach.) R. Sant. = *Placidium lachneum*
 lacinulatum (Ach.) Breuss = *Clavascidium lacinulatum*
 michelii (A. Massal.) R. Sant. = *Placidium michelii*
 norvegicum Breuss = *Placidium norvegicum*
 plumbeum (B. de Lesd.) J. W. Thomson (p.p.) = *Verrucaria inficiens* (Breuss 1998)
 podolepis Breuss = *Placidium podolepis*
 rufescens (Ach.) Breuss = *Placidium rufescens*
 schaereri (Fr.) R. Sant. = *Placopyrenium coloradoense* for North American reports
 squamulosum (Ach.) Breuss = *Placidium squamulosum*
 tuckermanii (Rav. ex Mont.) J. W. Thomson = *Placidium arboreum*
 umbrinum Breuss = *Clavascidium umbrinum*
 waltheri (Kremp.) Körber = *Involucropyrenium waltheri*
 zahlbruckneri (Hasse) J. W. Thomson = *Placopyrenium stanfordii*

CATILLARIA A. Massal.

atomarioides (Müll. Arg.) H. Kiliás (Kocourková et al. 2010)
chalybeia (Borrer) A. Massal.
contristans (Nyl.) Zahlbr. (Miller et al. 2005)
cupressi Zahlbr.
erysiboides (Nyl.) Th. Fr. Syn.: *Arthonia carneorufa* (Printzen & Tønsberg 1999)
flavens (Willey) Fink
glauconigrans (Tuck.) Hasse Syn.: *Biatora glauconigrans*
lenticularis (Ach.) Th. Fr.
 ***lobariicola** (Alstrup) Coppins & Aptroot (Spribille et al. 2010) Syn. : [Phoma lobariicola](#)
musciola Lynge
nigroclavata (Nyl.) Schuler Syn.: *Bacidia declinis*, *Biatora declinis*, *Bilimbia declinis*, *Lecidea declinis*
patteeana D. P. Waters & Lendemer (Waters & Lendemer 2019)
picila (A. Massal.) Coppins (McCune & Rosentreter 2014)
 ***stereocaulorum** (Th. Fr.) H. Olivier (Zhurbenko 2010)
subnegans (Nyl.) Boistel
subviridis (Nyl.) Zahlbr.
terrena (Willey) Zahlbr.
 arctica Lynge = [Kiliasia philippea](#)
 athallina (Hepp) Hellbom = [Kiliasia athallina](#)
 atropurpurea (Schaerer) Th. Fr. = *Catinaria atropurpurea*
 bahusiensis (Blomb.) Th. Fr. = *Tylothallia biformigera*
 biformigera (Leighton) H. Magn. = *Tylothallia biformigera*
 bouteillei (Desm.) Zahlbr. = *Fellhanera bouteillei*
 columbiana (G. Merr.) W. Noble = *Megalaria columbiana*
 crystallifera R. Kiliás = [Bibbya lutosa](#)
 endochroma(Fée) Zahlbr. = *Catillochroma endochroma*
 franciscana (Tuck.) Herre = *Lecania franciscana*
 globulosa (Flörke) Th. Fr. = [Myrionora globulosa](#)
 graniformis (K. G. Hagen) Vainio = *Cliostomum corrugatum*
 griffithii (Sm.) Malme = *Cliostomum griffithii*
 groenlandica Lynge = a *Lecania* sp.
 grossa (Pers. ex Nyl.) Körber = *Megalaria grossa*
 *heerii (Hepp) H. Olivier = *Scutula heerii*
 *herrii (Hepp) Fink (Fink 1935) Orthographic variant for *C. heerii*
 jemtlandica Th. Fr. & Almq. = *Megalaria jemtlandica*
 kansuensis H. Magn. = [Kiliasia philippea](#)
 laureri Hepp ex Th. Fr. = *Megalaria laureri*
 leptocheila (Tuck.) Riddle = *Megalaria leptocheila*

micrococca (Körber) Th. Fr. = *Micarea micrococca* (Fryday & Coppins 2007)
philippea (Mont.) A. Massal. = *Kiliasia philippea* (Thomson 1997)
prasina (Fr.) Th. Fr. = *Micarea prasina*
pulverea (Borrer) Lettau = *Megalaria pulverea*
schaereri (Fr.) R. Sant. = *Placocarpus schaeereri*, but a misidentification for *N.A.* (McCune et al. 2014b)
sculpturata H. Magn. = *Kiliasia sculpturata*
sphaeroides (A. Massal.) Schuler = *Mycobilimbia pilularis*
subnitida Hellbom = *Toninia subnitida*
subnigrata (Nyl.) Blomb. & Forssell = a European species
superflua (Müll. Arg.) Zahlbr. = ?*Megalaria grossa* (Printzen 1995)
tricolor auct. = *Cliostomum griffithii*
tristis (Müll. Arg.) Arnold = *Toninia subnitida*

CATILLOCHROMA Kalb (Kalb 2007)

endochromum (Fée) Kalb (Lücking et al. 2011b) Syn.: *Catillaria endochroma*
albocinctum (Degel.) Kalb = *Megalaria albocincta* (Fryday & Lendemer 2010)
leptocheilum (Tuck.) Kalb = *Megalaria leptocheila* (Fryday & Lendemer 2010)

CATINARIA Vainio

atropurpurea (Schaerer) Vězda & Poelt Syn.: *Biatora atropurpurea*, *Catillaria atropurpurea*,
Lecidea intermixta, *L. intermixta* var. *lignaria*
brodoana R. C. Harris & W. R. Buck (Lendemer et al. 2016a)
neuschildii (Körber) P. James (Waters & Lendemer 2019)
radulae R. C. Harris & W. R. Buck (Lendemer et al. 2016a)
subcorallina (Zahlbr.) Brako Syn.: *Phyllopsora subcorallina*
albocincta Degel. = *Megalaria albocincta*
grossa (Pers. ex Nyl.) Vainio = *Megalaria grossa*
laureri (Hepp ex Th. Fr.) Degel. = *Megalaria laureri*
leucoplaca auct. = *Megalaria grossa*
versicolor (Fée) Sipman = *Megalaria versicolor*

CATOLECHIA Flotow

wahlenbergii (Ach.) Körber Syn.: *Buellia wahlenbergii*, *B. pulchella*

CAVERNULARIA Degel. = **HYPOGYMNIA** (Miądlikowska et al. 2011)

hultenii Degel. = *Hypogymnia hultenii*
lophyrea (Ach.) Degel. = *Hypogymnia lophyrea*

CECIDONIA Triebel & Rambold

***umbonella** (Nyl.) Triebel & Rambold Syn.: *Lecidea umbonella*
***xenophana** (Körber) Triebel & Rambold (Hinds et al. 2002) Syn.: *Lecidea columnata* (Coppins & Fryday 2006b)

CELIDIUM Tul. = **ARTHONIA**

***varians** Arnold = *Arthonia varians* (Hawksworth 2003)

CELOTHELIUM A. Massal. (Harris 1995a)

aculiferum (Nyl.) Vainio (Harris 1995a)

CEPHALOPHYSIS (Hertel) H. Kilius

leucospila (Anzi) H. Kilius & Scheid. Syn.: *Lecidea ultima*

CERCIDOSPORA Körber

***caudata** Kernst. (Navarro-Rosinés et al. 2004)
***cecidiiformans** Grube & Hafellner (Hafellner et al. 2002, Spribille et al. 2010)

- ***cephalodiorum** Triebel & Grube (Spribille et al 2020)
- ***cladonicola** Alstrup (Lendemer et al. 2008c)
- #**decolorella** (Nyl.) O. E. Erikss. & J. Z. Yue
- ***epicarphinea** (Nyl.) Grube & Hafellner
- ***epipolytropha** (Mudd) Arnold
- ***exiguella** (Nyl.) Arnold (Spribille et al. 2010)
- ***lobothalliae** Nav.-Ros. & Calat. (Navarro-Rosinés et al. 2004)
- ***macrospora** (Uloth) Hafellner & Nav.-Ros. (Navarro-Rosinés et al. 2004)
- ***ochrolechia** Zhurb. (Zhurbenko 2013)
- ***parva** Hafellner & Ihlen (Zhurbenko 2020)
- ***punctillata** (Nyl.) R. Sant. (Zhurbenko 2013)
- ***soror** Obermayer & Triebel (McCune & Ponzetti 2005)
- ***stereocaulorum** (Arnold) Hafellner (Alstrup & Cole 1998)
- ***thamnoliae** Zhurb. (Zhurbenko 2012)
- ***trypetheliza** (Nyl.) Hafellner & Obermayer Syn.: *Neonorrinia trypetheliza* (McCune & Ponzetti 2005, Weber & Wittmann 2000)
- ***verrucosaria** (Lindsay) Arnold (Navarro-Rosinés et al. 2004)
- ***xanthoria** (Wedd.) R. Sant. (Knudsen & Lendemer 2006)
- ***ulothii** Körber = *C. macrospora* (Navarro-Rosinés & Hafellner 2004)

CEROTHALLIA Arup, Frödén & Søchting (Arup et al. 2013)

- luteoalba** (Turner) Arup, Frödén & Søchting Syn.: *Caloplaca luteoalba*

CETRADONIA J.-C. Wei & Ahti (Wei & Ahti 2002)

- linearis** (Evans) J.-C. Wei & Ahti Syn.: *Gymnoderma linearis*, *Cladonia linearis*

CETRARIA Ach.

- aculeata** (Schreber) Fr. Syns.: *Coelocaulon aculeatum*, *Cornicularia aculeata*
- arenaria** Kärnefelt
- ericetorum** Opiz subsp. **ericetorum**
- ericetorum** subsp. **reticulata** (Räsänen) Kärnefelt
- islandica** (L.) Ach. subsp. **islandica**
- islandica** subsp. **crispiformis** (Räsänen) Kärnefelt
- islandica** subsp. **orientalis** (Asahina) Kärnefelt
- kamczatica** Savicz
- laevigata** Rass.
- muricata** (Ach.) Eckfeldt Syn.: *Coelocaulon muricatum*
- nigricans** Nyl.
- odontella** (Ach.) Ach. Syns.: *Cornicularia odontella*, *Coelocaulon odontellum*
- agnata** (Nyl.) Kristinsson = *Melanelia agnata*
- alaskana** C. F. Culb. & W. L. Culb. = *Cetrelia alaskana*
- aleurites** (Ach.) Th. Fr. (Tuckerman 1882) = *Imshaugia aleurites*
- aleurites** var. **placorodia** (Ach.) Tuck. (Tuckerman 1882) = *Imshaugia placorodia*
- andrejevii** Oxner = *Arctocetraria andrejevii*
- arborialis** (Zahlbr.) Howard = *Tuckermannopsis subalpina*
- arctica** (Hooker f.) Tuck. (Tuckerman 1882) = *Dactylina arctica*
- atlantica** (Tuck.) Du Rietz = *Platismatia tuckermanii*
- aurescens** Tuck. = *Ahtiana aurescens*
- californica** Tuck. = *Kaernefeltia californica*
- canadensis** (Räsänen) Räsänen = *Vulpicida canadensis*
- chicita** W. L. Culb. = *Cetrelia chicita*
- chlorophylla** (Willd.) Vainio = *Tuckermannopsis chlorophylla*
- chrysantha** Tuck. = *Asahinea chrysantha*
- ciliaris** Ach. = *Tuckermannopsis ciliaris*
- ciliaris** Ach. var. **halei** (W. L. Culb. & C. F. Culb.) Ahti = *Tuckermannopsis americana*
- commixta** (Nyl.) Th. Fr. = *Cetrariella commixta*

coralligera (W. A. Weber) Hale = *Tuckermanella coralligera*
crispa (Ach.) Nyl. = *C. ericetorum* subsp. *ericetorum*
cucullata (Bellardi) Ach. = *Flavocetraria cucullata*
culbersonii Hale = *Melanelia culbersonii*
delisei (Bory ex Schaerer) Nyl. = *Cetrariella delisei*
elenkinii Krog = *Arctocetraria nigricascens*
fahlunensis (L.) Schreber = *Cetrariella commixta*
fastigiata (Delise ex Nyl.) Kärnefelt = *Cetrariella fastigiata*
fendleri (Nyl.) Tuck. = *Tuckermanella fendleri*
glauca (L.) Ach. = *Platismatia glauca*
halei W. L. Culb. & C. F. Culb. = *Tuckermannopsis americana*
hepatizon (Ach.) Vainio = *Melanelia hepatizon*
herrei Imshaug = *Platismatia herrei*
hiascens (Fr.) Th. Fr. = *Cetrariella delisei*
idahoensis Essl. = *Esslingeriana idahoensis*
inermis (Nyl.) Krog = *Masonhalea inermis*
juniperina (L.) Ach. = Old North American records are *Vulpicida canadensis* or *V. viridis*
juniperina var. *jerseyi* Gyelnik (Gyelnik 1931) = *V. viridis*
juniperina var. *terrestris* Schaerer (Tuckerman 1882) = misidentification for N.A., possibly *Vulpicida canadensis*
lacunosa Ach. = *Platismatia lacunosa*
lacunosa Ach. var. *atlantica* Tuck. = *Platismatia tuckermanii*
madreporeformis (Ach.) Müll. Arg. (Tuckerman 1882) = *Allocetraria madreporeformis*
merrillii Du Rietz = *Kaernefeltia merrillii*
nigricascens (Nyl.) Elenkin = *Arctocetraria nigricascens*
nivalis (L.) Ach. = *Flavocetraria nivalis*
norvegica (Lynge) Du Rietz = *Platismatia norvegica*
oakesiana Tuck. = *Usnocetraria oakesiana*
orbata (Nyl.) Fink = *Tuckermannopsis orbata*
pallidula Tuck. ex Riddle = *Ahtiana pallidula*
pinastri (Scop.) Gray = *Vulpicida pinastri*
platyphylla Tuck. = *Tuckermannopsis platyphylla*
polyschiza (Nyl.) Jatta = *Melanelia hepatizon*
ramulosa (Hooker f.) Tuck. (Tuckerman 1882) = *Dactylina ramulosa*
richardsonii Hooker = *Masonhalea richardsonii*
scholanderi Llano = *Asahinea scholanderi*
scutata (Wulfen) Poetsch = *Tuckermannopsis sepincola*
scutata auct. = *Tuckermannopsis chlorophylla*
sepincola (Ehrh.) Ach. = *Tuckermannopsis sepincola*
sibirica H. Magn. = *Arctocetraria nigricascens*
simmonsii Krog = *Arctocetraria andrejevii*
stenophylla (Tuck.) G. Merr. = *Platismatia stenophylla*
subalpina Imshaug = *Tuckermannopsis subalpina*
tilesii Ach. = *Vulpicida juniperina* (Saag et al. 2014)
tristis (Weber ex F. H. Wigg.) Fr. = *Cornicularia normoerica* (Santesson et al. 2004)
tuckermanii Oakes non Herre = *Platismatia tuckermanii*
tuckermanii Herre non Oakes = *Platismatia herrei*
viridis Schwein. = *Vulpicida viridis*
weberi Essl. = *Tuckermanella weberi*

CETRARIASTRUM Sipman = **HYPOTRACHYNA** (Divakar et al. 2013)

catawbiense (Degel.) W. L. Culb. & C. F. Culb. = *Hypotrachyna catawbiensis*

CETRARIELLA Kärnefelt & A. Thell

commixta (Nyl.) A. Thell & Kärnefelt (Thell et al. 2009) Syns.: *Cetraria commixta*, *C. fahlunensis*, *Melanelia commixta*

delisei (Schaerer) Kärnefelt & A. Thell Syn.: *Cetraria delisei*, *C. hiascens*
fastigiata (Nyl.) Kärnefelt & A. Thell Syn.: *Cetraria fastigiata*

CETRELIA W. L. Culb. & C. F. Culb.

alaskana (C. F. Culb. & W. L. Culb.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria alaskana*
cetrarioides (Duby) W. L. Culb. & C. F. Culb.
chicita (W. L. Culb.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria chicitae*
monachorum (Zahlbr.) W. L. Culb. & C. F. Culb.
olivetorum (Nyl.) W. L. Culb. & C. F. Culb. Syn.: *Parmelia olivetorum*, *P. olivaria*

CHAENOTHECA Th. Fr.

brachypoda (Ach.) Tibell Syn.: *Coniocybe sulphurea*
brunneola (Ach.) Müll. Arg.
chlorella (Ach.) Müll. Arg.
chrysocephala (Ach.) Th. Fr. Syn.: *Coniocybe gracilescens*
cinerea (Pers.) Tibell
erkahomattiorum Selva (Selva 2013)
ferruginea (Turner ex Sm.) Mig.
floridana R. C. Harris (Harris 1995a)
furfuracea (L.) Tibell Syn.: *Coniocybe furfuracea*
gracilentata (Ach.) Mattsson & Middelb. Syn.: *Cybebe gracilentata* (Tibell 2001)
gracillima (Vainio) Tibell Syn.: *Coniocybe gracillima*
hispidula (Ach.) Zahlbr.
hygrophila Tibell (Selva & Tibell 1999)
laevigata Nád. v.
longispora Reese Naesborg & Tibell (Reese Naesborg et al. 2019)
nitidula Tibell (Tibell & Koffman 2002)
olivaceorufa Vainio (Rikkinen 1998)
obscura (G. Merr.) Nád. v. Syn.: *Calicium obscurum* (Selva & McMullin 2020)
phaeocephala (Turner) Th. Fr.
selvae Maloles & McMullin (McMullin et al. 2018)
servitii Nád. v. (Selva & Tibell 1999)
sphaerocephala Nád. v. (Selva & Tibell 1999)
stemonea (Ach.) Müll. Arg.
subroschida (Eitner) Zahlbr.
trichialis (Ach.) Th. Fr.
xyloxena Nád. v.
balsamconensis J. L. Allen & McMullin (Allen & McMullin 2015) = *C. obscura* (Selva & McMullin 2020)
carthusiae (Harm.) Lettau = *C. chlorella*
melanophaea (Ach.) Zwackh = *C. ferruginea*
savonica (Räsänen) Tibell = *Chaenothecopsis savonica*
schaereri (De Not.) Zahlbr. = *C. cinerea*
sulphurea (Retz.) Middleb. & Mattsson = *C. brachypoda*
trichialis var. **cinerea** (Pers.) Blomb. & Forssell = *C. cinerea*

CHAENOTHECOPSIS Vainio

+aeruginosa Goward & E. B. Peterson (Peterson & Goward 2016)
amurensis Titov (Selva 2013)
***arthoniae** Tibell (Dillman et al. 2012)
+asperopoda Titov (Selva & Tibell 1999)
***australis** Tibell (Selva 2014)
***brevipes** Tibell
+claydenii Selva & Tuovila (Selva & Tuovila 2016)
***consociata** (Nád. v.) A.F.W. Schmidt
+debilis (Turner & Borrer ex Sm.) Tibell

+**diabolica** Rikkinen & Tuovila (Tuovila et al. 2011, 2012)
 ***dibbleandersoniarum** Selva (Selva 2013)
 +**dolichocephala** Titov (Selva 2010)
 +**edbergii** Selva & Tibell (Selva & Tibell 1999)
 ***epithallina** Tibell
 +**eugenia** Titov (Selva & Tuovila 2016)
 +**exilis** Tibell (Selva & Tibell 1999)
 +**fennica** (Laurila) Tibell (Selva 2014)
 +**haematopus** Tibell (Selva & Tibell 1999)
 +**irregularis** Titov (Selva & Tibell 1999)
 +**jordaniana** Gockman & Selva (Gockman et al. 2020)
 ***kalbii** Tibell & K. Ryman (Lendemmer et al. 2008c)
 ***lecanactidis** Tibell (Hardman et al. 2016)
 +**marcineae** Selva (Selva 2013)
 +**montana** Rikkinen (Rikkinen 2003b)
 +**nana** Tibell
 ***nigra** Tibell (Harris & Lendemmer 2005, Spribille & Björk 2008)
 +**nigripunctata** Rikkinen (Rikkinen 2003a)
 +**nivea** (F. Wilson) Tibell (Hardman et al. 2016)
 +**norstictica** R. C. Harris (Harris 1995a)
 +**oregana** Rikkinen (Rikkinen 2003b, Tuovila et al., 2011, 2012)
 ***ochroleuca** (Körber) Tibell & K. Ryman (Selva & Tibell 1999)
 +**penningtonensis** Gockman & Selva (Gockman et al. 2020)
 +**perforata** Rikkinen & Tuovila (Gockman et al. 2019)
 ***pilosa** Tibell & Kalb (Harris 1995a)
 #**pusilla** (Ach.) A.F.W. Schmidt Syns.: *Calicium pusillum*, *C. floerkei*, *C. subpusillum*, *C. asikkalense*
 #**pusiola** (Ach.) Vainio Syns.: *Calicium pusiolum*, *Mycocalicium pusiolum*
 +**rappii** (Nádv.) R. C. Harris (Harris 1995a) Syn.: *Mycocalicium rappii*
 +**resinicola** Tibell & Titov (Selva 2010)
 +**rubescens** Vainio
 ***rubina** Tibell (Peterson & Rikkinen 1999)
 +**savonica** (Räsänen) Tibell Syns.: *Mycocalicium savonicum*, *Chaenotheca savonica*
 +**sitchensis** Rikkinen (Rikkinen 1999)
 ***subparaica** (Nyl.) Tibell (Peterson & Rikkinen 1999)
 +**tasmanica** Tibell (Selva & Tibell 1999)
 +**tsugae** Rikkinen (Rikkinen 1999)
 +**ussuriensis** Titov (Peterson & Rikkinen 1999)
 +**vainioana** (Nádv.) Tibell (Hardman et al. 2016)
 ***viridialba** (Kremp.) A.F.W. Schmidt
 #**viridireagens** (Nádv.) A.F.W. Schmidt
 #**lignicola** (Nádv.) A.F.W. Schmidt = *C. pusiola*
 #**subpusilla** (Vainio) Tibell = *C. pusilla*
 +**thujae** Rikkinen (Selva & Tibell 1999) = *C. tsugae* (Selva 2010)
 +**zebrina** Rikkinen & Tuovila (Tuovila et al. 2011) = *C. oregana* (Tuovila et al. 2012)

CHALARA (Corda) P. A. Saccardo

***lobariae** Etayo (Zhurbenko & Dillman 2010)

CHAPSA A. Massal. (Frisch 2006)

alborosella (Nyl.) A. Frisch Syns.: *Ocellularia alborosella*, *Thelotrema alborosellum* (Frisch 2006)

boninensis (Tat. Matsumoto) Rivas Plata & Mangold (Seavey et al. 2017)

chionostoma (Nyl.) Rivas Plata & Mangold (Lücking et al. 2011b)

leprocarpa (Nyl.) A. Frisch Syns.: *Graphina leptocarpa*, *Thelotrema leptocarpum* (Frisch 2006)

paralbida (Riddle) Rivas Plata & Lücking (Seavey et al. 2017)

phlyctidioides (Müll. Arg.) Mangold (Seavey et al. 2017)
platycarpa (Tuck.) A. Frisch Syns.: Thelotrema platycarpoides, T. platycarpum (Frisch 2006)
platycarpoides (Tuck.) Breuss & Lücking (Lücking et al. 2011b)
subpatens (Hale) Mangold (Lücking et al. 2011b)

CHEIROMYCINA B. Sutton

flabelliformis B. Sutton (Tønsberg 2002)
petri D. Hawksw. & Poelt (McCune et al. 2018, Printzen 2007, Spribille et al. 2020)

CHIODECTON Ach.

malmei Thor
ochroleucum Zahlbr. = Paraschismatomma ochroleucum (Ertz & Tehler 2011)
californicum Tuck. = Schizopelte crustosa (Ertz & Tehler 2011)
inscriptum (Nyl.) Fink = Sclerophyton inscriptum
montagnaei auct. N.A. = Cryptothecia striata
perplexum Nyl. = Syncesia graphica (Tehler 1996)
rubrocinctum (Ehrenb. : Fr.) Nyl. = Herpothallon rubrocinctum
sanguineum (Sw.) Vainio = Herpothallon rubrocinctum
sphaerale Ach. = misidentification for North America (Harris 1995a)
subochroleucum Fink = Dendrographa franciscana (Kocourková et al. 2010; Ertz & Tehler 2011)

CHIONOSPHAERA Cox

*apobasidialis Cox (According to Diederich [1996, and pers. comm.], only non-lichenicolous specimens are known for North America, and the lichenicolous specimens from Europe may represent a distinct species.)

CHRISMOFULVEA Marbach

dialyta (Nyl.) Marbach Syn.: Buellia dialyta (Marbach 2000)
pinastri (Erichsen) Marbach Syn.: Buellia pinastri (Marbach 2000)
rubifaciens (R. C. Harris) Marbach Syn.: Buellia rubifaciens (Marbach 2000)

CHROMATOCHLAMYS Trevisan (Nelsen et al. 2017)

muscorum (Fr.) H. Mayrhofer & Poelt var. muscorum Syn.: Thelenella muscorum
muscorum var. **octospora** (Nyl.) H. Mayrhofer & Poelt Syn.: Thelenella muscorum var. octosporum

CHRYSOPSORA M. Choisy

testacea (Hoffm.) M. Choisy = Psora testacea, but not in North American flora.

CHRYSOTHRIX Mont.

bergeri LaGreca (LaGreca 2020)
caesia (Flotow) Ertz & Tehler (Ertz & Tehler 2011) Syns.: Allarthonia caesia, Arthonia caesia, A. lecideella
candelaris (L.) J. R. Laundon Syns.: Lepraria candelaris, L. flava, L. citrina sens. lat.
chamaecyparicola Lendemer (Lendemer & Elix 2010)
chlorina (Ach.) J. R. Laundon Syn.: Lepraria chlorina
chrysothalma (P. James) P. James & J. R. Laundon (Tønsberg 2002)
granulosa G. Thor (Tønsberg 2004a)
insulizans R. C. Harris & Ladd (Harris & Ladd 2008)
onokoensis (Wolle) R. C. Harris & Ladd (Harris & Ladd 2008)
susquehannensis Lendemer & Elix (Lendemer & Elix 2010)
xanthina (Vainio) Kalb (Harris & Ladd 2008)
flavovirens Tønsberg (Harris & Lendemer 2005) North American report is C. chamaecyparicola

CIPOSIA Marbach

wheeleri (R. C. Harris) Marbach Syn.: Buellia wheeleri (Marbach 2000)

CIRCINARIA Link (Nordin et al. 2010)

arida Owe-Larsson, A. Nordin & Tibell (Owe-Larsson et al. 2011) Syn.: *Aspicilia desertorum*, *Lecanora desertorum* (American reports only)

caesiocinerea (Nyl. ex Malbr.) A. Nordin, Savić & Tibell Syn.: *Aspicilia caesiocinerea*, *Lecanora caesiocinerea*

calcarea (L.) A. Nordin, Savić & Tibell Syn.: *Aspicilia calcarea*, *Lecanora calcarea*

contorta (Hoffm.) A. Nordin, Savić & Tibell Syn.: *Aspicilia contorta*, *Lecanora calcarea* var. *contorta*, *L. contorta*, *L. albopruinosa*

elmorei (E. D. Rudolph) Owe-Larsson, A. Nordin & M. Sohrabi (Owe-Larsson et al. 2011) Syn.: *Lecanora elmorei*

gibbosa (Ach.) A. Nordin, Savić & Tibell Syn.: *Aspicilia gibbosa*, *Lecanora gibbosa*, *L. gibbosula*

hispida (Mereschk.) A. Nordin, Savić & Tibell Syn.: *Agrestia hispida*, *A. cyphellata*, *Aspicilia hispida*

leproscens (Sandst.) A. Nordin, Savić & Tibell Syn.: *Aspicilia leproscens*

rogeri (Sohrabi) Sohrabi (Sohrabi et al. 2013b) Syn.: *Aspicilia rogeri*

CIRRENALIA Meyers & R. T. Moore

***lichenicola** Pérez-Ort. (Spribille et al. 2020)

CLADIDIUM Hafellner

bolanderi (Tuck.) B. D. Ryan Syn.: *Lecanora thamnitidis*, *L. bolanderi*
thamnitidis (Tuck.) Hafellner = *C. bolanderi*

CLADINA Nyl. = CLADONIA (Ahti & DePriest 2001)

aberrans (Abbayes) Hale & W. L. Culb. = *Cladonia stellaris*

alpestris (L.) Nyl. = *Cladonia stellaris*

arbuscula (Wallr.) Hale & W. L. Culb. = *Cladonia arbuscula*

arbuscula subsp. *beringiana* (Ahti) N. S. Golubk. = *Cladonia arbuscula* subsp. *beringiana*

arbuscula subsp. *mitis* (Sandst.) Burgaz = *Cladonia mitis*

beringiana (Ahti) Trass = *Cladonia arbuscula* subsp. *beringiana*

ciliata (Stirton) Trass var. *ciliata* = *Cladonia ciliata* var. *ciliata*

ciliata var. *tenuis* (Flörke) Ahti & M. J. Lai = *Cladonia ciliata* var. *tenuis*

conspicua Ahti = *Cladonia conspicua*

evansii (Abbayes) Hale & W. L. Culb. = *Cladonia evansii*

impexa B. de Lesd. = *Cladonia portentosa*

leucophaea (Abbayes) Hale & W. L. Culb. = *Cladonia ciliata* var. *ciliata*

mitis (Sandst.) Mong. = *Cladonia mitis*

pacifica (Ahti) Hale & W. L. Culb. = *Cladonia portentosa* subsp. *pacifica*

portentosa (Dufour) Follmann = *Cladonia portentosa*

portentosa subsp. *pacifica* (Ahti) Ahti = *Cladonia portentosa* subsp. *pacifica*

portentosa subsp. *pacifica* f. *decolorans* (Ahti) Ahti = *Cladonia portentosa* subsp. *pacifica* f.

decolorans

pseudoevansii (Asahina) Hale & W. L. Culb. = *Cladonia pseudoevansii*

rangiferina (L.) Nyl. = *Cladonia rangiferina*

sandstedei (Abbayes) Ahti = *Cladonia sandstedei*

stellaris (Opiz) Brodo = *Cladonia stellaris*

stellaris var. *aberrans* (Abbayes) Ahti = *Cladonia stellaris*

stygia (Fr.) Ahti = *Cladonia stygia*

submitis (A. Evans) Hale & W. L. Culb. = *Cladonia submitis*

subtenuis (Abbayes) Hale & W. L. Culb. = *Cladonia subtenuis*

subtenuis f. *cinerea* (Ahti) Ahti = *Cladonia subtenuis* f. *cinerea*

tenuis (Flörke) B. de Lesd. = *Cladonia ciliata* var. *tenuis*

terrae-novae (Ahti) Hale & W. L. Culb. = *Cladonia terrae-novae*

CLADONIA P. Browne

abbreviatula G. Merr.
acuminans R. C. Harris (Harris 2009)
acuminata (Ach.) Norrlin
alaskana A. Evans
albonigra Brodo & Ahti (Brodo & Ahti 1996)
alinii Trass (Ahti 1980)
amaurocraea (Flörke) Schaerer
andereggii S. Hammer
anita W. L. Culb. & C. F. Culb.
apodocarpa Robbins
appalachensis Yoshim. & Sharp ex Lendemer & R. C. Harris (Lendemer & Harris 2013b)
arbuscula (Wallr.) Flotow subsp. **arbuscula** Syn.: *Cladina arbuscula*
arbuscula subsp. **beringiana** Ahti Syn.: *Cladina arbuscula* subsp. *beringiana*
artuata S. Hammer
asahinae J. W. Thomson
atlantica A. Evans
bacilliformis (Nyl.) Sarnth.
beaumontii (Tuck.) Vainio
bellidiflora (Ach.) Schaerer
borealis S. Stenroos
boryi Tuck.
botryocarpa G. Merr.
botrytes (K. G. Hagen) Willd.
brevis (Sandst.) Sandst.
buckii R. C. Harris
caespiticia (Pers.) Flörke
cariosa (Ach.) Sprengel
carneola (Fr.) Fr.
caroliniana Tuck. Syn.: *Pycnothelia cladinoidea*
cenotea (Ach.) Schaerer
cervicornis (Ach.) Flotow subsp. **cervicornis**
chlorophaea (Flörke ex Sommerf.) Sprengel
ciliata Stirton Syn.: *Cladina ciliata*
ciliata var. **tenuis** (Flörke) Ahti Syn.: *Cladina ciliata* var. *tenuis*
cinerella Ahti (Ahti 2000, Seavey 2010[2011])
coccifera (L.) Willd.
concinna Ahti & Goward (Ahti 2007)
coniocraea (Flörke) Sprengel
conista (Nyl.) Robbins (Pino-Bodas et al. 2012)
conspicua (Ahti) Ahti Syn.: *Cladina conspicua*
cornuta (L.) Hoffm. subsp. **cornuta**
cornuta subsp. **groenlandica** (E. Dahl) Ahti
crispata (Ach.) Flotow var. **crispata**
crispata var. **cetrariiformis** (Delise) Vainio
cristatella Tuck.
cryptochlorophaea Asahina
cyanipes (Sommerf.) Nyl.
cylindrica (A. Evans) A. Evans
dactylota Tuck.
dahlia Kristinsson
decorticata (Flörke) Sprengel
deformis (L.) Hoffm.
didyma (Fée) Vainio
didyma var. **vulcanica** (Zoll. & Moritzi) Vainio
digitata (L.) Hoffm.

dimorpha S. Hammer
dimorphoclada Robbins
ecmocyna Leighton subsp. **ecmocyna**
ecmocyna subsp. **intermedia** (Robbins) Ahti
ecmocyna subsp. **occidentalis** Ahti (Brodo & Ahti 1996)
evansii Abbayes Syn.: *Cladina evansii*
extracorticata S. Hammer
farinacea (Vainio) A. Evans
fimbriata (L.) Fr.
firma (Nyl.) Nyl.
floerkeana (Fr.) Flörke
floridana Vainio
furcata (Hudson) Schrader
glauca Flörke
gracilis (L.) Willd. subsp. **gracilis**
gracilis subsp. **elongata** (Jacq.) Vainio
gracilis subsp. **turbinata** (Ach.) Ahti
gracilis subsp. **vulnerata** Ahti
granulans Vainio
grayi G. Merr. ex Sandst.
homosekikaica Nuno
humilis (With.) J. R. Laundon
hypoxantha Tuck.
ignatii Ahti, Pino-Bodas & J. W. McCarthy (Ahti et al. 2018)
imbricarica Kristinsson
incrassata Flörke
islandica Kristinsson & Ahti (Pino-Bodas et al. 2015)
jakutica Ahti (McCune et al. 2009)
jalicana Ahti & Guzm.-Dáv. (Ahti & Hammer 2002)
kanewskii Oxner
krogiana Løfall & Timdal (Clayden et al. 2021)
labradorica Ahti & Brodo
lacryma S. Hammer (Hammer 2001)
leporina Fr.
libifera Savicz (McCune et al. 2009; Hansen & Ahti 2011)
luteoalba Wheldon & A. Wilson
macilenta Hoffm.
macilenta var. **bacillaris** (Ach.) Schaerer
macroceras (Delise) Ahti
macrophylla (Schaerer) Stenh.
macrophyllodes Nyl.
magyarica Vainio
maritima K. Knudsen & Lendemmer (Knudsen & Lendemmer 2009a)
mateocyatha Robbins
maxima (Asahina) Ahti
mero-chlorophaea Asahina
mitis Sandst. Syn.: *Cladina mitis*, *Cladina arbuscula* subsp. *mitis* (Stenroos et al. 2016)
monomorpha Aptroot, Sipman & van Herk (Kowalewska et al. 2008)
multiformis G. Merr.
nana Vainio
nashii Ahti (Ahti & Hammer 2002)
nipponica Asahina
nitens Ahti (Ahti 2007)
norvegica Tønsberg & Holien
novochlorophaea (Sipman) Brodo & Ahti (Brodo & Ahti 1996)
ochrochlora Flörke

oricola Ahti & S. Stenroos (Ahti & Stenroos 2008)
pachycladodes Vainio
parasitica (Hoffm.) Hoffm.
perforata A. Evans
perlomera Kristinsson
petrophila R. C. Harris
peziziformis (With.) J. R. Laundon
phyllophora Hoffm.
piedmontensis G. Merr.
pleurota (Flörke) Schaerer
pocillum (Ach.) O. J. Rich.
poroscypha S. Hammer
portentosa (Dufour) Coem. Syn.: *Cladina portentosa*
portentosa subsp. **pacifica** (Ahti) Ahti Syn.: *Cladina portentosa* subsp. *pacifica*
portentosa subsp. **pacifica** f. **decolorans** Ahti Syn.: *Cladina portentosa* subsp. *pacifica* f. *decolorans*
prolifera Ahti & S. Hammer
prostrata A. Evans
pseudalcicornis Asahina (Ahti 2007)
pseudoëvansii Asahina Syn.: *Cladina pseudoëvansii*
pulvinella S. Hammer
pyxidata (L.) Hoffm.
ramulosa (With.) J. R. Laundon
rangiferina (L.) F. H. Wigg. Syn.: *Cladina rangiferina*
rangiformis Hoffm. (Clayden et al. 2021)
rappii A. Evans
ravenelii Tuck.
rei Schaerer (Syrek & Kukwa 2008, Dolnik et al. 2010, Pino-Bodas et al. 2010)
robbinsii A. Evans
sandstedei Abbayes Syn.: *Cladina sandstedei*
santensis Tuck.
scabriuscula (Delise) Nyl.
scotteri Ahti & E. S. Hansen (Hansen & Ahti 2011)
simulata Robbins
singularis S. Hammer
squamosa Hoffm.
squamosa var. **subsquamosa** (Nyl. ex Leighton) Vainio
stellaris (Opiz) Pouzar & Vězda Syn.: *Cladina stellaris*
stipitata Lendemer & Hodkinson (Lendemer & Hodkinson 2009)
straminea (Sommerf.) Flörke (Timdal & Tønsberg 2012)
strepsilis (Ach.) Grognot
stricta (Nyl.) Nyl.
stygia (Fr.) Ruoss Syn.: *Cladina stygia*
subcariosa Nyl. (Ahti 2000)
subfimbriata Ahti (Ahti & Hammer 2002)
subfurcata (Nyl.) Arnold
submitis A. Evans Syn.: *Cladina submitis*
subradiata (Vainio) Sandst.
subsetacea Robbins ex A. Evans
subsquamosa Kremp.
subtenuis (Abbayes) Mattick Syn.: *Cladina subtenuis*
subtenuis f. **cinerea** Ahti Syn.: *Cladina subtenuis* f. *cinerea*
subulata (L.) F. H. Wigg.
sulphurina (Michaux) Fr.
symphycarpa (Flörke) Fr. (Ahti 2000, Hansen & Ahti 2011)
terrae-novae Ahti Syn.: *Cladina terrae-novae*

thiersii S. Hammer
thomsonii Ahti
transcendens (Vainio) Vainio
trassii Ahti (Ahti 1998)
turgida Ehrh. ex Hoffm.
uliginosa (Ahti) Ahti (Ahti 1998)
umbricola Tønsberg & Ahti
uncialis (L.) F. H. Wigg. subsp. **uncialis** (Stenroos et al. 2015)
uncialis subsp. **biuncialis** (Hoffm.) M. Choisy (Stenroos et al. 2015)
verruculosa (Vainio) Ahti
verticillata (Hoffm.) Schaerer (Ahti, in litt.)
wainioi Savicz
aberrans (Abbayes) Stuckenb. = *Cladonia stellaris*
acuminata var. norrlinii (Vainio) Lyngb. = *C. acuminata*
alcicornis (Lightf.) Fr. (Tuckerman 1882) = *Cladonia foliacea*, but a misidentification for N.A.
alpestris (L.) Rabenh. = *C. stellaris*
alpestris f. aberrans Abbayes = *C. stellaris*
alpicola (Flotow) Vainio = *C. macrophylla*
anomaea (Ach.) Ahti & P. James = *C. ramulosa*
arbuscula subsp. **mitis** (Sandst.) Ruoss (Piercey-Normore et al. 2010) = *Cladonia mitis* (Stenroos et al. 2016)
bacillaris (Ach.) Genth = *C. macilenta* var. *bacillaris*
balfourii auct. = *C. subradiata*
balfourii Crombie = *C. macilenta*
blakei Robbins = *C. coccifera*
borbonica (Delise) Nyl. North American reports are *C. cylindrica* (Evans 1950)
botryoides (Tuck.) Vainio = *C. squamosa* (Ahti et al. 2016)
calycantha Delise ex Nyl. = *C. rappii* for North American records.
capitata (Michaux) Sprengel = *C. peziziformis*
carassensis Vainio = misidentification for North America
carneola (Fr.) Fr. var. *cyanipes* Sommerf. (Tuckerman 1882) = *Cladonia cyanipes*
cenotea (Ach.) Schaerer var. *furcellata* Fr. (Tuckerman 1882) Identity uncertain.
cerasphora Vainio (Fink 1935) = *C. stricta* (Ahti 1998)
cerasphora auct. = *C. trassii* (Ahti, in litt.)
cervicornis subsp. *verticillata* (Hoffm.) Ahti = *Cladonia verticillata* (Ahti, in litt.)
cetrarioides Schwein. ex Tuck. (Fink 1935) = *C. leporina* (Lendemer & Hewitt 2002)
cladinoides (Nyl.) Zahlbr. = *Cladonia caroliniana*
clavulifera Vainio = *C. subcariosa* (Ahti 2000)
conistea auct. = *C. humilis*
conoidea Ahti = *C. humilis*
cornucopioides auct. (Mohr 1901) = *C. coccifera*
cornutoradiata (Leighton) Sandst. = *C. subulata*
corymbosula Nyl. (Fink 1935) Apparent misidentification for North America (Esslinger & Tucker 2009)
crinita Bertol. = *C. evansii* (Ahti et al. 2016)
cristatella Tuck. var. *ramosa* Tuck. (Tuckerman 1882) = *C. cristatella*
cyathomorpha «(Evans) Evans» (Qian & Klinka 1998) = misidentification for North America
degenerans (Flörke) Sprengel = *C. phyllophora*
delessertii Vainio = *C. subfurcata*
delicata auct. = *C. parasitica*
diversa Asperges (Lendemer 2006) = misidentification for North America (Ahti, in litt.)
elongata auct. non (Jacq.) Hoffm. = misidentification for North America, possibly *C. macroceras* or *C. maxima*,
elongata (Jacq.) Hoffm. = *C. gracilis* var. *elongata*
endoxantha Vainio (Fink 1935) = *C. hypoxantha* (Thomson 1967)
exasperatula G. Merr. (Fink 1935) = *C. beaumontii* (Tuck.) Vainio (Thomson 1967)

fimbriata (L.) Fr. var. radiata (Willd.) Cromb. (Tuckerman 1882) = *Cladonia subulata*
 fimbriata var. tubaeformis (Hoffm.) Fr. (Tuckerman 1882) Identity uncertain.
 flabelliformis Vainio = *C. polydactyla*
 flavescens Vainio = misidentification for North America
 foliacea (Hudson) Willd. = misidentification for North America
 furcata (Hudson) Schrader var. crispata (Ach.) Flörke (Tuckerman 1882) = *Cladonia crispata*
 furcata var. pungens Ach. (Tuckerman 1882) = *Cladonia scabriuscula*
 furcata var. racemosa (Hoffm.) Flörke (Tuckerman 1882) = *Cladonia furcata*
 furcata subsp. subrangiformis auct. N. Am. = *C. furcata* (Ahti, in litt.)
 furcata var. subulata Flotow (Tuckerman 1882) Identity uncertain.
 gonecha (Ach.) Asahina = *C. sulphurina*
 gracilescens auct. = *C. stricta*
 graciliformis Zahlbr. North American reports are errors, mostly representing *C. bellidiflora* (Dillman et al. 2012)
 gracilis (L.) Nyl. f. cervicornis Flörke (Tuckerman 1882) = *Cladonia cervicornis*
 gracilis var. elongata Fr. (Tuckerman 1882) = *Cladonia gracilis* subsp. *elongata*
 gracilis var. hybrida Schaerer (Tuckerman 1882) = *Cladonia gracilis*
 gracilis subsp. nigripes (Nyl.) Ahti = *C. gracilis* subsp. *elongata*
 gracilis f. symphyrcarpia Tuck. (Tuckerman 1882) = *Cladonia gracilis*
 gracilis var. verticillata Fr. (Tuckerman 1882) = *Cladonia verticillata*
 hammeri Ahti (Ahti & Hammer 2002) = *C. pulvinella* (Pino-Bodas et al. 2013)
 herrei Fink ex J. Hedrick = *C. furcata*
 heteromorpha G. Merr. (Fink 1935) = *Pycnothelia papillaria* (Laundon 1986)
 hookeri Tuck. = *C. bellidiflora*
 hookeri sensu J. W. Thomson = *C. graciliformis*
 humilis var. bourgeanica A.W. Archer = *C. conista*
 innominata Lendemer (Lendemer 2008) = *C. conista* (Pino-Bodas et al. 2012)
 invisus Robbins = *C. ochrochlora*
 japonica Vainio = *C. crispata*
 lepidota auct. = *C. trassii* (Ahti, in litt.)
 leptothallina G. Merr. = *C. peziziformis*
 linearis A. Evans = *Cetradonia linearis*
 macroptera Räsänen = *C. scabriuscula* (fide T. Ahti)
 major (K. G. Hagen) Sandst. = *C. fimbriata*
 merochlorophaea var. novochlorophaea Sipman = *C. novochlorophaea*
 metacorallifera Asahina = *C. straminea* (Timdal & Tønsberg 2012)
 microphylliza G. Merr. (Fink 1935) = *C. beaumontii* (Thomson 1967)
 mitrula Tuck. = *C. peziziformis*
 nanodes Robbins ex Sandst. = nom. invalid., identity uncertain
 nemoxyna (Ach.) Arnold = *C. rei*
 norrlinii Vainio = *C. acuminata* var. *acuminata*
 palamaea (Ach.) Fink (Fink 1935) = *C. furcata* (Thomson 1967)
 paludicola (Tuck.) G. Merr. (Fink 1935) = *incrassata* (Thomson 1967)
 papillaria (Ehrh.) Hoffm. = *Pycnothelia papillaria*
 pityrea (Flörke) Fr. = *C. ramulosa*
 polycarpia G. Merr. = *C. subcariosa* (Ahti 2000)
 polycarpoides Nyl. = *C. subcariosa* (Ahti 2000)
 polydactyla (Flörke) Sprengel = misidentification for North America, mostly refers to *C. umbricola* (fide T. Ahti)
 pseudodigitata Gyelnik = *C. coccifera*
 pseudohondoensis Asahina = misidentification for North America
 pseudomacilenta Asahina = misidentification for North America
 pseudorangiformis Asahina = *C. wainioi*
 pseudostellata Asahina (Spribille et al. 2010) = *C. uncialis* subsp. *uncialis* (Stenroos et al. 2015)
 psoromica J. P. Dey = *C. dimorphoclada* Robbins (Ahti 2000)
 pulchella Schwein. (Mohr 1901) = *C. didyma*

pycnoclada (Gaudich.) Nyl. = misidentification for North America (Ahti 1961)
 pyxidata (L.) Hoffm. var. pocillum (Ach.) Flotow (Tuckerman 1882) = Cladonia pocillum
 rangiferina (L.) Weber ex F.H. Wigg. var. alpestris Schrader (Tuckerman 1882) = Cladonia
 alpestris
 rangiferina var. sylvatica L. (Tuckerman 1882) = Cladonia portentosa
 rappii var. exilior (Abbayes) Ahti = C. rappii var. rappii
 reticulata (Russell) Vainio (Fink 1935) = C. boryi (Thomson 1967)
 santensis Tuck. var. beaumontii Tuck. (Tuckerman 1882) = Cladonia beaumontii
 schofieldii Ahti & Brodo (Brodo & Ahti 1996) = C. pseudalcicornis
 sobolescens Nyl. ex Vainio = C. subcariosa (Ahti 2000)
 stellaris var. aberrans (Abbayes) ined. = C. stellaris (Ahti, in litt.)
 stenophyllodes Vainio (Fink 1935) = misidentification for North America
 stricta var. uliginosa Ahti = C. uliginosa
 subapodocarpa Harris, nomen nudum (Hale 1979) = Cladonia petrophila
 subcervicornis (Vainio) Kernst. = misidentification for North America
 subclavulifera Asahina = C. subcariosa (Ahti 2000)
 subrangiformis auct. N. Am. = C. furcata
 subsquamosa (Nyl. ex Leighton) Crombie nom. illeg. = C. squamosa var. subsquamosa
 subsubulata Nyl. = misidentification for North America
 sylvatica nom. utique rej. s. auct. = C. arbuscula subsp. arbuscula (Ahti, in litt., Stenroos et al.
 2016)
 symphycharpa (Flörke) Fr. var. epiphylla (Ach.) Nyl. (Tuckerman 1882) Identity uncertain.
 theiophila Asahina = C. vulcani, but not present in North America
 turgida (Ehrh.) Hoffm. var. conspicua (Schaerer) Nyl. (Tuckerman 1882) = Cladonia turgida
 uncialis (L.) Fr. var. caroliniana (Tuck.) Tuck. (Tuckerman 1882) = Cladonia caroliniana
 vulcani Savicz = misidentification for North America
 vulcanica Zoll. & Moritzi = C. didyma var. vulcanica
 yunnana (Vainio) Abbayes ex J. C. Wei & Y. M. Jiang = misidentification for North America

CLADOPHIALOPHORA Borelli (Diederich et al. 2013)

***megalosporae** Diederich (Diederich et al. 2013)

***parmeliae** (Etayo & Diederich) Diederich & Unter. (Kocourková & Knudsen 2009d) Syn.:
 Sclerococcum parmeliae

CLATHROPORINA Müll. Arg.

isidiifera R. C. Harris (Harris 1995a)

subpungens (Malme) R. C. Harris (Harris 1995a)

tetracerae (Ach.) R. C. Harris (Harris 1995a)

***amygdalina** sensu Fink = Julella sublactea (Harris 1995a).

confinis Müll. Arg. = Porina nuculastrum (Harris 1995a)

diphloea Zahlbr. = Astrothelium megaspermum

***exiguella** Zahlbr. = Julella sublactea (Harris 1995a)

nuculastrum Müll. Arg. = Porina nuculastrum (Harris 1995a)

CLAUROUXIA D. Hawksw.

chalybeioides (Nyl.) D. Hawksw. (Fyday 2010)

CLAUZADEA Hafellner & Bellem.

chondrodes (A. Massal.) Clauzade & Cl. Roux (Lendemmer et al. 2013)

immersa (Hoffm.) Hafellner & Bellem. Syn.: Biatora calcivora, Lecidea calcivora

metzleri (Körber) Clauzade & Cl. Roux ex D. Hawksw. (Hansen 2003)

monticola (Ach.) Hafellner & Bellem. Syn.: Lecidea monticola, L. fuscorubens, Protoblastenia
 monticola

CLAUZADEANA Cl. Roux

macula (Taylor) Coppins & Rambold (Hertel 1991) Syn.: Lecanora morioides

CLAVASCIDIUM Breuss (Breuss 1996)

lacinulatum (Ach.) M. Prieto var. **lacinulatum** (Prieto et al. 2012) Syns.: Catapyrenium lacinulatum, Placidium lacinulatum
lacinulatum var. **atrans** (Breuss) M. Prieto (Prieto et al. 2012)
lacinulatum var. **erythrostrum** (Breuss) M. Prieto (Prieto et al. 2012)
umbrinum (Breuss) Breuss Syn.: Placidium umbrinum (Prieto et al. 2012)

CLIOSTOMUM Fr.

corrugatum (Ach.: Fr.) Fr. Syn.: Catillaria graniformis
flavidulum Hafellner & Kalb (Tønsberg 1997)
griffithii (Sm.) Coppins Syns.: Biatora griffithii, B. mixta, Catillaria griffithii, C. tricolor auct., Lecidea tricolor
leprosum (Räsänen) Holien & Tønsberg
spribillei Goward & Tønsberg (Tønsberg & Goward 2016)
tenerum (Nyl.) Coppins & S. Ekman (Ekman 1997) Syns.: Lecania tenera, Lecanora tenera
vitellinum Gowan
graniforme (K. G. Hagen) Coppins = C. corrugatum
luteolum Gowan = C. leprosum
pallens (Kullhem) S. Ekman = [Coppinsidea pallens](#) (Kondratyuk et al. 2019)

CLYPEOCOCCUM D. Hawksw.

***bisporum** Zhurb. (Zhurbenko 2009b)
***grossum** (Körber) D. Hawksw.
***hypocenomycis** D. Hawksw.
***placopsiiphilum** Øvstedal & D. Hawksw. (Spribille et al. 2020)
*epicrassum (H. Olivier) Hafellner & Nav.-Ros. According to Hawksworth (1986), our records probably based on Polycoccum squamarioides

COCCOCARPIA Pers.

domingensis Vainio
erythroxyli (Sprengel) Swinscow & Krog
filiformis Arv. (Kaminsky et al. 2013)
palmicola (Sprengel) Arv. & D. J. Galloway Syn.: Pannaria molybdaea var. **cronia**
pellita (Ach.) Müll. Arg. (Kaminsky et al. 2013)
prostrata Lücking, Aptroot & Sipman (Lücking et al. 2007)
stellata Tuck. Syns.: Pannaria stellata, Parmeliella stellata
asterella (Nyl.) Vainio = C. stellata
cronia (Tuck.) Vainio = C. palmicola
incisa Pers. = [Fuscopannaria incisa](#)
parmelioides (Hooker) Tuck. ex M. A. Curtis = C. erythroxyli

COCCOTREMA Müll. Arg.

hahriae T. Sprib. & Tønsberg (Spribille et al. 2010)
maritimum Brodo
pocillarium (Cummings) Brodo Syn.: Ochrolechia pacifica
minutum (Degel.) R. Sant. (Spribille et al. 2010) = [Ochrolechia minuta](#) (Spribille et al. 2020)

COELOCAULON Link

aculeatum (Schreber) Link = Cetraria aculeata
divergens (Ach.) R. Howe = Bryocaulon divergens
muricatum (Ach.) J. R. Laundon = Cetraria muricata
odontellum (Ach.) R. Howe = Cetraria odontella

COENOGONIUM Ehrenb.

congensis C. W. Dodge (Lücking et al. 2011b)

disjunctum Nyl.
geralense (P. Henn) Lücking (Lücking et al. 2011b)
implexum Nyl.
interplexum Nyl.
interpositum Nyl.
isidiatum (G. Thor & Vězda) Lücking, Aptroot & Sipman (Seavey & Seavey 2014a)
isidiiferum (Lücking) Lücking (Seavey & Seavey 2014a)
isidiigerum (Vězda & Osorio) Lücking, Aptroot & Sipman (Seavey & Seavey 2012)
isidiosum (Breuss) Rivas Plata, Lücking, Umaña & Chavez (Seavey & Seavey 2012)
linkii Ehrenb.
luteocitrinum Rivas Plata, Lücking & Umaña (Lücking et al. 2011b)
lutescens (Vězda & Malcolm) Malcolm (Seavey et al. 2014)
luteum (Dickson) Kalb & Lücking Syn.: *Dimerella lutea* (Lücking & Kalb 2000), *Gyalecta lutea*, *Microphiale lutea*
maritimum F. Seavey & J. Seavey (Seavey et al. 2017)
missouriense J. Davis
moniliforme Tuck.
nepalense (G. Thor & Vězda) Lücking (Seavey & Seavey 2014a)
pineti (Ach.) Lücking & Lumbsch (Lücking, Stuart & Lumbsch 2004) Syn. *Dimerella pineti*, *D. diluta*, *Microphiale diluta*
pusillum (Mont.) Lücking, Aptroot & Sipman (Seavey et al. 2014)
pyrophthalmum (Mont.) Lücking (Seavey et al. 2017)
roumeguerianum (Müll. Arg.) Kalb (Seavey et al. 2014)
stenosporum (Malme) Lücking, Aptroot & Sipman (Seavey et al. 2014)
subdentatum (Vězda & G. Thor) Rivas Plata, Lücking, Umaña & Chavez (Lücking et al. 2011b)
subdilutum (Malme) Lücking, Aptroot & Sipman (Seavey & Seavey 2014a)
subfallaciosum (Vězda & Farkas) Lücking, Aptroot & Sipman (Lücking et al. 2011b)

COLLEMA F. H. Wigg.

coniophilum Goward (Spribille et al. 2009)
curtisporum Degel.
flaccidum (Ach.) Ach. Syn.: *Synechoblastus rupestris*
furfuraceum (Arnold) Du Rietz
furfuraceum var. **luzonense** (Räsänen) Degel.
glebulentum (Nyl. ex Crombie) Degel.
leptaleum Tuck. Syn.: *Synechoblastus leptaleus*, *S. microptychius*
nigrescens (Hudson) DC. Syn.: *Synechoblastus nigrescens*
pulchellum Ach. Syn.: *Leptogium pulchellum*
pulchellum var. **leucopeplum** (Tuck.) Degel.
pulchellum var. **subnigrescens** (Müll. Arg.) Degel.
pustulatum Ach.
ryssoleum (Tuck.) A. Schneider Syn.: *Synechoblastus ryssoleus*
subflaccidum Degel.
subnigrescens Degel.
subparvum Degel.
texanum Tuck. Syn.: *Synechoblastus texanus*, *S. laciniatus*
thamnodes Riddle
apalachense Tuck. = *Scytinium apalachense* (Otálora et al. 2014)
arcticum Lynge = *Rostania ceranisca*
aggregatum (Ach.) Röhl = *Gabura fasciculare*
auriculatum Hoffm. = *Lathagrium auriforme*
auriforme (With.) Coppins & J. R. Laundon = *Lathagrium auriforme* (Otálora et al. 2014)
bachmanianum (Fink) Degel. = *Enchylium bachmanianum* (Otálora et al. 2014)
bermudanum Tuck. ex Riddle = *C. pustulatum* (Degelius 1974)
bermudiana Tuck. ex Riddle (Fink 1935) Orthographic variant of *C. bermudanum*
callibotrys Tuck. = *Rostania callibotrys* (Otálora et al. 2014)

callopismum A. Massal. = *Scytinium callopismum* (Otálora et al. 2014)
callopismum var. *rhyparodes* (Nyl.) Degel. = *Scytinium callopismum*
ceranicum Nyl. = *Rostania ceranisca* (Otálora et al. 2014)
chalazanum Ach. (Tuckerman 1882) = *Lempholemma chalazanum*
cheileum (Ach.) Ach. = *Blennothallia crispa*
cladodes Tuck. (Tuckerman 1882) = *Lempholemma cladodes*
coccophorum Tuck. = *Enchylium coccophorum* (Otálora et al. 2014)
conglomeratum Hoffm. = *Enchylium conglomeratum* (Otálora et al. 2014)
conglomeratum var. *corynesporum* (Malme) Degel. = *Enchylium conglomeratum*
conglomeratum var. *crassiusculum* (Malme) Degel. = *Enchylium conglomeratum*
crispum (Hudson) Weber ex F. H. Wigg. = *Blennothallia crispa* (Otálora et al. 2014)
cristatellum Tuck. = *Enchylium tenax*
cristatum (L.) Weber ex F. H. Wigg. = *Lathagrium cristatum* (Otálora et al. 2014)
cristatum var. *marginale* (Hudson) Degel. = *Lathagrium cristatum*
cyrtaspis Tuck. = *Enchylium conglomeratum*
dichotomum (With.) Coppins & J. R. Laundon = *Lathagrium dichotomum* (Otálora et al. 2014)
dubium B. de Lesd. = *Enchylium coccophorum* (Otálora et al. 2014)
fasciculare (L.) F. H. Wigg. = *Gabura fascicularis* (Jørgensen 2014)
fayettense Fink = *C. pustulatum*
fecundum Degel. = *Blennothallia fecunda* (Otálora et al. 2014)
fluviatile (Hudson) Steudel = *Lathagrium dichotomum*
fragrans (Sm.) Ach. = *Scytinium fragrans* (Otálora et al. 2014)
furvum (Ach.) Ach. = *Lathagrium fuscovirens* (Otálora et al. 2014)
fuscovirens (With.) J. R. Laundon = *Lathagrium fuscovirens* (Otálora et al. 2014)
glaucescens Hoffm. = *Enchylium limosum*
granosum auct. = *C. auriforme*
kauaiense H. Magn. = *Scytinium kauaiense* (Otálora et al. 2014)
laciniatum Nyl. = *C. texanum*
leucocarpum Hooker & Taylor = misidentification for North America
leucopeplum (Tuck.) A. Schneider = *C. pulchellum* var. *leucopeplum*
limosum (Ach.) Ach. = *Enchylium limosum* (Otálora et al. 2014)
melaenum (Ach.) Ach. (Tuckerman 1882) = *Lathagrium cristatum*
melaenum var. *polycarpon* (Hoffm.) Nyl. (Tuckerman 1882) = *Enchylium polycarpum*
microphyllum Ach. = *Scytinium fragrans*
microptychium Tuck. = *C. leptaleum*
multipartitum Sm. = *Callome multipartita* (Otálora et al. 2014)
myriococcum (Ach.) Ach. = *Lempholemma polyanthes*
nigrescens (Hudson) DC. var. *leucopeplum* Tuck. (Tuckerman 1882) = *Collema pulchellum* var. *leucopeplum*
novomexicanum B. de Lesd. = *Enchylium coccophorum*
nylanderianum Zahlbr. = *C. texanum*
occultatum Bagl. = *Rostania occultata* (Otálora et al. 2014)
occultatum var. *populinum* (Th. Fr.) Degel. = *Rostania occultata*
ohioense (Fink) Zahlbr. = *Enchylium conglomeratum*
plicatile (Ach.) Ach. = *Scytinium plicatile* (Otálora et al. 2014)
polycarpon Hoffm. = *Enchylium polycarpon* (Otálora et al. 2014)
pulposum (Bernh.) Ach. = *Enchylium tenax*
pyncocarpum Nyl. = *Enchylium conglomeratum*
quadrifidum D. F. Stone & McCune (Stone & McCune 2010) = [Scytinium quadrifidum](#) (Košťuhová et al. 2019)
rugosum Kremp. Not known from North America.
stenophyllum Nyl. = *Lathagrium dichotomum*
subfurfuraceum Degel. = *C. furfuraceum* var. *luzonense*
subfurvum sensu Degelius = *C. subflaccidum* Degel.
subfurvum (Müll. Arg.) Degel. = *C. rugosum*, but this taxon is not known from North America.
tenax (Sw.) Ach. = *Enchylium tenax* (Otálora et al. 2014)

tenax var. ceranoides (Borrer) Degel. = Enchylium tenax
tenax var. corallinum (A. Massal.) Degel. = Enchylium tenax
tenax var. crustaceum (Kremp.) Degel. = Enchylium tenax
tenax var. expansum Degel. = Enchylium expansum (Jørgensen & Goward 2014b)
tenax var. substellatum (H. Magn.) Degel. = Enchylium tenax
tuniforme (Ach.) Ach. = Lathagrium fuscovirens
undulatum Laurer ex Flotow = Lathagrium undulatum (Otálora et al. 2014)
undulatum var. granulosum Degel. = Lathagrium undulatum var. granulosum
verruciforme auct. = excluded as doubtful

COLLEMODES Fink = COLLEMA

bachmanianum Fink = Enchylium bachmanianum

COLLEMOPSISIDIUM Nyl.

angermannicum (Degel.) A. Nordin Syn.: Pyrenocollema strontianense (Nordin 2002)
bryospilum (Nyl.) Coppins Syn.: Arthopyrenia bryospilum (Fryday 2004a)
elegans (R. Sant.) Grube & B. D. Ryan (Grube & Ryan 2002) Syn.: Pyrenocollema elegans
foveolatum (A. L. Sm.) F. Mohr (Dillman et al. 2012)
halodytes (Nyl.) Grube & B. D. Ryan (Grube & Ryan 2002) Syn.: Arthopyrenia halodytes,
Pyrenocollema halodytes
sublitorale (Leighton) Grube & B. D. Ryan (Grube & Ryan 2002) Syn.: Arthopyrenia
sublitoralis, A. litoralis auct., Pyrenocollema sublitorale

COLLEMOPSIS Nyl. ex Crombie

segregata Nyl. ex Hasse = Lempholemma chalazanum

COMBEA De Not.

californica (Th. Fr.) Follmann & M. Geyer = Schizopelte californica

CONIAMBIGUA Etayo & Diederich

***phaeographidis** Etayo & Diederich (Diederich 2003)

CONIARTHONIA Grube

gregarina (Willey) Grube (Grube 2001) Syn.: Arthonia gregarina, Arthothelium gregarinum
pyrrhula (Nyl.) Grube (Grube 2001) Syn.: Arthonia pyrrhula

CONIOCARPON DC. (Van den Broeck et al. 2018)

tuckermanianum (Willey) Van den Broeck & Ertz Syn.: Arthonia tuckermaniana

CONIOCYBE Ach.

furfuracea (L.) Ach. = Chaenotheca furfuracea
gracilescens Willey = Chaenotheca chrysocephala (Selva 2004)
gracillima Vainio = Chaenotheca gracillima
nivea (Hoffm.) Arnold non Tuck. & Mont. = Sclerophora nivea
pallida (Pers.) Fr. = Sclerophora nivea
sulphurea (Retz.) Nyl. = Chaenotheca brachypoda

CONIOCYBOPSIS Vainio

arenaria (Hampe ex A. Massal.) Vainio = Microcalicium arenarium

CONOTREMA Tuck.

albonigrum Zahlbr. = Trinathotrema stictideum
urceolatum (Ach.) Tuck. = Stictis urceolatum

CONSTRICHTOLUMINA Lücking, M. P. Nelsen & Aptroot

cinchonae (Ach.) Lücking, M. P. Nelsen & Aptroot Syn.: Arthopyrenia cinchonae, Pyrenula

cinchonae (Aptroot & Lücking 2016)

leucostoma (Müll. Arg.) Lücking, M. P. Nelsen & Aptroot Syn.: *Arthopyrenia confluens* (Aptroot & Lücking 2016)

lyrata (R. C. Harris) Lücking, M. P. Nelsen & Aptroot Syn.: *Arthopyrenia lyrata* (Aptroot & Lücking 2016)

majuscula (Nyl.) Lücking, M. P. Nelsen & Aptroot Syn.: *Arthopyrenia majuscula* (Aptroot & Lücking 2016)

malaccitula (Nyl.) Lücking, M. P. Nelsen & Aptroot Syn.: *Arthopyrenia malaccitula* (Aptroot & Lücking 2016)

planorbis (Ach.) Lücking, M. P. Nelsen & Aptroot Syn.: *Arthopyrenia planorbis* (Aptroot & Lücking 2016)

COPPINSIDEA S.Y. Kondr., E. Farkas & L. Lőkös (Kondratyuk et al. 2019)

croatica (Zahlbr.) S.Y. Kondr., E. Farkas & L. Lőkös Syn.: *Lecania croatica*

pallens (Kullhem) S.Y. Kondr., E. Farkas & L. Lőkös Syn.: *Bacidia pallens*, *Biatora pallens*, *Cliostomum pallens*

sphaerella (Hedl.) S.Y. Kondr., E. Farkas & L. Lőkös Syn.: *Lecidea sphaerella*

vainioana S.Y. Kondr., E. Farkas & L. Lőkös Syn.: *Biatora sphaeroidiza*, *Lecidea sphaeroidiza*

CORA Fr. (Lawrey et al. 2009)

timucua Dal Forno, Kaminsky & Lücking (Lücking et al. 2020)

glabrata (Sprengel) Fr. = *Cora timucua*, for North American reports

pavonia (Sw.) Fr. = *Cora timucua*, for North American reports

CORISCIUM Vainio = **LICHENOMPHALIA**

viride (Ach.) Vainio = *Lichenomphalia hudsoniana*

CORNICULARIA (Schreber) Hoffm.

normoerica (Gunn.) Du Rietz

aculeata (Schreber) Ach. = *Cetraria aculeata*

californica (Tuck.) Du Rietz = *Kaernefeltia californica*

divergens Ach. = *Bryocaulon divergens*

fibrillosa (Ach.) Halsey = *Bryoria furcellata*

muricata (Ach.) Ach. = *Cetraria muricata*

odontella (Ach.) Westend. = *Cetraria odontella*

pseudosatoana Asahina = *Bryocaulon pseudosatoanum*

CORNUTISPORA Piroz.

***ciliata** Kalb (Cole & Hawksw. 2001)

***intermedia** Punith & D. Hawksw. (Esslinger & Egan 1995)

***lichenicola** D. Hawksw. & B. Sutton (Kalb et al. 1995)

***pyramidalis** Etayo (McMullin et al. 2017, Seaward et al. 2017) = *Spirographa pyramidalis* (Flakus et al. 2019)

CORTICIFRAGA D. Hawksw. & R. Sant.

***chugachiana** Zhurb. (Zhurbenko 2007a)

***fuckelii** (Rehm) D. Hawksw. & R. Sant. Syn.: *Phragmonaevia fuckelii*

***nephromatis** Pérez-Ort. (Spribille et al. 2020)

***peltigerae** (Nyl.) D. Hawksw. & R. Sant. (Alstrup & Cole 1998)

***santessonii** Zhurb. & Zavarzin (Zhurbenko 2007a)

***scrobiculatae** Pérez-Ortega (Spribille et al. 2010)

CORYNESPORA Güssow

laevistipitata (M. S. Cole & D. Hawksw.) Heuchert & U. Braun Syn.: *Taeniolella laevistipitata* (Heuchert & Braun 2006)

CRATIRIA Marbach (Marbach 2000)

americana (Fée) Kalb & Marbach Syn.: *Buellia modesta*
lauricassiae (Fée) Marbach Syn.: *Buellia lauricassiae*
melanochlora (Kremp.) Marbach Syn.: *Buellia melanochlora*

CRESPOA (D. Hawksw.) Lendemer & Hodkinson (Lendemer & Hodkinson 2012)

crozalsiana (B. de Lesd. ex Harm.) Lendemer & Hodkinson (Lendemer & Hodkinson 2012)
Syns.: *Canoparmelia crozalsiana*, *Parmelia crozalsiana*, *Pseudoparmelia crozalsiana*

CRESPONEA Egea & Torrente

chloroconia (Tuck.) Egea & Torrente Syn.: *Lecanactis chloroconia*, *L. premnea* var. *chloroconia*
flava (Vainio) Egea & Torrente (Harris 1995a)
lepricurii (Mont.) Egea & Torrente
premnea (Ach.) Egea & Torrente Syn.: *Lecanactis premnea*
premnea var. **saxicola** (Leighton) Egea & Torrente
proximata (Nyl.) Egea & Torrente

CROCODIA Link (Galloway & Elix 2013)

aurata (Ach.) Link Syns.: *Pseudocyphellaria aurata*, *Sticta aurata*

CROCYNIA (Ach.) A. Massal.

aliciae Hue = *Lepraria finkii* (fide J. Lendemer)
alpina B. de Lesd. = *Leparia neglecta*
americana B. de Lesd. = *Lepraria finkii* (fide J. Lendemer)
finkii B. de Lesd. = *Lepraria finkii*
gossypina (Sw.) A. Massal. = *Phyllopsora gossypina* (Kistenich et al. 2018)
membranacea (Dickson) Zahlbr. = *Lepraria membranacea*
moxleyi Plitt = non-lichenized *Septobasidium* sp.
neglecta (Nyl.) Hue = *Lepraria neglecta*
pyxinoidea Nyl. = *Phyllopsora pyxinoidea* (Kistenich et al. 2018)

CRYPTODISCUS Corda

***cladoniicola** (D. Hawksw. & R. Sant.) Pino-Botas, Zhurb. & S. Stenroos Syn.: *Lettauia cladoniicola* (Pino-Bodas et al. 2017)
***epicladonia** Zhurb. & Pino-Bodas (Pino-Bodas et al. 2017)
***galaninae** Zhurb. & Pino-Bodas (Pino-Bodas et al. 2017)
gloeocapsa (Nitschke ex Arnold) Baloch, Gilenstam & Wedin Syn.: *Bryophagus gloeocapsa* (Baloch et al. 2009)

CRYPTOLECHIA A. Massal. = **GYALECTA** (Lücking et al. 2019)

carneolutea (Turner) A. Massal. = *Gyalecta carneolutea* (Lücking et al. 2019)
nana (Tuck.) D. Hawksw. & Dibben (Lücking et al. 2011b) = *Gyalecta nana* (Lücking et al. 2019)

CRYPTOTHECIA Stirton

calusarum F. Seavey & J. Seavey (Seavey et al. 2017)
effusa (Müll. Arg.) R. Sant. (Lücking et al. 2011b)
evergladensis Seavey (Seavey 2009)
fuscopunctata F. Seavey & J. Seavey (Seavey & Seavey 2014a)
miniata Vainio ex Lücking (Lücking et al. 2011b)
punctosorediata Sparrius (Lücking et al. 2011b)
randallii F. Seavey & J. Seavey (Seavey et al. 2017)
striata G. Thor Syn.: *Chiodecton montagnei* sensu auct. N.A. (Thor 1991)
submacrocephala F. Seavey & J. Seavey (Seavey et al. 2017)
rubrocincta (Ehrenb. : Fr.) G. Thor = *Herpothallon rubrocinctum*

CRYPTOTHELE Th. Fr.

granuliforme (Nyl.) Henssen Syn.: *Pyrenopsisidium granuliforme*, *Pyrenopsis granuliformis*
neglecta Henssen (Spribille et al. 2020)
permiscens (Nyl.) Th. Fr. Syn.: *Pyrenopsis phylliscina*

CULBERSONIA Essl. (Esslinger 2000a)

nubila (Moberg) Essl. (Esslinger 2002b)
americana Essl. = *C. nubila*

CYANISTICTA Gyelnik

epiflavoides Gyelnik (Gyelnik 1931) = *Pseudocyphellaria epiflavoides*

CYBEBE Tibell = **CHAENOTHECA** (Tibell 2001)

gracilenta (Ach.) Tibell = *Chaenotheca gracilenta* (Tibell 2001)

CYCLOHYMENIA McCune & M. J. Curtis (McCune et al. 2017)

epilithica McCune & M. J. Curtis

CYPHELIOPSIS Vainio = **THELOMMA**

bolanderi (Tuck.) Vainio = *Thelomma mammosum*

CYPHELIUM Ach. = **CALICIUM** (Prieto & Wedin 2017)

brachysporum Nádvy. = *Calicium brachysporum* (Knudsen et al. 2020 (2019))
andersonii Herre = *Thelomma californicum*
brunneum W. A. Weber = *Thelomma brunneum*
caliciforme (Flotow) Zahlbr. = *Pseudothelomma occidentale* for most North American records
californicum (Tuck.) Zahlbr. = *Thelomma californicum*
carolinianum (Tuck.) Zahlbr. = *Calicium carolinianum*
chloroconium (Tuck.) Zahlbr. = *Acolium chloroconium*
farlowii (Tuck. ex Herre) Herre = *Thelomma californicum*
inquinans (Sm.) Trevisan = *Acolium inquinans*
karelicum (Vainio) Räsänen = *Acolium karelicum*
lucidum (Th. Fr.) Th. Fr. = *Calicium lucidum*
notarisii (Tul.) Blomb. & Forssell = *Calicium notarisii*
occidentale Herre = *Pseudothelomma occidentale*
ocellatum (Körber) Trevisan = *Pseudothelomma ocellatum*
pinicola Tibell = *Calicium pinicola*
sancti-jacobi (Tuck.) Zahlbr. = *Texosporium sancti-jacobi*
**sessile* (Pers.) Trevisan = *Acolium sessile*
tigillare (Ach.) Ach. = *Calicium tigillare*
tigillare subsp. *notarisii* (Tul.) W. A. Weber = *Calicum notarisii*
trachylioides (Nyl. ex Branth & Rostrup) Erichsen = *Calicium trachylioides*
ventricosulum (Müll. Arg.) Zahlbr. = *Acolium inquinans*

CYPHELLOSTEREUM D. A. Reid

georgianum Dal Forno, McMullin & Lücking (Dal Forno et al. 2019)
jamesianum Dal Forno & Kaminsky (Dal Forno et al. 2019)
phylogenum (Müll. Arg.) Lücking, Dal Forno & Lawrey Syn.: *Dictyonema phylogenum*
(Lücking et al. 2013b)

CYPHOBASIDIUM Millanes, Diederich & Wedin

***hypogymniicola** (Diederich & Ahti) Millanes, Diederich & Wedin Syn.: *Cystobasidium hypogymniicola* (Millanes et al. 2016)
***usneicola** (Diederich & Alstrup) Millanes, Diederich & Wedin Syn.: *Cystobasidium usneicola* (Millanes et al. 2016)

CYSTOBASIDIUM (Lagerh.) Neuhoff

**hypogymniicola* Diederich & Ahti (Diederich 1996) = *Cyphobasidium hypogymniicola* (Millanes et al. 2016)

**usneicola* Diederich & Alstrup (Diederich 1996) = *Cyphobasidium usneicola* (Millanes et al. 2016)

CYSTOCOLEUS Thwaites

ebeneus (Dillwyn) Thwaites

rupestris (Pers.) Rabenh. (Tuckerman 1882) = *Racodium rupestre*

DACAMPIA A. Massal.

***engeliana** (Sauter) A. Massal. (Henssen 1995)

†**hookeri** (Borrer) A. Massal.

***lecaniae** Kocourk. & K. Knudsen (Kocourkova & Knudsen 2010)

***rufescentis** (Vouaux) D. Hawksw. (Zhurbenko & Daniëls 2003)

DACTYLINA Nyl.

arctica (Hooker f.) Nyl. Syn.: *Cetraria arctica*

beringica C. D. Bird & J. W. Thomson (Treated as subsp. of *D. arctica* by Kärnefelt & Thell 1996)

ramulosa (Hooker f.) Tuck. Syn.: *Cetraria ramulosa*

madreporiformis (Ach.) Tuck = *Allocetraria madreporiformis*

DACTYLOSPORA Körber = **SCLEROCOCCUM** (Diederich et al. 2018)

**aeruginosa* Holien & Ihlen (Ihlen et al. 2004a) = *Sclerococcum aeruginosum* (Diederich et al. 2018)

**ahtii* Zhurb. & Pino-Bodas (Pino-Bodas et al. 2017) = *Sclerococcum ahtii* (Diederich et al. 2018)

**amygdalariae* Triebel = *Sclerococcum amygdalariae* (Diederich et al. 2018)

**athallina* (Müll. Arg.) Hafellner = *Sclerococcum athallinum* (Diederich et al. 2018)

**attendenda* (Nyl.) Arnold = *Sclerococcum attendendum* (Diederich et al. 2018)

**borealis* Holien & Ihlen (Ihlen et al. 2004a) = *Sclerococcum boreale* (Diederich et al. 2018)

**deminuta* (Th. Fr.) Triebel = *Sclerococcum deminutum* (Diederich et al. 2018)

**frigida* Hafellner (Dillman et al. 2012) = *Sclerococcum frigidum* (Diederich et al. 2018)

**glaucomarioides* (Willey ex Tuck.) Hafellner = *Sclerococcum glaucomarioides* (Diederich et al. 2018)

**inquilina* (Tuck.) Hafellner = *Sclerococcum inquilinum* (Diederich et al. 2018)

**lobariella* (Nyl.) Hafellner = *Sclerococcum lobariellum* (Diederich et al. 2018)

**lurida* Hafellner (Harris & Lendemmer 2005) = *Sclerococcum luridum*

**parasitica* (Flörke ex Sprengel) Zopf = *Sclerococcum parasiticum* (Diederich et al. 2018)

**parellaria* (Nyl.) Arnold = *Sclerococcum parellarium* (Diederich et al. 2018)

**pertusariicola* (Willey ex Tuck.) Hafellner = *Sclerococcum pertusariicola* (Diederich et al. 2018)

**pleiosperma* Triebel (Hafellner et al. 2002) = *Sclerococcum pleiospermum* (Diederich et al. 2018)

**porphyrea* Hafellner & Kalb (Etayo & Breuss 1998) = *Sclerococcum porphyreum* (Diederich et al. 2018)

**purpurascens* Triebel = *Sclerococcum purpurascens* (Diederich et al. 2018)

**rhyparizae* Arnold (Zhurbenko 2013) = *Sclerococcum rhyparizae* (Diederich et al. 2018)

**saxatilis* (Schaerer) Hafellner var. *saxatilis* = *Sclerococcum saxatile* (Diederich et al. 2018)

**suburceolata* Coppins & Fryday (McMullin et al. 2017) = *Sclerococcum suburceolatum* (Diederich et al. 2018)

**urceolata* (Th. Fr.) Arnold = *Sclerococcum urceolatum* (Diederich et al. 2018)

DEGELIA Arv. & D. J. Galloway

plumbea (Lightf.) P. M. Jørg. & P. James = *Pectenium plumbeum* (Ekman et al. 2014)

DENDRISCOCAULON Nyl.

intricatum (Nyl.) Henssen Syn.: *Leptogidium intricatum*, *Polychidium intricatum*
umhausense (Auersw.) Degel. Syn.: *Polychidium umhausense*

DENDRISCOSTICTA B. Moncada & Lücking (Moncada et al. 2013)

oroborealis (Goward & Tønsberg) B. Moncada & Lücking Syn.: *Sticta oroborealis* (Moncada et al. 2013)

wrightii (Tuck.) B. Moncada & Lücking Syn.: *Sticta wrightii* (Moncada et al. 2013)

DENDRODOCHIUM Bonord

***subeffusum** Ellis & Everh.

DENDROGRAPHA Darb.

alectoroides Sundin & Tehler (Sundin & Tehler 1996)

conformis (Tehler) Ertz & Tehler (Ertz & Tehler 2011)

decolorans (Turner & Borrer ex Sm.) Ertz & Tehler (Ertz & Tehler 2011)

franciscana (Zahlbr. ex Herre) Ertz & Tehler (Ertz & Tehler 2011)

leucophaea (Tuck.) Darb. Syn.: *Rocella leucophaea*

minor Darb. = *D. leucophaea* (Tuck.) Darb. (Sundin & Tehler 1996)

DERMATINA (Almq.) Zahlbr. = PEZICULA

"**pyrenocarpa**" (Nyl.) Zahlbr. = *Mycoporum compositum*

DERMATISCUM Nyl.

catawense (Willey) Nyl. = *Dermiscellum oulocheila*

DERMATOCARPON Eschw.

americanum Vainio (Heidmarsson & Breuss 2004)

arenosaxi Amtoft (Amtoft et al. 2008)

arnoldianum Degel.

atrogranulosum Breuss (Breuss 2003)

bachmannii Anders (Heidmarsson & Breuss 2004)

dolomiticum Amtoft (Amtoft et al. 2008)

intestiniforme (Körber) Hasse

leptophyllodes (Nyl.) Vainio ex Hav. (Heidmarsson & Breuss 2004, Heidmarsson 2017)

linkolae Räsänen (Goward et al. 1996)

lorenzianum Anders

luridum (With.) J. R. Laundon

luridum var. **xerophilum** Amtoft (Amtoft et al. 2008)

meiophyllizum Vainio (Glavich & Geiser 2004)

miniatum (L.) W. Mann Syn.: *Endocarpon miniatum*

moulinsii (Mont.) Zahlbr.

muhlenbergii (Ach.) Müll. Arg. (Amtoft et al. 2008)

multifolium Amtoft (Amtoft et al. 2008)

polyphyllizum (Nyl.) Blomb. & Forssell (Heidmarsson & Breuss 2004)

reticulatum H. Magn.

rivulorum (Arnold) Dalla Torre & Sarnth.

[**Entosthelia saxicola** B. de Lesd.]

schaechtelinii Werner (Heidmarsson & Breuss 2004)

taminium Heidmarsson (Heidmarsson 2003)

tenue (Müll. Arg.) Heidmarsson (Heidmarsson 2003)

tomentulosum Amtoft (Amtoft 2006)

vellereum Zschacke

acarosporoides Zahlbr. = *Placidium acarosporoides*

aquaticum (Weiss) Zahlbr. = *D. luridum*

arboresum (Schwein.) Fink = *Placidium arboresum*

cinereum (Pers.) Th. Fr. = *Catapyrenium cinereum*
 #compactum (A. Massal.) Lettau = *Heteroplacidium compactum*
 daedaleum (Kremp.) Th. Fr. = *Catapyrenium daedaleum*
 fluviatile (Weber) Th. Fr. = *D. luridum*
 granulorum (B. de Lesd.) Zahlbr. = *Catapyrenium granulorum*
 hepaticum auct. = *Placidium squamulosum*
 hepaticum (Ach.) Th. Fr. = *Catapyrenium cinereum*
 heppioides Zahlbr. = *Placopyrenium heppioides*
 lachneum (Ach.) A. L. Sm. = *Placidium lachneum*
 lecideoides (A. Massal.) Hasse = *Placopyrenium lecideoides*
 leptophyllum (Ach.) Lång = *D. miniatum*
 lyngei Servit Reported from Greenland and Iceland but not U. S. or Canada
 michelii (A. Massal.) Zwackh = *Placidium michelii*
 miniatum (L.) W. Mann var. complicatum (Lightf.) Th. Fr. = *D. miniatum* (Heidmarsson 2003)
 novomexicanum (B. de Lesd.) Zahlbr. = *Placidium acarosporoides*
 peltatum (Taylor) Zahlbr. = a sterile psoroid lichen; a misidentification for North America
 plumbum (B. de Lesd.) Zahlbr. = *Verrucaria inficiens*
 polyphyllum (Wulfen) Dalla Torre & Sarnth. = *D. intestiniforme*
 rufescens (Ach.) Th. Fr. = *Placidium rufescens*
 rupicola (B. de Lesd.) Zahlbr. = *Verrucaria othmarii* (Knudsen & Kocourková 2012a)
 squamellum (Nyl.) Herre = *Catapyrenium squamellum*
 tuckermanii (Rav. ex Mont.) Zahlbr. = *Placidium arboreum*
 vagans Imshaug = *D. reticulatum* H. Magn.
 waltheri (Kremp.) Blomb. & Forssell = *Involucropyrenidium waltheri*
 weberi (Ach.) W. Mann = *D. luridum*
 zahlbruckneri Hasse = *Placopyrenium stanfordii*

DERMISCELLUM Hafellner, H. Mayrhofer & Poelt

oulocheila (Tuck.) Lendemer Syns.: *Buellia catawbensis*, *Dermatiscum catawbense*, *Opegrapha oulocheila* (Lendemer 2003)
 catawbense (Willey) Hafellner & Poelt = *D. oulocheila*

DESMAZIERIA Mont.

cephalota (Tuck.) Follmann & Huneck = *Niebla cephalota*
 ceruchis (Ach.) Trevisan = *Niebla ceruchis*, but absent from North America (Spjut 1996)
 combeoides (Nyl.) Follmann & Huneck = *Niebla combeoides*
 evernioides (Nyl.) Follmann & Huneck = *Ramalina lacera*
 homalea (Ach.) Mont. = *Niebla homalea*
 peruviana (Ach.) Follmann & Huneck = *Ramalina peruviana*
 testudinaria (Nyl.) Follmann & Huneck = *Niebla homalea*

DIBAEIS Clem.

absoluta (Tuck.) Kalb & Gierl Syn.: *Baeomyces absolutus*
baeomyces (L. f.) Rambold & Hertel Syn.: *Baeomyces roseus*
 fungoides (Sw.) Kalb & Gierl = A tropical species, not in North America
 rosea (Pers.) Clem. = *D. baeomyces*

DICTYOCATENULATA Finley & E. F. Morris

alba Finley & E. F. Morris (Lendemer & Harris 2004)

DICTYOMERIDIUM Aptroot, M. P. Nelsen & Lücking

amyloporum (Vainio) Aptroot, M. P. Nelsen & Lücking Syns.: *Campylothelium amyloporum*,
Polyblastiopsis dealbens (Aptroot & Lücking 2016)
proponens (Aptroot, M. P. Nelsen & Lücking) Aptroot, M. P. Nelsen & Lücking Syn.:
Polymeridium proponens (Aptroot & Lücking 2016)

DICTYONEMA C. Agardh

lawreyi Dal Forno, Kaminsky & Lücking (Dal Forno et al. 2019)

moorei (Nyl.) Henssen

sericeum (Sw.) Berk.

glabratum (Sprengel) D. Hawksw. = *Cora timucua*, for North American reports (Lücking et al. 2020)

guadalupense (Rabenh.) Zahlbr. = *D. sericeum*

irpicinum Mont. = misidentification for North America

pavonium (Sw.) Parmasto = *Cora timucua*, for North American reports (Lücking et al. 2020)

phyllogenum (Müll. Arg.) Zahlbr. (Lücking et al. 2011b) = *Cyphellostereum phyllogenum*

DIDYMELLOPSIS (P. A. Saccardo) Clem. & Shear

***latitans** (Nyl.) Clem. & Shear (Zhurbenko 2009a)

***pulposi** (Zopf) Grube & Hafellner (Zhurbenko 2013)

DIDYMOCYRTIS Vainio

***bryonthae** (Arnold) Hafellner Syn.: *Polycoccum bryonthae* (Ertz et al. 2015a)

***cladonicola** (Diederich, Kocourk. & Etayo) Ertz & Diederich Syn.: *Phoma cladonicola* (Ertz et al. 2015a)

***consimilis** Vainio (Ertz et al. 2015a) Syn.: *Phoma caloplacae* (Diederich et al. 2018)

***epiphyscia** Ertz & Diederich Syn.: *Phoma physciicola* (Ertz et al. 2015a)

***grumantiana** (Zhurb. & Diederich) Zhurb. & Diederich Syn.: *Phoma grumantiana* (Diederich et al. 2018)

***melanelixiae** (Brackel) Diederich, Harris & Etayo (Ertz et al. 2015a)

***xanthomendozae** (Diederich & Freebury) Diederich & Freebury Syn.: *Phoma xanthomendozae* (Ertz et al. 2015a)

DIDYMOSPHAERIA Fuckel

***epicrassa** (H. Olivier) Vouaux = *Clypeococcum epicrassum*, but see note there

DIGITOTHYREA P. P. Moreno & Egea

divergens (Henssen) Moreno & Egea (Sweat et al. 2004)

polyglossa (Nyl.) P. P. Moreno & Egea (Schultz 2002b)

DIMELAENA Norman

#**lichenicola** K. Knudsen, Sheard, Kocourk. & H. Mayrhofer (Knudsen et al. 2013b)

oreina (Ach.) Norman Syns.: *Rinodina oreina*, *R. hueana*, *R. novomexicana*, *R. suboreina*

radiata (Tuck.) Müll. Arg. (Matzer et al. 1996) Syns.: *Buellia radiata*, *Rinodina radiata*

tenuis (Müll. Arg.) H. Mayrhofer & Wippel (Beeching 2007)

thysanota (Tuck.) Hale & W. L. Culb. Syn.: *Rinodina thysanota*

weberi Sheard

angelica (Stizenb.) Hale & W. L. Culb. = *Mobergia angelica*

#**californica** (H. Magn.) Sheard = *Monerolechia californica* (Diederich et al. 2018)

chrysomelaena (Ach.) Hale & W. L. Culb. = *Rinodina chrysomelaena*

novomexicana (B. de Lesd.) Hale & W. L. Culb. = *D. oreina*

suboreina (B. de Lesd.) Hale & W. L. Culb. = *D. oreina*

DIMERELLA Trevisan = **COENOGONIUM** (Lücking & Kalb 2000)

diluta (Pers.) Trevisan = *Coenogonium pineti*

lutea (Dickson) Trevisan = *Coenogonium luteum*

pineti (Ach.) Vězda = *Coenogonium pineti*

DIMIDIOGRAPHA Ertz & Tehler (Ertz & Tehler 2011)

longissima (Müll. Arg.) Ertz & Tehler (Ertz & Tehler 2011) Syn.: *Graphis atrorubens*, *Opegrapha longissima*

DINEMASPORIUM Lév.

***strigosum** (Fr.) Sacc. (Alstrup & Cole 1998)

DIORYGMA Eschw.

antillarum (Vainio) Nelsen, Lücking & Rivas Plata (Nelsen et al. 2012) Syn.: Herpotheridium antillarum

basinigrum F. Seavey & J. Seavey (Seavey & Seavey 2014a)

junghuhnii (Mont. & Bosch) Kalb, Staiger & Elix (Tripp et al. 2010)

microsporium M. Cáceres & Lücking (Lumbsch et al. 2011; Lücking et al. 2011b)

poitai (Fée) Kalb, Staiger & Elix (Kalb et al. 2004) Syn.: Graphina virginea

pruinatum (Ehrh.) Kalb Syn.: Graphina platyleuca (Tripp et al. 2010)

reniforme (Fée) Kalb, Staiger, & Elix (Tripp et al. 2010)

DIPLOICIA A. Massal.

canescens (Dickson) A. Massal. Syn.: Buellia canescens

DIPLOLAEVIOPSIS Giralt & D. Hawksw.

***ranula** Giralt & D. Hawksw. (Diederich 2003)

DIPLOSCHISTELLA Vainio

athalloides (Nyl.) Lücking, Knudsen & Fryday (Lücking et al. 2007) Syn.: Rhizocarpon athalloides

DIPLOSCHISTES Norman

actinostomus (Ach.) Zahlbr. Syn.: Urceolaria actinostoma

aeneus (Müll. Arg.) Lumbsch

arabiensis Lumbsch

badius Lumbsch & Elix

#**caesioplumbeus** (Nyl.) Vainio (Lumbsch 2002)

candidissimus (Kremp.) Zahlbr. (Esslinger & Egan 1995)

diacapsis (Ach.) Lumbsch Syn.: Urceolaria albissima

gypsaceus (Ach.) Zahlbr.

hypoleucus Zahlbr.

#**muscorum** (Scop.) R. Sant. subsp. **muscorum**

scruposus (Schreber) Norman Syn.: Urceolaria scruposa

albissimus (Ach.) Dalla Torre & Sarnth. = D. diacapsis

bisporus (Bagl.) J. Steiner = Ingvariella bisporus

bryophilus (Ehrh. ex Ach.) Zahlbr. = D. muscorum subsp. muscorum

canadensis Räsänen = D. muscorum subsp. muscorum

scruposus (Schreber) Norman var. parasiticus (Sommerf.) Zahlbr. = D. muscorum

stramineus Zahlbr. = D. hypoleucus

DIPLOTOMMA Flotow

alboatrum (Hoffm.) Flotow Syns.: Buellia alboatra, B. alboatra var. saxicola, Rhizocarpon alboatrum

ambiguum (Ach.) Flagey Syn.: Buellia ambigua

chlorophaeum (Hepp ex Leighton) Kr. P. Singh & S. R. Singh Syns.: Rhizocarpon chlorophaeum, Buellia chlorophaea

nivale (Bagl. & Carestia) Hafellner (Hafellner & Türk 1995) Syn.: Buellia nivalis

penichrum (Tuck.) Szatala Syns.: Buellia oidalia var. penichra, B. penichra, Rhizocarpon penichrum

venustum (Körber) Körber Syns.: Buellia epipolia, B. venusta, B. lecanoroides, Rhizocarpon cumulatum

epipolium sensu auct. = D. venustum (Nordin 1996, McCune 2017)

epipolium (Ach.) Arnold = D. alboatrum (Nordin 1996, McCune 2017)

*pulverulentum (Anzi) D. Hawksw. (Molina et al. 2002) = Tetramelas pulverulentus

DIRINA Fr.**catalinariae** Hasse**massiliensis** Durieu & Mont. (Harris & Ladd 2005; reported as f. *sorediata*)**paradoxa** (Fée) Tehler*approximata* Zahlbr. subsp. *hioramii* (B. de Lesd.) Tehler = *D. paradoxa**calcicola* Sparrius (Sparrius 2004a) = *Fulvophyton calcicola* (Tehler et al. 2013)*californica* Tuck. = *Sigridea californica**franciscana* Zahlbr. ex Herre = *Dendrographa franciscana**hassei* Zahlbr. = *Sigridea californica**rediunta* Hasse = *Schismatomma rediunta***DIRINARIA** (Tuck.) Clem.**aegialita** (Afz.) B. J. Moore Syn.: *Physcia aspera*, *P. aegialita***applanata** (Fée) D. D. Awasthi**confluens** (Fr.) D. D. Awasthi**confusa** D. D. Awasthi**confusa** var. **saxicola** (Räsänen) D. D. Awasthi**frostii** (Tuck.) Hale & W. L. Culb. Syn.: *Physcia frostii*, *Pyxine frostii***leopoldii** (Stein) D. D. Awasthi**neotropica** Kalb (Kalb 2004a)**papillulifera** (Nyl.) D. D. Awasthi**picta** (Sw.) Clem. & Shear Syn.: *Physcia picta*, *Pyxine picta*, *P. picta* var. *erythrocardia***purpurascens** (Vainio) B. J. Moore Syn.: *Physcia purpurascens**aspera* (H. Magn.) D. D. Awasthi = *D. aegialita*

DISCOTHECIUM Zopf = ENDOCOCCUS Nyl.

gemmiferum* Vouaux = an uncertain species of *Endococcus*DISTOPYRENIS** Aptroot**americana** Aptroot**pachyospora** Aptroot (Harris 1995a)**quercicola** R. C. Harris (Harris 1995a)**submuriformis** R. C. Harris (Harris 1995a)

DITREMIS Clem. = ANISOMERIDIUM

albiseda (Nyl.) R. C. Harris = *Anisomeridium albisedum**ambigua* (Zahlbr.) R. C. Harris = *Anisomeridium ambiguum**anisoloba* (Müll. Arg.) R. C. Harris = *Anisomeridium anisolobum**biformis* (Borrer) R. C. Harris = *Anisomeridium biforme**carinthiaca* (Steiner) R. C. Harris = *Anisomeridium carinthiacum**distans* (Willey) R. C. Harris = *Anisomeridium distans**finkii* R. C. Harris = *Anisomeridium finkii**leucochlora* (Müll. Arg.) R. C. Harris = *Anisomeridium leucochlorum**macrospora* R. C. Harris = *Anisomeridium aureopunctatum**nyssigena* (Ellis & Everh.) R. C. Harris = *Anisomeridium polypori**quaternaria* R. C. Harris = *Anisomeridium quaternarium**sanfordensis* (Zahlbr.) R. C. Harris = *Anisomeridium excaecariae**subprostans* (Nyl.) R. C. Harris = *Anisomeridium subprostans**tamarindii* (Fée) R. C. Harris = *Anisomeridium tamarindii**terminata* (Nyl.) R. C. Harris = *Anisomeridium terminatum**tuckeriae* (R. C. Harris) R. C. Harris = *Anisomeridium tuckeriae***DOLICHOUSNEA** (Y. Ohmura) Articus (Articus 2004)**diffRACTA** (Vainio) Articus Syn.: *Usnea diffRACTA***longissIMA** (Ach.) Articus Syn.: *Usnea longissIMA*

DUFOUREA Ach.

madreporiformis (Ach.) Ach. = Allocetraria madreporiformis

DYPLOLABIA A. Massal.

afzelii (Ach.) A. Massal. Syn.: Graphis afzelii (Staiger 2002)

ECHINODISCUS Etayo & Diederich = NEOECHINODISCUS

***lesdainii** (Vouaux) Etayo & Diederich (Kocourková et al. 2010) = Neoechinodiscus lesdainii (Sierra & Molinari-Novoa 2020)

ECHINOPLACA Fée

areolata Lücking & W. R. Buck (Lücking et al. 2007)

basalis W. B. Sanders & Lücking (Sanders & Lücking 2015)

furcata Sérus. subsp. neotropica Lücking (Lücking et al. 2007)

intercedens Vězda

leucotrichoides (Müll. Arg.) R. Sant. (Lücking et al. 2011b)

lucernifera Kalb & Vězda (Lücking et al. 2007)

pellicula (Müll. Arg.) R. Sant.

similis Kalb & Vězda (Lücking et al. 2007)

tetraplaca (Zahlbr.) Lücking (Lücking (Lücking et al. 2007)

ECHINOTHECIUM Zopf

***aerophilum** Alstrup & M. S. Cole (Alstrup & Cole 1998)

***reticulatum** Zopf = Sphaerellothecium reticulatum

EDRUDIA W. P. Jordan

constipans (Nyl.) W. P. Jordan Syn.: Caloplaca constipans, Lecanora constipans

EIGLERA Hafellner

flavida (Hepp) Hafellner Syns.: Lecanora flavida, Aspicilia flavida

ELIXIA Lumbsch

flexella (Ach.) Lumbsch (Spribille & Björk 2008)

ELLISEMBIA Subram.

***lichenicola** Heuchert & U. Braun (Heuchert & Braun 2006)

EMMANUELIA Ant. Simon, Lücking & Goffinet

erosa (Eschw.) Lücking, M. Cáceres & Ant. Simon Syns.: Lobaria erosa, Sticta erosa (Simon et al. 2020)

lobulifera (B. Moore) Ant. Simon & Goffinet Syn.: Lobaria lobulifera (Simon et al. 2020)

ornata (Malme) Lücking, Moncada & Bungartz (Simon et al. 2020)

ravenelii (Tuck.) Ant. Simon & Goffinet Syns.: Lobaria ravenelii, Sticta ravenelii (Simon et al. 2020)

ENCHYLIUM (Ach.) Gray (Otálora et al. 2014)

bachmanianum (Fink) Otálora, P. M. Jørg. & Wedin Syns.: Collema bachmanianum, Collemodes bachmanianum

bachmanianum var. **millegranum** (Degel.) M. Schultz & McCune (McCune et al. 2018)

coccophorum (Tuck.) Otálora, P. M. Jørg. & Wedin Syns.: Collema coccophorum, C. dubium, C. novomexicanum, Synechoblastus coccophorus

conglomeratum (Hoffm.) Otálora, P. M. Jørg. & Wedin Syns.: Collema conglomeratum, C. pycnocarpum, Synechoblastus ohioense, S. cyrtaspis, S. pycnocarpus

expansum (Degel.) P. M. Jørg. Syn.: Collema tenax var. expansum (Jørgensen & Goward 2015)

limosum (Ach.) Otálora, P. M. Jørg. & Wedin Syns.: Collema glaucescens, C. limosum

polycarpon (Hoffm.) Otálora, P. M. Jørg. & Wedin Syns.: *Collema melaenum* var. *polycarpon*, *Collema polycarpon*, *Synechoblastus polycarpus*, *S. wyomingensis*
substellatum (H. Magn.) P. M. Jørg. (Jørgensen & Goward 2015)
tenax (Sw.) Gray Syn.: *Collema tenax*

ENDOCARPISCUM Nyl. = HEPPIA

bolanderi (Nyl.) Tuck. (Tuckerman 1882) = *Peltula bolanderi*
guepinii (Delise) Nyl. (Tuckerman 1882) = *Peltula euploca*

ENDOCARPON Hedwig

adscendens (Anzi) Müll. Arg.

adsurgens Vainio

lepidallum Nyl.

loscosii Müll. Arg. (Breuss 2002a)

pallidulum (Nyl.) Nyl. (Breuss 2002a)

pallidum Ach.

petrolepideum (Nyl.) Nyl.

pseudosubnitescens Breuss (Knudsen 2005b)

pusillum Hedwig

schisticola B. de Lesd. (Breuss 2002a)

simplicatum (Nyl.) Nyl. (Breuss 2002a)

subnitescens Nyl.

arboreum Schwein. (Mohr 1901) = *Placidium arboreum*

diffractellum (Nyl.) Gueidan & Cl. Roux (Gueidan et al. 2007) = *Willeya diffractella* (Gueidan & Lendemer 2015)

drummondii (Tuck.) M. Choisy = *Staurothele drummondii*

miniatum (L.) Schaerer (Mohr 1901) = *Dermatocarpon miniatum*

moenium Vainio = *Acarospora moenium*

monicae Zahlbr. = *Staurothele monicae*

**ochroleucum* Tuck. = *Heterocarpon ochroleucum*

pulvinatum Th. Fr. = *Staurothele pulvinata* (Heiðmarsson et al. 2017) Syns.: *Endocarpon*

pulvinatum, *Pyrenothamnia brandegei*, *P. spraguei*, *Staurothele brandegei*

tenuissimum (Degel.) Lendemer & E. Tripp = *Willeya diffractella* (Gueidan & Lendemer 2015)

tortuosum Herre = *Staurothele pulvinatum* (Heiðmarsson et al. 2017)

tuckermanii Rav. ex Mont. = *Placidium arboreum* (Lendemer & Yahr 2004)

wilmsoides Zahlbr. = *Staurothele drummondii*

ENDOCOCCUS Nyl.

***apiciicola** (J. Steiner) R. Sant. (Diederich 2003)

***incrassatus** Etayo & Breuss (Knudsen & Kocourková 2008b)

***macrosporus** (Arnold) Nyl. (Hafellner et al. 2002)

***matzeri** D. Hawksw. & Iturr. (Knudsen & Kocourková 2009b)

***nanellus** Ohlert (Diederich 2003)

***oreinae** Hafellner (Hafellner et al. 2002)

***peltigericola** Zhurb. & Stapanchikova (Zhurbenko 2021)

***perpusillus** Nyl.

***propinquus** (Körber) D. Hawksw.

***rugulosus** Nyl. (Knudsen & Kocourková 2010b)

***stigma** (Körber) Stizenb. (Hafellner et al. 2002)

***thelommatis** Kocourk. & K. Knudsen (Kocourková & Knudsen 2011)

***verrucosus** Hafellner (Hafellner et al. 2002)

***zahlbrucknerellae** (Henssen) D. Hawksw. Syn.: *Ticothecium zahlbrucknerella*

**buelliae* (C. W. Dodge) Matzer (Matzer et al. 1996) = *E. matzeri* for North American reports

ENDOHYALINA Marbach

ericina Giralt, van den Boom & Elix var. **ericina** (Giralt et al. 2010)

***insularis** (Arnold) Giralt, van den Boom & Elix Syn.: *Rinodina insularis* (Nadyeina et al. 2010)
rappii (Imshaug ex R. C. Harris) Marbach Syn.: *Buellia rappii* (Marbach 2000)
circumpallida (H. Magn.) Marbach (Marbach 2000) = *Buellia circumpallida* (Giralt et al. 2010)

ENDOPYRENIUM Flotow

americanum B. de Lesd. = *Verrucaria americana*
bajadanae B. de Lesd. = *Placidium acarosporoides*
crustaceum B. de Lesd. = *Catapyrenium granulosum*
granulosum B. de Lesd. = *Catapyrenium granulosum*
novomexicanum B. de Lesd. = *Placidium acarosporoides*
plumbeum B. de Lesd. = *Verrucaria inficiens*
rupicola B. de Lesd. = *Verrucaria othmarii*
tuckermanii (Rav. ex Mont.) Müll. Arg. = *Placidium arboreum*

ENTEROGRAPHA Fée

***bagliettoae** F. Seavey & J. Seavey (Seavey et al. 2017)
bradleyana F. Seavey & J. Seavey (Seavey & Seavey 2014b)
caudata F. Seavey & J. Seavey (Seavey & Seavey 2014b)
hutchinsiae (Leighton) A. Massal. (Sparrius 2004b)
johnsoniae F. Seavey & J. Seavey (Seavey et al. 2017)
keylargoensis F. Seavey & J. Seavey (Seavey et al. 2017)
murrayana F. Seavey & J. Seavey (Seavey & Seavey 2014b)
nitidula F. Seavey & J. Seavey (Seavey & Seavey 2014b)
oregonensis Sparrius & Björk (Sparrius & Björk 2008)
***osagensis** C. A. Morse (Morse 2013)
pallidella (Nyl.) Redinger (Seavey & Seavey 2012)
quassiicola Fée
subserialis (Nyl.) Redinger (Seavey & Seavey 2014a)
zonata (Körber) Källsten Syn.: *Opegrapha zonata* (Ertz et al. 2009)
anguinella (Nyl.) Redinger (Sparrius 2004b) = *Opegrapha anguinella*
carnea (Eckfeldt) R. C. Harris = *Mazosia ocellata*
elegans (Eschw.) Tuck. = *Sclerophyton elegans*
lecanoroides R. C. Harris = *Opegrapha anguinella*

ENTEROSTIGMA Müll Arg.

montagnaei (Tuck) Fink (Fink 1935) = *Cryptothecia striata* (Thor 1991)

ENTOSTHELIA (Wallr.) Hue

saxicola B. de Lesd. = unknown *Dermatocarpon* sp.

EOPYRENULA R. C. Harris

intermedia Coppins Syn.: *Pyrenula leucoplaca* var. *pluriloculata*
parvispora R. C. Harris & Aptroot
leucoplaca (Wallr.) R. C. Harris = misidentification for North America (fide R. Harris)

EPAPHROCONIDIA Calat. & V. Atienza

***hawksworthii** Calat. & V. Atienza (Diederich 2003)

EPHEBE Fr.

americana Henssen
hispidula (Ach.) Horw. Syn.: *Ephebeia hispidula*
lanata (L.) Vainio
ocellata Henssen
perspinulosa Nyl.
solida Bornet
lesquereuxii Bornet (Tuckerman 1882) = *E. solida*

mamillosum (Lyngb.) E. Fr. (Fink 1935) Possibly *Stigonema mamillosum*, a cyanobacterium
pubescens (Ach.) Fr. = *Pseudephebe pubescens*

EPHEBEIA Nyl. = EPHEBE
hispidula (Ach.) Nyl. = *Ephebe hispidula*

EPICLADONIA D. Hawksw.
 ***sandstedei** (Zopf) D. Hawksw. (Scholz 1998)
 ***simplex** D. Hawksw. (Esslinger & Egan 1995)
 ***stenospora** (Harm) D. Hawksw. (Zhurbenko & Pino-Bodas 2017, Seaward et al. 2017)

EPICOCCUM Link
 ***nigrum** Link (Diederich et al. 2018)
 ***purpurascens** Schltdl. (Diederich 2003) = *E. nigrum*

EPIGLOEA Zokal
 #**diversispora** McCune (McCune 2020a)
intermedia Döbbeler (Lendemmer & Harris 2004)
medioincrassata (Grumann) Döbbeler (Fryday 2004a)
pleiospora Döbbeler (Buck & Harris 2002)
renitens (Grumann) Döbbeler (Spribille et al. 2010)
soleiformis Döbbeler (Buck & Harris 2002)
urosperma Döbbeler (Spribille et al. 2020)

EPILICHEN Clem.
 #**glauconigellus** (Nyl.) Hafellner (Zhurbenko 2009a)
 #**scabrosus** (Ach.) Clem. Syn.: *Buellia scabrosa*
 ***stellatus** Triebel

EPITHAMNOLIA Zhurb. (Zhurbenko 2012)
 ***karatyginii** Zhurb.

ERINACELLUS T. Sprib., Muggia & Tønsberg (Spribille et al. 2014b)
dendroides (Henssen) T. Sprib., Muggia & Tønsberg Syn.: *Spilonema dendroides*

ERIODERMA Fée
mollissimum (Samp.) Du Rietz
pedicellatum (Hue) P. M. Jørg.
sorediatum D. J. Galloway & P. M. Jørg.
 boreale Ahlner = *E. pedicellatum*

ERYTHRICIUM J. Erikss. & Hjortstam (Hawksworth & Helcini 2015)
 ***aurantiacum** (Lasch) D. Hawksw. & A. Henrici Syn.: *Marchandiobasidium aurantiacum*
 (Hawksworth & Helcini 2015)

ESCHATOGONIA Trevisan
prolifera (Mont.) R. Sant. (Seavey et al. 2014)

ESSLINGERIANA Hale & M. J. Lai
idahoensis (Essl.) Hale & M. J. Lai Syn.: *Cetraria idahoensis*

ETAYOA Diederich & Ertz (Ertz et al. 2014)
 ***trypethelii** (Flakus & Kukwa) Diederich & Ertz

EUGENIELLA Lücking, Sérus. & Kalb (Lücking et al. 2011b)
leucocheila (Tuck.) Lücking, Sérus. & Kalb (Lücking et al. 2011b)

EUOPSIS Nyl.

granatina (Sommerf.) Nyl. Syn.: *Pyrenopsis granatina*, *Lecanora granatina*, *Pannaria granatina*
pulvinata (Schaerer) Nyl. Syn.: *Pyrenopsis pulvinata*

EVERNIA Ach.

divaricata (L.) Ach.

mesomorpha Nyl.

perfragilis Llano

prunastri (L.) Ach.

ceratea (Ach.) Zopf (Fink 1935) = *Pseudevernia furfuracea* (L.) Zopf, but a misidentification for North America

esorediosa (Müll. Arg.) Du Rietz = misidentification for North America (Bird 1974)

furfuracea (L.) W. Mann = *Pseudevernia consocians* and *P. intensa* for North American records

furfuracea var. **cladonia** Tuck. (Tuckerman 1882) = *Pseudevernia cladonia*

thamnodes (Flotow) Arnold = *E. mesomorpha*

vulpina (L.) Ach. = *Letharia vulpina*

EVERNIASTRUM Hale ex Sipman = **HYPOTRACHYNA** (Divakar et al. 2013)

catawbiense (Degel.) Hale ex Sipman = *Hypotrachyna catawbiensis*

sorocheilum (Vainio) Hale ex Sipman = *Hypotrachyna sorocheila*, but reports apparently based on *H. catawbiense*

EVERNIICOLA D. Hawksw.

***flexispora** D. Hawksw.

FARNOLDIA Hertel

hypocrita (A. Massal.) Fröberg Syn.: *Lecidea hypocrita*, *L. lithospersa*, *L. yprocrita*

jurana (Schaerer) Hertel Syn.: *Lecidea jurana*, *L. albosuffusa*, *Tremolecia jurana*, *Melanolecia jurana*

micropsis (A. Massal.) Hertel Syn.: *Lecidea rhaetica*, *Melanolecia micropsis*, *Tremolecia nivalis*, *T. micropsis*

FAYODIA Kühner

***leucophylla** (Gillet) M. T. Lange = *Gamundia leucophylla* (Bigelow 1983)

***striatula** (Kühner) Singer = *Gamundia striatula* (Raitelhuber 1983)

FELIPES Frisch & G. Thor (Frisch et al. 2014)

leucopellaeus (Ach.) Frisch & G. Thor Syn.: *Arthonia leucopellaea*

FELLHANERA Vězda

aurantiaca (Vězda) Vězda Syn.: *Bacidia aurantiaca*

bouteillei (Desm.) Vězda Syn.: *Catillaria bouteillei*

crucitignorum C. A. Morse & Ladd (Morse & Ladd 2013)

eriniae R. C. Harris & Lendemer (Harris & Lendemer 2009)

fallax R. C. Harris & Lendemer (Harris & Lendemer 2009)

floridana (Tuck.) S. Ekman Syn.: *Bacidia floridana*, *Biatora floridana*, *Bilimbia floridana*

granulosa R. C. Harris & Lendemer (Harris & Lendemer 2009)

hybrida R. C. Harris & Lendemer (Harris & Lendemer 2009)

minnisinkorum R. C. Harris & Lendemer (Harris & Lendemer 2009)

montesfumosi R. C. Harris & Lendemer (Harris & Lendemer 2009)

rhapidophylli (Rehm)Vězda (Seavey & Seavey 2014a)

silicis R. C. Harris & Ladd (Harris & Lendemer 2009)

subtilis (Vězda) Diederich & Sérus. (Goward et al. 1996)

FELDHANEROPSIS Sérus. & Coppins

myrtillicola (Erichsen) Sérus. & Coppins (Lendemer & Knudsen 2011)
vezdae (Coppins & P. James) Sérus. & Coppins (Tønberg 1997)

FELTGENIOMYCES Dieder.

***mongolicus** Zhurb. (Zhurbenko 2020)

FIBRILLITHECIS A. Frisch (Frisch 2006)

confusa Lücking, Kalb & Rivas Plata (Rivas Plata et al. 2010)
halei (Tuck. & Mont.) Mangold Syn.: Myriotrema halei, Thelotrema halei (Lücking et al. 2016)
insignis (Zahlbr.) A. Frisch (Frisch 2006) = *F. confusa* (Rivas Plata et al. 2010)

FISSURINA Fée

aggregatula Common & Lücking (Lücking et al. 2011b)
albolabiata F. Seavey & J. Seavey (Seavey et al. 2017)
alligatorensis Lendemer & R. C. Harris (Lendemer & Harris 2014a)
americana Lendemer & R. C. Harris (Lendemer & Harris 2014a)
alphabetica Common & Lücking (Lücking et al. 2011b)
cingalina (Nyl.) Staiger (Lücking et al. 2011b)
columbina (Tuck.) Staiger Syn.: *Graphina columbina*, *G. virginalis*, *Graphis columbina*, *Phaeographina columbina* (Staiger 2002)
confusa Common & Lücking (Lücking et al. 2011b)
crassilabra Mont. & Bosch (Lücking et al. 2011b)
cypressi (Müll. Arg.) Lendemer Syn.: *Graphina cypressi* (Lendemer 2007a)
dumastioides (Fink) Staiger Syn.: *Graphina dumastioides*, *Graphis dumastioides* (Staiger 2002)
egena (Nyl.) Nyl. (Lücking et al. 2011b)
humilis (Vainio) Staiger (Staiger & Kalb 2004)
ilicicola Lendemer & R. C. Harris (Lendemer & Harris 2014a)
illiterata (R. C. Harris) Lendemer Syn.: *Graphis illiterata* (Lendemer & Knudsen 2008b)
incisura F. Seavey & J. Seavey (Seavey et al. 2017)
incrustans Fée Syn.: *Graphina incrustans*, *G. glaucoderma*, *Graphis incrustans*, *G. glaucoderma* (Staiger 2002)
insidiosa C. Knight & Mitten Syn.: *Graphis beaumontii*, *G. insidiosa* (Staiger 2002)
inspersa Common & Lücking (Lücking et al. 2011b)
insculpta Mont. Syn.: *Graphina babingtonii*, *Graphis babingtonii* (Staiger 2002, Tripp et al. 2010)
leuconephela Nyl. Syn.: *Graphina leuconephela*, *Graphis leuconephela* (Staiger 2002, Tripp et al. 2010)
mexicana (Zahlbr.) Lücking & Rivas Plata (Lücking et al. 2011b)
nitida (Eschw.) Mont. Syn.: *Graphis nitida*, *Medusulina nitida* (Miranda-González et al. 2020, Staiger 2002)
nitidescens (Nyl.) Nyl. Syn.: *Graphina nitidescens*, *Graphis nitidescens* (Staiger 2002)
pseudostromatica Lücking & Rivas Plata (Lücking et al. 2011b)
radiata Mont. (Lücking et al. 2011b)
rufula (Mont.) Staiger Syn.: *Graphis rufula* (Staiger 2002)
scolecitis (Tuck.) Lendemer Syn.: *Graphina scolecitis*, *Graphis scolecitis* (Lendemer 2007a)
North American records of *Graphina adscribens* belong here
subcomparimuralis Common & Lücking (Lumbsch et al. 2011; Lücking et al. 2011b)
subnitida (Nyl.) Zahlbr. (Staiger 2002, Tripp et al. 2010)
subnitidula (Nyl.) Staiger Syn.: *Graphina subnitidula*, *Graphis subnitidula* (Staiger 2002)
tachygrapha (Nyl.) Staiger (Lücking et al. 2011b)
tuckermaniana Common & Lücking (Lücking et al. 2011b)
varieeptata Common & Lücking (Lücking et al. 2011b)
subcontexta (Nyl.) Nyl. = *F. rufula* (Lücking et al. 2011b)

FISTULARIELLA Bowler & Rundel

almquistii (Vainio) Bowler & Rundel = *Ramalina almquistii*
dilacerata (Hoffm.) Bowler & Rundel = *Ramalina dilacerata*
geniculata (Hooker f. & Taylor) Bowler & Rundel = *Ramalina geniculata*
inflata (Hooker f. & Taylor) Bowler & Rundel = *Ramalina inflata*
minuscula (Nyl.) Bowler & Rundel = *Ramalina dilacerata*
roesleri (Hochst. ex Schaerer) Bowler & Rundel = *Ramalina roesleri*
scoparia (Vainio) Bowler & Rundel = *Ramalina scoparia*

FLAKEA O. E. Erikss. (Hansen 2003; Perlmutter 2006)

papillata O. E. Erikss. (Hansen 2003; Perlmutter 2006)

FLAVOCETRARIA Kärnefelt & A. Thell

cucullata (Bellardi) Kärnefelt & A. Thell Syns.: *Cetraria cucullata*, *Allocetraria cucullata*
minuscula (Elenkin & Savicz) Ahti, Poryadina & Zhurb. (Zhurbenko et al. 2005)
nivalis (L.) Kärnefelt & A. Thell Syns.: *Cetraria nivalis*, *Allocetraria nivalis*

FLAVOPARMELIA Hale

baltimorensis (Gyelnik & Fóris) Hale Syns.: *Parmelia baltimorensis*, *Pseudoparmelia baltimorensis*
caperata (L.) Hale Syns.: *Parmelia caperata*, *P. cylisphora*, *P. flavicans*, *P. herreana*, *P. negativa*, *Pseudoparmelia caperata*
rutidota (Hooker f. & Taylor) Hale Syns.: *Parmelia rutidota*, *Pseudoparmelia rutidota*, and *P. conspersa* var. *subconspersa* and *Xanthoparmelia subconspersa* for North American records.
subcapitata (Nyl. ex Hasse) Hale ex DePriest & B. Hale (Knudsen et al. 2005) Syn.: *Parmelia subcapitata*
[*Parmelia concreta* Stizenb.] This name was apparently never effectively published; identified as an uncertain species of *Flavoparmelia* by Hale & DePriest (1999), although an apparent 'type' specimen in FH was annotated by Mason Hale as an *Aspicilia* sp.

FLAVOPLACA Arup, Söchting & Frödén (Arup et al. 2013)

austrocitrina (Vondrák, Říha, Arup & Söchting) Arup, Söchting & Frödén Syns.: *Caloplaca austrocitrina*
citrina (Hoffm.) Arup, Frödén & Söchting Syns.: *Caloplaca citrina*, *Placodium citrinum*
flavocitrina (Nyl.) Arup, Frödén & Söchting Syns.: *Caloplaca flavocitrina*
granulosa (Müll. Arg.) Arup, Frödén & Söchting Syns.: *Caloplaca granulosa*
marina (Wedd.) Arup, Frödén & Söchting Syns.: *Caloplaca marina*
microthallina (Wedd.) Arup, Frödén & Söchting Syns.: *Caloplaca microthallina*

FLAVOPUNCTELIA (Krog) Hale

darrowi (J. W. Thomson) Hale Syns.: *Parmelia darrowi*, *Punctelia darrowi*
flaventior (Stirton) Hale Syns.: *Parmelia flaventior*, *P. andreana*, *P. kernstockii*, *Punctelia flaventior*
praesignis (Nyl.) Hale Syns.: *Parmelia praesignis*, *P. incorrupta*, *P. caperata* var. *incorrupta*, *Punctelia praesignis*
soredica (Nyl.) Hale Syns.: *Parmelia soredica*, *P. ulophyllodes*, *P. manshurica*, *Punctelia soredica*

FORAMINELLA S. F. Meyer = **PARMELIOPSIS**

FORSSELLIA Zahlbr. = **PTERYGIOPSIS**

minnesotensis (Fink) Fink = *Lichinella minnesotensis*
neglecta Erichsen = *Pterygiopsis neglecta*

FOURAGEA Trevisan (Frisch et al. 2014)

filicina (Mont.) Trevisan Syns.: *Opegrapha filicina* (Frisch et al. 2014)

FRUTIDELLA Kalb (Kalb 1994)

caesioatra (Schaerer) Kalb (Kalb 1994) Syn.: *Lecidea caesioatra*, L. *arctica*
furfuracea (Anzi) M. Westb. & M. Svensson (Svensson et al. 2017) Syns.: *Biatora pullata*,
Lecidea pullata
pullata (Norman) Schmull (Schmull et al. 2011) = *F. furfuracea* (Svensson et al. 2017)

FULGENSIA A. Massal. & De Not. = **GYALOLECHIA** (Arup et al. 2013)

bracteata (Hoffm.) Räsänen subsp. *bracteata* = *Gyalolechia bracteata* subsp. *bracteata*
bracteata subsp. *bracteata* var. *alpina* (Th. Fr.) Poelt = *Gyalolechia bracteata* subsp. *bracteata* var.
alpina
bracteata subsp. *deformis* Poelt (Esslinger & Egan 1995) = *Gyalolechia bracteata* subsp. *deformis*
desertorum (Tomin) Poelt = *Gyalolechia desertorum*
fulgens (Sw.) Elenkin = *Gyalolechia fulgens*
subbracteata (Nyl.) Poelt (Brodo et al. 2001, Kasalicky 2004) = *Gyalolechia subbracteata*

FULGIDEA Bendiksby & Timdal (Bendiksby & Timdal 2013)

oligospora (Timdal) Bendiksby & Timdal Syn.: *Hypocenomyce oligospora*
sierrae (Timdal) Bendiksby & Timdal Syn.: *Hypocenomyce sierrae*

FULVOPHYTON Ertz & Tehler

calcicola (Sparrus) Tehler & Ertz Syn.: *Dirina calcicola* (Tehler et al. 2013)

FUSARIUM Link

***peltigerae** Westend. (Spribille et al. 2010)

FUSCIDEA V. Wirth & Vězda

aleutica (Degel.) Fryday (Fryday 2008)
appalachensis Fryday (Fryday 2008)
arboricola Coppins & Tønsberg
gothoburgensis (H. Magn.) V. Wirth & Vězda (Fryday 2006)
intercincta (Nyl.) Poelt
lowensis (H. Magn.) R. A. Anderson & Hertel Syn.: *Lecidea lowensis*
mollis (Wahlenb.) V. Wirth & Vězda Syns.: *Biatora rivulosa* var. *mollis*, *Lecidea mollis*
muskeg Tønsberg & M. Zahradn. (Spribille et al. 2020)
praeruptorum (Du Rietz & H. Magn.) V. Wirth & Vězda Syn.: *Lecidea praeruptorum*
pusilla Tønsberg
recensa (Stirton) Hertel, V. Wirth & Vězda Syn.: *Lecidea recensa*
recensa var. **arcuatula** (Arnold) Fryday Syns. *Lecidea arcuatula*, L. *gyrodes* (Fryday 2008)
scrupulosa (Eckfeldt) Fryday (Fryday 2008) Syns.: *Biatora scrupulosa*, *Lecidea scrupulosa*, L.
kochiana var. *subreagens*
texana Fryday (Fryday 2008)
thomsonii Brodo & V. Wirth (Brodo & Wirth 1998)
cyathoides (Ach.) V. Wirth & Vězda = misidentification for North America (Fryday 2008)
kochiana (Hepp) V. Wirth & Vězda = misidentification for North America (Fryday 2008)
lightfootii (Sm.) Coppins & P. James (Aptroot 1996) = misidentification for North America
(Tønsberg 2002, Fryday 2008)
placidensis (H. Magn.) R. C. Harris = *Lecanora placidensis*
subfilamentosa (Zahlbr.) Brako = *Lecidea subfilamentosa* (Fryday 2008)
subreagens (H. Magn.) Oberholl. & V. Wirth = *Fuscidea scrupulosa* (Fryday 2008)

FUSCOPANNARIA P. M. Jørg.

ahlneri (P. M. Jørg.) P. M. Jørg. Syn.: *Pannaria ahlneri*
alaskana P. M. Jørg. & Tønsberg (Jørgensen 2000c)
aurita P. M. Jørg. (Jørgensen 2000c)
cheiroloba (Müll. Arg.) P. M. Jørg. (Jørgensen 2000c) Syn.: *Parmeliella cheiroloba*

confusa (P. M. Jørg.) P. M. Jørg. (Jørgensen 2000c)
convexa P. M. Jørg. (Jørgensen 2005)
coralloidea P. M. Jørg. (Jørgensen 2000c)
crustacea P. M. Jørg. (Jørgensen 2000c)
cyanolepra (Tuck.) P. M. Jørg. (Jørgensen 2000b) Syns.: *Pannaria lepidiota* var. *cyanolepra*, *P. cyanolepra*, *Parmeliella cyanolepra*
dillmaniae T. Sprib. (Spribille et al. 2020)
frullaniae (Maass) E. Tripp & Lendemer Syn.: *Moelleropsis nubulosa* subsp. *frullaniae* (Tripp & Lendemer 2020)
incisa (Pers.) P. M. Jørg. (Jørgensen 2000c) Syns.: *Coccocarpia incisa*, *Pannaria molybdaea* var. *incisa*
leprosa P. M. Jørg. & Tønsberg (Jørgensen 2000c)
leucosticta (Tuck.) P. M. Jørg. Syn.: *Pannaria leucosticta*
leucostictoides (Ohlsson) P. M. Jørg. Syn.: *Pannaria leucostictoides*
maritima (P. M. Jørg.) P. M. Jørg. Synonym: *Pannaria maritima*
mediterranea (Tav.) P. M. Jørg. Syn.: *Pannaria mediterranea*
pacifica P. M. Jørg. (Jørgensen 2000c)
praetermissa (Nyl.) P. M. Jørg. Syns.: *Pannaria lepidiota* var. *corallophora*, *P. praetermissa*, *Parmeliella praetermissa*, *P. lepidiota*
pulveracea (P. M. Jørg. & Henssen) P. M. Jørg. Syn.: *Pannaria pulveracea*
ramulina P. M. Jørg. & Tønsberg (Jørgensen 2000c)
sorediata P. M. Jørg. (Jørgensen 2000b)
thiersii P. M. Jørg. (Jørgensen 2000c)
viridescens P. M. Jørg. & Zhurb. (Jørgensen & Zhurbenko 2002)
californica (Tuck.) P. M. Jørg. (Jørgensen 2000c) = *Vahliella californica*
globigera Fryday & P. M. Jørg. (Fryday 2004a) = *Vahliella globigera*
hookerioides P. M. Jørg. (Jørgensen 2000c) = *Vahliella hookerioides*
labrata P. M. Jørg. (Jørgensen 2005) = *Vahliella labrata*
laceratula (Hue) P. M. Jørg. = *Steineropsis laceratula* (Spribille et al. 2020)
leucophaea (Vahl) P. M. Jørg. = *Vahliella leucophaea*
saubinetii (Mont.) P. M. Jørg. = *Vahliella saubinetii*

GABURA Adanson

fascicularis (L.) P. M. Jørg. (Jørgensen 2014) Syns.: *Collema fasciculare*, *Synechoblastus aggregatus*, *S. fascicularis*
insignis (P. M. Jørg. & Tønsberg) Magain & Serusiaux (Magain et al. 2020) Syn.: *Leptogium insigne*

GAMUNDIA Raitelh.

***leucophylla** (Gillet) H. E. Bigelow Syn.: *Fayodia leucophylla* (Bigelow 1983)
***striatula** (Kühner) Raitelh. Syn.: *Fayodia striatula* (Raitelhuber 1983)

GASPARRINIA Tornab. = CALOPLACA

GASSICURTIA Fée

catasema (Tuck.) Marbach Syn.: *Buellia catasema*, *B. caloosensis* (Marbach 2000)
coccinea Fée Syn.: *Buellia coccinea* (Marbach 2000)
subpulcella (Vainio) Marbach Syns.: *Buellia subpulcella*, *B. pachnidisca* (Marbach 2000)
elizae (Tuck.) Marbach (Marbach 2000) = *Buellia elizae* (Lendemer et al. 2013)
vernica (Tuck.) Marbach = *Buellia vernica* (Lendemer et al. 2013)

GEISLERIA Nitschke (Aptroot et al. 2014)

sychnogonioides Nitschke Syn.: *Strigula sychnogonioides*

GELATINOPSIS Rambold & Triebel

#geoglossi (Ellis & Everh.) Rambold & Triebel (Diederich et al. 2010)

**acarosporicola* Kocourk. & K. Knudsen (Kocourková & Knudsen 2009a) = *Llimoniella acarosporicola*

GELTINGIA Alstrup & D. Hawksw.

***associata** (Th. Fr.) Alstrup & D. Hawksw. Syn.: *Lecidea associata*

GLAUCOMARIA M. Choisy

rupicola (L.) M. Choisy = *Lecanora rupicola*

sordida (Pers.) Th. Fr. = *Lecanora rupicola*

GLAUCOTREMA Rivas Plata & Lumbsch (Rivas Plata et al. 2012)

glaucophaenum (Kremp.) Rivas Plata & Lumbsch Syn.: *Myriotrema glaucophaenum*,

Ocellularia glaucophaena Presence in N.A. is doubtful

GLOBOSPHERIA D. Hawksw.

***jamesii** D. Hawksw. (Diederich 2003)

GLOEOHEPPIA Gyelnik

polyspora Henssen (Schultz 2002c)

rugosa Henssen (Knudsen et al. 2017)

squamulosa (Zahlbr.) M. Schultz Syn.: *Psorotichia squamulosa* (Schultz 2007b)

GLYPHIS Ach.

atrofusca (Müll. Arg.) Lücking (Lücking et al. 2011b) Syn.: *Graphis ferrugineodisca* (Lücking & Kalb 2018)

cicatricosa Ach.

scyphulifera (Ach.) Staiger Syn.: *Gyrostomum scyphuliferum* (Staiger 2002, Lücking et al. 2011b)

substriatula (Nyl.) Staiger Syn.: *Graphina substriatula* (Staiger 2002, Tripp et al. 2010)

achariana Tuck. = *G. cicatricosa*

confluens Zenker = *G. cicatricosa*

favulosa Ach. = *G. cicatricosa*

GLYPHOLECIA Nyl.

scabra (Pers.) Müll. Arg. Syn.: *Acarospora rhagadiosa*, *A. scabra*, *A. saxicola*

GOMPHILLUS Nyl.

americanus Essl.

calycioides (Duby) Nyl. (Buck 1998)

GONGYLIA Körber

muscorum Zschacke (North American only) = *Protothelenella pluriseptata* (Fryday 2004b)

nadvornikii Servit = *Segestria mammillosa*, but a misidentification for North America (Fryday 2004b)

GONOHYMENIA J. Steiner = **LICHINELLA**

cribellifera (Nyl.) Henssen = *Lichinella cribellifera*

melamphylla (Tuck.) Henssen = *Lichinella melamphylla*

minnesotensis (Fink) Henssen = *Lichinella minnesotensis*

nigritella (Lettau) Henssen = *Lichinella nigritella*

GOWARDIA P. Halonen, L. Myllys, S. Velmala, & H. Hyvärinen (Halonen et al. 2009, Myllys et al. 2014)

arctica P. Halonen, L. Myllys, S. Velmala, & H. Hyvärinen Syn.: *Alectoria gowardii*

nigricans (Ach.) P. Halonen, L. Myllys, S. Velmala, & H. Hyvärinen Syn.: *Alectoria nigricans*

zebrina Goward & Myllys (Goward & Myllys 2020)

GRANULOPYRENIS Aptroot

hymnothora (Ach.) Aptroot Syn.: *Verrucaria hymnothora*, *Microthelia hymnothora*, *Sphaeria bignoniae*

GRAPHINA Müll. Arg. = GRAPHIS (Lücking et al. 2007; Tripp et al. 2010)

abaphoides (Nyl.) Müll. Arg. = *Acanthohectic leucopepla*
acharii (Fée) Müll. Arg. = *Allographa acharii*
acrophaea Müll. Arg. = *Graphis parilis*
adscibens (Nyl.) Müll. Arg. = *Fissurina scolecitis* for North American records
anguina (Mont.) Müll. Arg. = *Thalloloma anguinum*
antillarum (Vainio) Zahlbr. = *Graphis antillarum*
babingtonii (Mont.) Zahlbr. = *Fissurina insculpta*
colliculosa (Mont.) Hale = *Platythecium colliculosum*
columbina (Tuck.) M. Wirth & Hale = *Fissurina columbina*
cypressi Müll. Arg. = *Fissurina cypressi*
dimidiata (Vainio) Zahlbr. = misidentification for North America
dumastioides (Fink) ined. = *Fissurina dumastioides*
floridana (Tuck.) R. C. Harris = *Platythecium floridanum*
glaucoerma (Nyl.) Müll. Arg. = *Fissurina incrustans*
incrustans (Fée) Müll. Arg. = *Fissurina incrustans*
intertexta (Müll. Arg.) R. C. Harris = *Acanthohectic aurantiaca*
leprocarpa (Nyl.) Zahlbr. = *Chapsa leprocarpa*
marcescens (Fée) Müll. Arg. = *Carbacanthographis marcescens*
mendax (Nyl.) Müll. Arg. = misidentification for North America
nitidescens (Nyl.) Riddle = *Fissurina nitidescens*
leuconephela (Nyl.) Zahlbr. = *Fissurina leuconephela*
parilis (Kremp.) Müll. Arg. = *Graphis parilis*
peplophora M. Wirth & Hale = *Acanthohectic peplophora*
platycarpa (Eschw.) Zahlbr. = misidentification for North America
platyleuca (Nyl.) Zahlbr. (Harris 1995a) = *Diorygma pruinsum*
plittii Zahlbr. = *Carbacanthographis marcescens*
scolecitis (Tuck.) Fink = *Fissurina scolecitis*
sophisticascens (Nyl.) Zahlbr. = *Graphis sophisticascens*
subnitida (Nyl.) Zahlbr. = *Fissurina subnitida*
subnitidula (Nyl.) Zahlbr. = *Fissurina subnitidula*
substriatula (Nyl.) Zahlbr. = *Glyphis substriatula*
subvirginalis (Nyl.) Müll. Arg. = *Acanthohectic mosquitensis*
virginalis (Nyl.) Müll. Arg. = *Fissurina columbina*
virginea (Eschw.) Müll. Arg. = *Diorygma poitaei*
xylophaga R. C. Harris = *Graphis xylophage*

GRAPHIS Adanson

analoga Nyl. (Seavey & Seavey 2011)

anfractuosa Eschw.

antillarum Vainio Syn.: *Graphina antillarum*

aperiens Müll. Arg.

appendiculata Common & Lücking (Lücking et al. 2011b)

assimilis Nyl. (Lücking et al. 2011b)

botryosa Tuck.

brittoniae F. Seavey & J. Seavey (Seavey & Seavey 2011)

bungartzii Barcenás-Peña, Lücking, Herrera-Campos & R. Miranda (Seavey et al. 2017)

caesiella Vainio

caesiocarpa Redinger (Lücking et al. 2011b)

caribica Lücking (Lücking et al. 2011b)

chlorotica A. Massal. (Seavey & Seavey 2011)

chromothecia R. C. Harris
cincta (Pers.) Aptroot (Seavey & Seavey 2011)
conferta Zenker (Lücking et al. 2011b)
crebra Vainio (Seavey & Seavey 2011)
cupei Vainio ex Lücking (Lücking et al. 2011b)
dendrogramma Nyl. (Seavey & Seavey 2011)
desquamescens (Fée) Zahlbr.
disserpens Nyl. (Lücking et al. 2011b)
elegans (Borrer ex Sm.) Ach.
elevata F. Seavey & J. Seavey (Seavey & Seavey 2011)
endoxantha Nyl. (Lücking 2009)
eulectra Tuck. Syn.: *Phaeographis eulectra*
filiformis Adaw. & Makhija (Seavey & Seavey 2011)
furcata Fée (Seavey & Seavey 2011)
glaucescens Fée
haleana R. C. Harris
handelii Zahlbr. (Lücking et al. 2011b)
hinnulea F. Seavey & J. Seavey (Seavey & Seavey 2011)
hodgesiana Lendemer (Lendemer 2010b)
hyphosa Staiger (Lendemer 2010b)
intermedians Vainio (Lendemer 2010b)
intricata Fée
inversa R. C. Harris
koltermaniae F. Seavey & J. Seavey (Seavey et al. 2017)
leptocarpa Fée
leptoclada Müll. Arg
librata C. Knight
lineola Ach.
lucifica R. C. Harris
modesta Zahlbr. (Seavey & Seavey 2011)
neolongata Lücking (Seavey & Seavey 2011)
oshioi M. Nakan. (Lücking et al. 2011b)
oxyclada Müll. Arg. (Lücking et al. 2011b)
paralleloides M. Cáceres & Lücking (Seavey et al. 2014)
parilis Kremp. Syn.: *Graphina parilis* (Lücking et al. 2008)
pergracilis (Zahlbr.) Lücking & A. W. Archer (Lücking & McCune 2012)
perstriatula Nyl. (Seavey et al. 2017)
pinicola Zahlbr. (Lendemer 2010b)
platycarpella Müll. Arg.
proserpens Vainio (Tucker 1981)
pseudoserpens Chaves, Lücking & Umaña (Seavey et al. 2017)
pyrrhocheiloides Zahlbr. (Seavey et al. 2014)
renschiana (Müll. Arg.) Stizenb. (Seavey & Seavey 2011)
sauroidea Leighton (Lücking et al. 2011b)
schiffneri Zahlbr. (Seavey et al. 2014)
scripta (L.) Ach.
sophisticascens (Nyl.) Zahlbr. (Harris & Ladd 2005; Tripp et al. 2010)
stellata M. Cáceres & Lücking (Lücking et al. 2011b)
striatula (Ach.) Sprengel
supracola A. W. Archer (Seavey & Seavey 2011)
tenella Ach.
xylophaga (R. C. Harris) Lendemer Syn.: *Graphina xylophaga* (Lendemer & Knudsen 2008b)
 acharii Fée = *Allographa acharii*
 afzelii Ach. = *Dyplolabia afzelii*
 amicta Nyl. (1935) = *Carbacanthographis amicta* (Nyl.) Staiger & Kalb (Staiger 2002) Probable
 misidentification for North America (Esslinger & Tucker 2009)

anguilliformis Taylor (Fink 1935) Identity uncertain; probable misidentification for North America (Esslinger & Tucker 2009)
 argentata Lücking & Umaña (Lücking et al. 2011b) = *Allographa argentata*
 atrorubens Tuck. ex Fink = *Dimidiographa longissima*
 babingtonii Tuck. (Tuckerman 1888) = *Fissurina insculpta*
 balbisina Nyl. (Fink 1935) = *G. implicata* Fée Probable misidentification for North America (Esslinger & Tucker 2009)
 beaumontii Tuck. = *Fissurina insidiosa*
 candidata Nyl. = *Carbacanthographis candidata*
 celtidis Müll. Arg. = *G. librata*
 cinerea Fée (Fink 1935) Probable misidentification for North America (Esslinger & Tucker 2009)
 columbina Tuck. (Tuckerman 1888) = *Fissurina columbina*
 dendritica (Ach.) Ach. (Mohr 1901) = *Phaeographis dendritica*
 diversa Nyl. (Fink 1935) = *Leiorreuma exaltata* (Zahlbruckner 1924, Staiger 2002)
 dumastii (Fée) Sprengel (Fink 1935) = *Fissurina dumastii* Fée Probable misidentification for North America (Esslinger & Tucker 2009)
 dumastioides Fink = *Fissurina dumastioides*
 elongata Zenker (Seavey et al. 2017) = *Allographa elongata*
 ferrugineodisca F. Seavey & J. Seavey (Seavey et al. 2017) = *Glyphis atrofusca*
 floridana Tuck. = *Platythecium floridanum*
 glaucoderma Nyl. (Tuckerman 1888) = *Fissurina incrustans*
 grammatis Fée = *Platythecium grammitis*
 illiterata R. C. Harris = *Fissurina illiterata*
 incrustans = *Fissurina incrustans*
 insidiosa (C. Knight & Mitten) Hooker f. = *Fissurina insidiosa*
 intertexta Müll. Arg. = *Acanthothecis aurantiaca*
 inustula Stirton (Stirton 1875) = *Thalloloma anguinum*
 lactea (Fée) Sprengel (Fink 1935) Identity uncertain (Esslinger & Tucker 2009)
 leuconephela Nyl. (Tuckerman 1888) = *Fissurina leuconephela*
 leucopepla Tuck. = *Acanthothecis leucopepla*
 longula Kremp. (Lücking et al. 2011b) = *Allographa longula*
 lumbricina Vainio = *Allographa lumbricina*
 marcescens = *Carbacanthographis marcescens*
 mosquitensis Tuck. = *Acanthothecis mosquitensis*
 nitida (Eschw.) Tuck. = *Fissurina nitida*
 nitidescens Nyl. = *Fissurina nitidescens*
 pavoniana Fée = *Allographa pavoniana*
 poitaeoides Nyl. = *Acanthothecis poitaeoides*
 pseudocinerea Lücking (Lücking et al. 2011b) = *Allographa pseudocinerea*
 radiata (Mont.) Nyl. (Fink 1935) Identity uncertain (Esslinger & Tucker 2009)
 rigidula Müll. Arg. (Lendemer & Yahr 2004) = *G. leptoclada* (Lücking 2009)
 ramificans Nyl. (Fink 1935) Identity uncertain (Esslinger & Tucker 2009)
 rimulosa (Mont.) Trevisan = *Allographa rimulosa*
 rufula Mont. = *Fissurina rufula*
[saxorum Egea & Torrente \(Egea & Torrente 1997\) = *Redonographa saxorum* \(Lücking et al. 2013a\)](#)
 scalpturata Ach. (Mohr 1901) = *Phaeographis scalpturata*
 scolecitis Tuck. = *Fissurina scolecitis*
 scripta var. varia Ach. (Fink 1935) = *G. scripta*
 sterlingiana E. Tripp & Lendemer (Lendemer et al. 2013) = *Allographa sterlingiana*
 subamylacea Zahlbr. = *Allographa subamylacea*
 subdiversa Nyl. (Fink 1935) a nomen nudum; identity uncertain
 subelegans Nyl. = *G. endoxantha* (Lücking 2009)
 subflexibilis Lücking & Chaves (Lücking et al. 2011b) = *Allographa sublexilis*
 subnitidula Nyl. = *Fissurina subnitidula*
 subparilis Nyl. = *Fissurina rufula*

tamiamiensis Lendemer (Lendemer 2010b) = *Allographa tamiamiensis*
turbulenta Nyl. = *Anomomorpha turbulenta*
xanthospora Müll. Arg. (Lücking et al. 2011b) = *Allographa xanthospora*

GRAPHIUM Corda

***aphthosae** Alstrup & D. Hawksw. (Esslinger & Egan 1995)

GREGORELLA Lumbsch (McCune & Stone 2020)

humida (Kullh.) Lumbsch (McCune & Stone 2020)

GYALECTA Ach.

erythrozona Lettau

carneola (Ach.) Hellbom Syn. *Pachyphiale carneola* (Baloch et al. 2013a)

carneolutea (Turner) H. Olivier Syn.: *Cryptolechia carneolutea* (Lücking et al. 2019),

Gyalectina carneolutea

fagicola (Hepp ex Arnold) Kremp. Syn.: *Pachyphiale fagicola* (Baloch et al. 2013a)

flotowii Körber

foveolaris (Ach.) Schaerer

friesii Flotow ex Körber

geoica (Wahlenb. ex Ach.) Ach. Syn.: *Secoliga geoica*

gyalizella (Nyl.) Baloch & Lücking Syn.: *Pachyphiale gyalizella* (Baloch et al. 2013a)

herrei Vězda

***hypoleuca** (Ach.) Zahlbr. (McMullin et al. 2017)

jenensis (Batsch) Zahlbr.

kukriensis (Räsänen) Räsänen

nana Tuck. Syn.: *Cryptolechia nana* (Lücking et al. 2019)

obesipora R. C. Harris & Lendemer (Lendemer et al. 2013a)

peziza (Mont.) Anzi

russula (Körber ex Nyl.) Baloch, Lumbsch & Wedin Syn.: *Belonia fennica*, *B. russula* (Baloch et al. 2013a)

truncigena (Ach.) Hepp

cupularis (Hedwig) Schaerer = *G. jenensis*

farlowii Tuck. ex Nyl. = *Petractis farlowii*

geoica (Wahlenb. Ex Ach.) Ach. var. *trivialis* Willey ex Tuck. (Tuckerman 1882) = *Absconditella*

trivialis

lamprospora Nyl. = *Bactrospora metabola* (Joseph et al. 2021)

lutea (Dickson) Tuck. = *Coenogonium luteum*

odora Ach. (Fink 1935) = *Ionaspis odora*

pineti (Ach.) Tuck. (Tuckerman 1882) = *Coenogonium pineti*

radiatilis Tuck. = *Skyttea radiatilis*

rhexoblephara (Nyl.) Tuck. (Tuckerman 1882) = *Rhexophiale rhexoblephara*

valenzueliana (Mont.) Tuck. (Tuckerman 1882) = *Ramonia valenzueliana*

GYALECTARIA Schmitt, Kalb & Lumbsch (Schmitt et al. 2010)

diluta (Björk, G. Thor & T. B. Wheeler) Schmitt, T. Sprib. & Lumbsch (Schmitt et al. 2010)

GYALECTIDIUM Müll. Arg.

appendiculatum Lücking, Lendemer & E. Tripp (Lücking et al. 2007, Lendemer & Tripp 2008)

catenulatum (Cavalc. & A. A. Silva) L. I. Ferraro, Lücking & Sérus. (Lücking et al. 2007)

filicinum Müll. Arg.

floridense Safranek & Lücking (Safranek & Lücking 2005)

imperfectum Vězda (Ferraro, Lücking & Sérusiaux 2001)

paolae Herrera-Campos & Lücking (Sanders & de los Ríos 2015)

tuckerae Lücking & Lendemer (Lücking et al. 2007)

ulloae Herrera-Campos & Lücking (Lücking et al. 2011b)

viride Lücking, W. R. Buck & Rivas Plata (Lücking et al. 2007)

yahriae W. R. Buck & Sérus. (Buck & Sérusiaux 2000)
rotuliforme Müll. Arg. = *Asterothyrium rotuliforme*

GYALECTINA Vězda = **GYLECTA**
carneolutea (Turner) Vězda = *Gyalecta carneolutea*

GYALIDEA Lettau ex Vězda

asteriscus (Anzi) Aptroot & Lücking (Aptroot & Lücking 2003) Syn.: *Solorinella asteriscus*
fritzei (Stein) Vězda (Hutten et al. 2013)
hyalinescens (Nyl.) Vězda
lecideopsis (A. Massal.) Lettau ex Vězda
lecideopsis var. **eucarpa** (Servít) Vězda
lecideopsis var. **kurdistanica** (J. Steiner) Vězda
roseola (Arnold) Lettau (Brodo 1995)
subcutellaris (Vězda) Vězda (Spribille et al. 2020)
dodgei Vězda = *G. hyalinescens*
lecideopsis var. **convarians** (Nyl.) Vězda = *G. lecideopsis* var. **eucarpa**

GYALIDEOPSIS Vězda

africana Kalb & Vězda (Lücking et al. 2007)
americana Lücking & W. R. Buck (Lücking et al. 2007)
bartramiorum Lendemer (Lendemer 2017b)
berenice (Ellis & Everh.) Lücking & W. R. Buck
buckii Lücking, Sérus. & Vězda (Lücking et al. 2007) Syn.: *Tricharia vezdae*
epicorticis (A. Funk) Tønsberg & Vězda (Lücking et al. 2007) Syn.: *Microlychnus epicorticis*
floridae Etayo & Diederich (Etayo & Diederich 2001)
helvetica van den Boom & Vězda (Spribille & Björk 2008)
lambinonii Vězda (Lücking et al. 2007)
macarthurii Lücking, Umaña & Aptroot (Lücking et al. 2007)
mexicana Tretiach, Giralto & Vězda (Lendemer 2011a, Lendemer & Tripp 2014)
moodyae Lendemer & Lücking (Lendemer & Lücking 2004)
musciola P. James & Vězda (Spribille et al. 2020)
ozarkensis Lücking, W. R. Buck & R. C. Harris (Lücking et al. 2007)
piceicola (Nyl.) Vězda & Poelt
pusilla Lücking & Tønsberg (Lücking & Tønsberg 2016)
sessile W. B. Sanders & Lücking (Sanders & Lücking 2015)
subaequatoriana Lücking & W. R. Buck (Lücking et al. 2007)
submonospora Lücking & W. R. Buck (Lücking et al. 2007)
vainioi Kalb & Vězda var. **semicirculata** Lücking & W. R. Buck (Lücking et al. 2007)
vainioi Kalb & Vězda var. **vainioi**
wesselsii Lücking, Sipman & Chaves (Lücking et al. 2007)
alnicola W. Noble & Vězda = *G. piceicola*
anastomosans P. James & Vězda = *Jamesiella anastomosans*
athalloides (Nyl.) Vězda = *Diploschistella athalloides*
musciola P. James & Vězda (Tønsberg 1997) = misidentification of *G. moodyae* (Lücking et al. 2007)

GYALOLECHIA A. Massal. (Arup et al. 2013)

allochroa (Y. Joshi, Vondrák & Hur) Søchting, Frödén & Arup (Spribille et al. 2020)
bracteata (Hoffm.) A. Massal. subsp. **bracteata** Syn.: *Caloplaca bracteata*, *Fulgensia bracteata*
bracteata subsp. **bracteata** var. **alpina** (Th. Fr.) ined. Syn.: *Fulgensia bracteata* subsp. **bracteata**
var. **alpina**
bracteata subsp. **deformis** (Poelt) Hafellner & Türk Syn.: *Fulgensia bracteata* subsp. **deformis**
desertorum (Tomin) Søchting, Frödén & Arup Syn.: *Fulgensia desertorum*
epiphyta (Lynge) Vondrák Syn.: *Caloplaca arizonica*, *C. epiphyta* (Vondrák et al. 2016)
flavorubescens (Hudson) Søchting, Frödén & Arup Syn.: *Caloplaca aurantiaca*, *C.*

flavorubescens

flavovirescens (Wulfen) Søchting, Frödén & Arup Syns.: *Caloplaca erythrella*, *C. flavovirescens*
fulgens (Sw.) Søchting, Frödén & Arup Syns.: *Caloplaca fulgens*, *Fulgensia fulgens*, *Placodium fulgens*

persimilis (Wetmore) Søchting, Frödén & Arup Syn.: *Caloplaca persimilis*

stantonii (W. A. Weber ex Arup) Søchting, Frödén & Arup Syn.: *Caloplaca stantonii*

stipitata (Wetmore) Søchting, Frödén & Arup Syn.: *Caloplaca stipitata*

subbracteata (Nyl.) Søchting, Frödén & Arup Syn.: *Fulgensia subbracteata*

xanthostigmoidea (Räsänen) Søchting, Frödén & Arup Syns.: *C. discolor*, *C. xanthostigmoidea*,
Placodium ferrugineum var. *discolor*

arizonica (H. Magn.) Søchting, Frödén & Arup = *G. epiphyta* (Vondrák et al. 2016)

GYMNODERMA Nyl.

lineare (A. Evans) Yoshim. & Sharp = *Cetradonia linearis*

GYPSOPLACA Timdal

macrophylla (Zahlbr.) Timdal

rosulata H. X. Shi, Li S. Wang and Timdal (Shi et al. 2018)

GYROGRAPHA Ertz & Tehler (Ertz et al. 2015b)

gyrocarpa (Flotow) Ertz & Tehler Syn.: *Opegrapha gyrocarpa* (Ertz et al. 2015b)

GYROPHORA Ach. = UMBILICARIA

angulata (Tuck.) Herre = *Umbilicaria angulata*

anthracina (Wulfen) Körber = *Umbilicaria rigida*

arctica Ach. = *Umbilicaria arctica*

cylindrica (L.) Ach. = *Umbilicaria cylindrica*

decussata (Vill.) Zahlbr. = *Umbilicaria decussata*

deusta (L.) Ach. = *Umbilicaria deusta*

dillenii (Tuck.) Müll. Arg. = *Umbilicaria mammulata*

erosa (G. Weber) Ach. = *Umbilicaria torrefacta*

flocculosa (Wulfen) Turner & Borrer = *Umbilicaria deusta*

grisea Swartz (Fink 1935) = *Umbilicaria grisea* Hoffm. = misidentification for North America
(Esslinger & Tucker 2009)

hyperborea Ach. = *Umbilicaria hyperborea* var. *hyperborea*

muhlenbergii Ach. = *Umbilicaria muhlenbergii*

phaea (Tuck.) Nyl. = *Umbilicaria phaea*

polyphylla (L.) Funck = *Umbilicaria polyphylla*

polyrrhiza (L.) Körber = *Umbilicaria polyrrhiza*

proboscidea (L.) Ach. (Fink 1935) = *Umbilicaria proboscidea*

rugifera (Nyl.) Th. Fr. (Fink 1935) = *Umbilicaria virginis* (Llano 1950)

torrefacta (Lightf.) Cromb. (Fink 1935) = *Umbilicaria torrefacta*

vellea (L.) Ach. = *Umbilicaria vellea*

GYROPTHORUS Hafellner & Sancho (McCune 2020b)

***perforans** Hafellner & Sancho (McCune 2020b)

GYROSTOMUM Fr.

curtisii Tuck. (Fink 1935) = *Baculifera curtisii*

scyphuliferum (Ach.) Nyl. = *Glyphis scyphuliferum*

HAEMATOMMA A. Massal.

accolens (Stirton) Hillm. (Staiger & Kalb 1995)

americanum Kalb & Staiger (Staiger & Kalb 1995)

fenzlianum A. Massal. (Staiger & Kalb 1995)

flexuosum Hillm. (Staiger & Kalb 1995)

guyanense Kalb & Staiger (Brodo et al. 2008)
leprarioides (Vainio) Vainio (Brodo et al. 2008)
ochroleucum (Necker) J. R. Laundon var. **ochroleucum**
ochroleucum (Necker) J. R. Laundon var. **porphyrium** (Pers.) J. R. Laundon Syn.: H.
porphyrium
persoonii (Fée) A. Massal. (Staiger & Kalb 1995)
rufidulum (Fée) A. Massal. (Staiger & Kalb 1995)
caesium Coppins & P. James = *Mycoblastus caesius*
californicum Sigal & D. Toren = *Ophioparma rubricosa* (Ekman 1996)
cisonicum Beltr. = *Loxospora cisonica*
coccineum (Dickson) Körber = misidentification for North America
elatinum (Ach.) A. Massal. = *Loxospora elatina*
lapponicum Räsänen = *Ophioparma lapponica*
ochrophaeum (Tuck.) A. Massal. = *Loxospora ochrophaea*
pacificum Hasse = *Ophioparma rubricosa* (Staiger & Kalb 1995, Ekman 1996)
porphyrium (Pers.) Zopf = *H. ochroleucum* var. *porphyrium*
puniceum (Sw.) A. Massal. North American records are *H. persoonii*
pustulatum Brodo & W. L. Culb. = *Lepra pustulata*
rappii Zahlbr. = *Schismatomma rappii*
subpuniceum (Fée) B. de Lesd. = *H. fenizianum*
ventosum (L.) A. Massal. = *Ophioparma ventosa*

HAFELLIA Kalb, H. Mayrhofer & Scheid. = *Buellia* (Nordin & Tibell 2005)
arnoldii (Servit) Hafellner & Türk = *Buellia arnoldii*
bahiana (Malme) Sheard = *Buellia bahiana*
bahiana var. *pleiotera* (Malme) Sheard = *Buellia pleiotera* (Perlmutter & Rivas Plata 2018)
bahiana var. *pleiotropa* (Malme) Sheard = *Buellia pleiotera* (Perlmutter & Rivas Plata 2018)
callispora (C. Knight) H. Mayrhofer & Sheard = *Buellia callispora*
curatellae (Malme) Marbach (Marbach 2000) = *Buellia curatellae*
disciformis (Fr.) Marbach & H. Mayrhofer = *Buellia disciformis*
fosteri Imshaug & Sheard = a species of *Buellia*
parastata (Nyl.) Kalb = *Buellia parastata*
pleiotera (Malme) Marbach (Hansen et al. 2008) = *Buellia pleiotera*

HAFELLNERA Houmeau & Cl. Roux
parasemella (Nyl.) Houmeau & Cl. Roux = *Schaereria parasemella*

HALECANIA M. Mayrhofer
#**alpivaga** (Th. Fr.) M. Mayrhofer Syn.: *Lecania alpivaga*, *L. disceptans*, *L. thallophila*, *Lecanora disceptans*
athallina Fryday (Spribille et al. 2020)
australis Lumbsch (van den Boom & Ryan 2004a)
pepegospora (H. Magn.) van den Boom (van den Boom & Elix 2005) Syn.: *Lecania pepegospora*
viridescens Coppins & P. James

HALEGRAPHIA Rivas Plata & Lücking (Lücking et al. 2011a, 2011b)
floridana Common & Lücking

HALOSPORA (Zschacke) Tomas. & Cif.
***discrepans** (J. Lahm ex Arnold) Hafellner (Dillman et al. 2012)

HARPIDIUM Körber
nashii Scheid. (Schultz et al. 2000)
glaucophanum (Hasse) Hasse = *Rhizoplaca glaucophana*

HASSEA Zahlbr.

**bacillosa* (Nyl.) Zahlbr. = *Sarcopyrenia bacillosa*

HAZSLINSZKYA Körber (Ertz & Diederich 2015)

gibberulosa (Ach.) Körber Misidentifications for North America (Perlmutter et al. 2015)

HAWKSWORTHIANA U. Braun

**peltigericola* (D. Hawks.) U. Braun

HEIOMASIA Nelsen, Lücking & Rivas Plata (Nelsen & Lücking 2010 [2011])

seaveyorum Nelsen & Lücking

HELMINTHOCARPON Fée

leprevostii Fée

HELOCARPON Th. Fr.

crassipes Th. Fr. Syn.: *Lecidea crassipes*, *Micarea crassipes*

lesdainii (Zahlbr.) Breuss (Breuss 2001)

corticola Breuss (Etayo 1998) = *H. lesdainii*

HEMIGRAPHA (Müll. Arg.) R. Sant. ex D. Hawksw.

**graphidicola* Diederich & Common (Diederich et al. 2019)

HENRICA B. de Lesd.

americana Breuss (Breuss 2002c)

melaspora (Taylor) Savić & Tibell Syn.: *Polyblastia melaspora* (Savić & Tibell 2008)

theleodes (Sommerf.) Savić, Tibell & Nav.-Ros. Syn.: *Polyblastia theleodes* (Savić & Tibell 2008)

HEPPIA Nägeli

adglutinata (Kremp.) A. Massal.

conchiloba Zahlbr.

despreauxii (Mont.) Tuck. (Büdel et al. 2002) Syn.: *Anema dodgei*, *Solorinaria despreauxii* (Schultz 2007b)

lutosa (Ach.) Nyl.

alumenensis Herre Excluded from North American flora; type not found.

bolanderi (Tuck.) Vainio = *Peltula bolanderi*

deserticola Zahlbr. = *Peltula obscurans* var. *deserticola*

euploca (Ach.) Vainio = *Peltula euploca*

guepinii (Delise) Nyl. = *Peltula euploca*

hassei Zahlbr. = [Peltula hassei](#)

leptopholis Nyl. ex Hasse = *Peltula patellata*

macrospora B. de Lesd. = *H. conchiloba*

placodizans Zahlbr. = *Peltula placodizans*.

planescens Nyl. Excluded from North American flora; type not found.

polyphylla B. de Lesd. = *Peltula euploca*

polyspora Tuck. = *Peltula patellata*

psammophila Nyl. = misidentification for North America

richardsii Herre = *Peltula richardsii*

terrena Nyl. ex Hasse = *Peltula patellata*

tortuosa (Nees) Vainio = *Peltula tortuosa*

virescens (Despr.) Nyl. = *H. lutosa*

zahlbruckneri Hasse = *Peltula zahlbruckneri*

HERPOTHALLON Tobler (Aptroot et al. 2009)

echinatum Aptroot, Lücking & Will-Wolf (Lücking et al. 2011b)

hyposticticum F. Seavey & J. Seavey (Seavey & Seavey 2014a)
rubrocinctum (Ehrenb.: Fr.) Aptroot, Lücking & G. Thor Syns. *Cryptothecia rubrocincta*, *C. sanguineum*
rubroechinatum Frisch & G. Thor (Frisch et al. 2010)
antillarum (Vainio) Aptroot, Lücking & G. Thor (Lücking et al. 2011b) = *Diorygma antillarum*

HERTELIANA P. James

alaskensis (Nyl.) S. Ekman Syns.: *Bacidia alaskensis*, *Lecidea alaskensis* (Ekman 1996)
schuyleriana Lendemer (Lendemer 2016c)

HERTELIDEA Printzen & Kantvilas (Printzen & Kantvilas 2004)

botryosa (Fr.) Printzen & Kantvilas Syns.: *Biatora botryosa*, *Lecidea botryosa* (Printzen & Kantvilas 2004)
pseudobotryosa R. C. Harris, Ladd & Printzen (Printzen & Kantvilas 2004)

HETEROCARPON Müll. Arg.

***ochroleucum** (Tuck.) Müll. Arg. Syn.: *Endocarpon ochroleucum*

HETEROCEPHALACRIA Berthier

***bachmannii** (Diederich & M. S. Christ.) Millanes & Wedin (McMullin et al. 2017, Zhurbenko & Pino-Bodas 2017) Syn.: *Syzygospora bachmannii*
***physciacearum** (Diederich) Millanes & Wedin (Diederich et al. 2018) Syn.: *Syzygospora physciacearum*

HETEROCYPHELIUM Vainio

leucampyx (Tuck.) Vainio

HETERODERMIA Trevisan

albicans (Pers.) Swinscow & Krog Syns.: *Anaptychia domingensis*, *A. ravenelii*, *Physcia ravenelii*
appalachensis (Kurok.) W. L. Culb. Syn.: *Anaptychia appalachensis*
boryi (Fée) K. P. Singh & S. R. Singh Syns.: *Anaptychia boryi*, *A. neoleucomelaena*
casarettiana (A. Massal.) Trevisan Syn.: *Anaptychia casarettiana*
chondroidea W. A. Weber & D. D. Awasthi Syn.: *Anaptychia chondroidea*
comosa (Eschw.) Follm. & Redón (Harris 1995b) Syn.: *Physcia comosa*
crocea R. C. Harris North American reports of *H. corallophora* belong here
dendritica (Pers.) Poelt Syn.: *Anaptychia dendritica*
diademata (Taylor) D. D. Awasthi Syn.: *Anaptychia diademata*
echinata (Taylor) W. L. Culb. Syn.: *Anaptychia echinata*
erecta Lendemer (Lendemer 2009a)
erinacea (Ach.) W. A. Weber Syns.: *Anaptychia erinacea*, *Physcia erinacea*
galactophylla (Tuck.) W. L. Culb. Syns.: *Anaptychia comosa* (for North American records), *A. galactophylla*
granulifera (Ach.) W. L. Culb. Syns.: *Anaptychia granulifera*, *Physcia granulifera*
hypoleuca (Muhl.) Trevisan Syn.: *Anaptychia hypoleuca*
japonica (M. Satô) Swinscow & Krog
langdoniana Lendemer & E. Tripp (Tripp & Lendemer 2019)
leucomela (L.) Poelt Syns.: *Anaptychia "leucomelaena"*, *Physcia leucomela*
microphylla (Kurok.) Skorepa Questionable for N. America (Lendemer 2009a)
namaquana Brusse (Esslinger & Bratt 1998)
neglecta Lendemer, R. C. Harris & E. Tripp (Lendemer et al. 2007)
obscurata (Nyl.) Trevisan Syns.: *Anaptychia heterochroa*, *A. hypoleuca* var. *colorata*, *A. obscurata*, *A. sorediifera*
palpebrata (Taylor) Vainio (Moberg 2011)
podocarpa (Bél.) Awasthi (Moberg & Nash 1999)
pseudospeciosa (Kurok.) W. L. Culb. Syn.: *Anaptychia pseudospeciosa*
rugulosa (Kurok.) Wetmore

sitchensis Goward & W. Noble
speciosa (Wulfen) Trevisan Syn.: *Anaptychia pseudospeciosa* var. *tremulans*, *A. speciosa*
squamulosa (Degel.) W. L. Culb. Syn.: *Anaptychia squamulosa*
tropica (Kurok.) Sipman Syn.: *Anaptychia tropica* (Marcano et al. 1996)
barbifera (Nyl.) K. P. Singh = misidentification for N.A. (Lendemmer 2009a)
corallophora (Taylor) Skorepa = *H. crocea* for North American reports
domingensis (Ach.) Trevisan = *H. albicans*
leucomelaena (L.) Poelt = *H. leucomela*
neoleucomelaena (Kurok.) Follmann & Redón = *H. boryi*
propagulifera (Vainio) J. P. Dey = misidentification for North America, mostly *H. neglecta* (Lendemmer et al. 2007)
tremulans (Müll. Arg.) W. L. Culb. = *H. speciosa*

HETEROPLACIDIUM Breuss (Breuss 1996)

#**compactum** (A. Massal.) Gueidan & Cl. Roux (Prieto et al. 2012) Syn.: *Catapyrenium compactum*, *Dermatocarpon compactum*, *Verrucaria compacta*
congestum (Breuss & McCune) Breuss Syn.: *Catapyrenium congestum*
#**transmutans** K. Knudsen, Breuss & Kocourk. (Knudsen et al. 2014a)
#**zamenhofianum** (Clauzade & Cl. Roux) Cl. Roux (Kocourková et al. 2012) Syn.: *Verrucaria zamenhofiana*
acarosporoides (Zahlbr.) Breuss = *Placidium acarosporoides*
podolepis (Breuss) Breuss = *Placidium podolepis*

HETEROTHECIUM Flotow

augustinii (Tuck.) Tuck. (Tuckerman 1888) = *Lopadium augustinii*
conspersum (Fée) Flotow = *Piccolia conspersa*
domingense (Pers.) Flotow = *Letrouitia domingense*
grossum (Pers. ex Nyl.) Tuck. (Tuckerman 1888) = *Megalaria grossa*
leptocheilum Tuck. (Tuckerman 1888) = *Megalaria leptocheila*
leucoxanthum (Sprengel) A. Massal. = *Brigantiaea leucoxantha*
nannarium Tuck. = *Piccolia nannaria*
pachycheilum Tuck. = *Megalospora pachycheila*
pezizoideum (Ach.) Stizenb. (Tuckerman 1888) = *Lopadium pezizoideum*
porphyrites (Tuck.) Tuck. (Tuckerman 1888) = *Megalospora porphyritis*
sanguinarium (L.) Flotow (Tuckerman 1888) = *Mycoblastus sanguinarius*
tuberculosum (Fée) Flotow = *Megalospora tuberculosa*
versicolor Flotow (Tuckerman 1888) = *Megalaria versicolor*
vulpinum (Tuck.) Tuck. (Tuckerman 1888) = *Letrouitia vulpina*

HOBSONIA Masee

**christiansenii* B. L. Brady & D. Hawksw. = *Illosporopsis christiansenii*

HOBSONIOPSIS D. Hawksw. (Sikaroodi et al. 2001)

***santessonii** (Lowen & D. Hawksw.) D. Hawksw. (Diederich 2003)

HOMOSTEGIA Fuckel

***dermatocarpi** Alstrup & M. S. Cole (Alstrup & Cole 1998)
***hertelii** D. Hawksw., V. Atienza & M. Cole (Hawksworth et al. 2004)
***piggotii** (Berk. & Broome) P. Karsten (Esslinger & Egan 1995)
**parmeliana* (Jacq.) Vouaux (Cole & Hawksworth 2001) Erroneous report based on *H. hertelii* (Hawksworth et al. 2004)

HUBBSIA W. A. Weber (Tehler et al. 1997)

californica (Räsänen) W. A. Weber Syn.: *Reinkella californica*
lumbricoides W. A. Weber = *Schizopelte lumbricoides* (Ertz & Tehler 2011), but not known north

of Mexico

parishii (Hasse) Tehler, Loht., Myllys & Sundin = Schizopelte parishii (Ertz & Tehler 2011)

HUILIA Zahlbr. = PORPIDIA

albocaulerescens (Wulfen) Hertel = Porpidia albocaulerescens

cinereoatra (Ach.) Hertel = Porpidia cinereoatra

crustulata (Ach.) Hertel = Porpidia crustulata

elegantior (H. Magn.) Hertel = Amygdalaria elegantior

flavocaulerescens (Hornem.) Hertel = Porpidia flavicunda

glaucophaea (Körber) Hertel = Porpidia rugosa

macrocarpa (DC.) Hertel = Porpidia macrocarpa

melinodes (Körber) Hertel = Porpidia melinodes

nigrocruenta (Anzi) Hertel = Porpidia macrocarpa

panaeola (Ach.) Hertel = Amygdalaria panaeola

platycarpoides (Bagl.) Hertel = Porpidia platycarpoides

soredizodes (Lamy ex Nyl.) Hertel = Porpidia soredizodes

superba (Körber) Hertel = Porpidia superba

tuberculosa (Sm.) P. James = Porpidia tuberculosa

HYALopeziza Fuckel

***rapax** Huhtinen (Huhtinen et al. 2008)

HYDROPUNCTARIA Keller, Gueidan & Thüs (Gueidan et al. 2009)

alaskana Thüs & Pérez-Ort. (Spribille et al. 2020)

amphibia (Clemente) Orange (Orange 2012) Syn.: Verrucaria amphibia

maura (Wahlenb.) C. Keller, Gueidan & Thüs Syn.: Verrucaria maura

rheitrophila (Zschacke) C. Keller, Gueidan & Thüs Syn.: Verrucaria kernstockii, V.

rheitrophila

scabra (Vězda) C. Keller, Gueidan & Thüs (McCune et al. 2014b)

HYDROTHYRIA J. L. Russell = PELTIGERA

venosa J. L. Russell = Peltigera hydrothyria

HYMENELIA Kremp.

arctica (Lyngé) Lutzoni Syn.: Ionaspis arctica, I. epulotica var. arctica

ceracea (Arnold) M. Choisy

cyanocarpa (Anzi) Lutzoni (Miller et al. 2005)

epulotica (Ach.) Lutzoni Syn.: Ionaspis epulotica, Lecanora epulotica, L. epulotica var. subepulotica

heteromorpha (Kremp.) Lutzoni Syn.: Ionaspis heteromorpha, I. annularis, I. ochracella, I. reducta, I. schismatopis

melanocarpa (Kremp.) Arnold Syn.: Ionaspis melanocarpa

parva Fryday & J. W. McCarthy (Fryday & McCarthy 2018)

rhodopis (Sommerf.) Lutzoni Syn.: Ionaspis ochromicra, I. rhodopis

lacustris (With.) M. Choisy = Ionaspis lacustris

ochrolemma (Vainio) Gowan & Ahti = Porpidia ochrolemma

prevostii (Duby) Kremp. = H. epulotica

HYPERPHYSCIA Müll. Arg.

adglutinata (Flörke) H. Mayrhofer & Poelt Syn.: Parmelia obscura var. adglutinata, Physcia

adglutinata, P. elaeina, Physciopsis adglutinata, P. elaeina

confusa Essl., C. A. Morse & S. Leavitt (Esslinger et al. 2012)

minor (Fée) D. D. Awasthi Syn.: Physcia minor, Physciopsis minor

pyrithrocardia (Müll. Arg.) Moberg & Aptroot (Esslinger et al. 2012) Syn.: Physcia adglutinata f. pyrithrocardia

syncolla (Tuck. ex Nyl.) Kalb Syn.: Physcia syncolla, Physciopsis syncolla

HYPOCENOMYCE M. Choisy

scalaris (Ach. ex Lilj.) M. Choisy Syn.: *Biatora ostreata*, *Lecidea scalaris*, *L. ostreata*, *Psora scalaris*, *P. ostreata*
anthracophila (Nyl.) P. James & Gotth. Schneider (Timdal 2002a) = *Carbonicola anthracophila*
castaneocinerea (Räsänen) Timdal = *Carbonicola myrmecina*
friesii (Ach.) P. James & Gotth. Schneider = *Xylopsora friesii*
leucococca R. Sant. = *Toensbergia leucococca*
oligospora Timdal (Timdal 2001) = *Fulgidea oligospora*
praestabilis (Nyl.) Timdal = *Pycnora praestabilis*
sierrae Timdal (Timdal 2001) = *Fulgidea sierrae*
sorophora (Vainio) P. James & Poelt = *Pycnora sorophora*
xanthococca (Sommerf.) P. James & Gotth. Schneider = *Pycnora xanthococca*

HYPOGYMNIA (Nyl.) Nyl.

apinnata Goward & McCune
austerodes (Nyl.) Räsänen Syn.: *Parmelia austerodes*
beringiana (Krog) McCune (McCune 2008)
bitteri (Lynge) Ahti Syn.: *Parmelia bitteri*
canadensis Goward & McCune (Goward & McCune 2007)
castanea McCune & Krog (McCune 2008)
dichroma Goward (Goward et al. 2012)
duplicata (Ach.) Rass. Syn.: *Parmelia elongata* (Spribille et al. 2010)
enteromorpha (Ach.) Nyl. Syn.: *Parmelia physodes* var. *enteromorpha*
farinacea Zopf Uncertain for North America (Goward et al. 2012)
fistulosa McCune & Krog (McCune 2008)
gracilis McCune (McCune 2002)
heterophylla L. Pike
hultenii (Degel.) Krog Syn.: *Cavernularia hultenii* (Miądlikowska et al. 2011)
imshaugii Krog
inactiva (Krog) Ohlsson
incurvoides Rass. (McCune et al. 2006)
krogiae Ohlsson
lophyrea (Ach.) Krog Syn.: *Cavernularia lophyrea*, *Parmelia lophyrea* (Miądlikowska et al. 2011), *P. cribellata*
lugubris (Pers.) Krog
minilobata McCune & Schoch (McCune & Schoch 2009)
mollis L. Pike & Hale
occidentalis L. Pike
oceanica Goward
physodes (L.) Nyl. Syn.: *Parmelia duplicata* var. *douglasicola*, *P. physodes*, *P. physodes* var. *obscurata*, *P. oregana*
protea Goward, T. Sprib. & Ahti (Goward et al. 2012)
pulverata (Nyl. ex Crombie) Elix
recurva Goward, Björk, & Hollinger (Goward et al. 2010)
rugosa (G. Merr.) L. Pike
salsa Goward (Goward et al. 2012)
schizidiata McCune (McCune 2002)
subcapitata (Nyl.) Rass.
subobscura (Vainio) Poelt Syn.: *Parmelia subobscura*
subphysodes (Kremp.) Filson (McCune & Rosentreter 1997)
tubulosa (Schaerer) Hav. Syn.: *Parmelia tubulosa*
verruculosa Goward (Goward et al. 2012)
vittata (Ach.) Parrique Syn.: *Parmelia physodes* var. *vittata*, *P. vittata*
wilfiana Goward, T. Sprib. & Ahti (Goward et al. 2010)
plexa Goward, Björk & T. B. Wheeler (Lumbsch et al. 2011) = *H. imshaugii* (McCune et al.

2011)

atrofusca (Schaerer) Räsänen = *Brodoa atrofusca*, but North American reports are misidentifications

bitteriana (Zahlbr.) Räsänen = *H. farinacea*

elongata (Hillm.) Rass. = *H. duplicata*

encausta (Sm.) Walter Watson = *Brodoa intestiniformis* (but see below)

intestiniformis (Vill.) Räsänen = *Brodoa intestiniformis*, but North American records are misidentifications of, e.g., *Brodoa oroarctica*

metaphysodes (Asahina) Rass. = misidentification for North America (Goward et al. 2010)

oroarctica Krog = *Brodoa oroarctica*

pseudophysodes (Asahina) Rass. North American reports are *H. oceanica*

HYPOTRACHYNA (Vainio) Hale

afrorevoluta (Krog & Swinscow) Krog & Swinscow (Knudsen & Lendemer 2005b)

appalachensis Lendemer & J. L. Allen (Lendemer & Allen 2020)

britannica (D. Hawksw. & P. James) Coppins (Lendemer & Allen 2020)

catawbiensis (Degel.) Divakar, A. Crespo, Sipman, Elix & Lumbsch Syns.: *Cetrariastrum catawbiense*, *Everniastrum catawbiense*, *Parmelia sorocheila* var. *catawbiensis*

consimilis (Vainio) Hale (Lendemer & Harris 2016)

costaricensis (Nyl.) Hale

croceopustulata (Kurok.) Hale Syn.: *Parmelia croceopustulata*

cryptochlora (Vainio) D. Hawksw. & A. Crespo Syns.: *Parmelinopsis cryptochlora* (Divakar et al. 2013)

dactylifera (Vainio) Hale (Nash et al. 1998)

densirhizinata (Kurok.) Hale Syn.: *Parmelia densirhizinata*

dentella (Hale & Kurok.) Hale Syn.: *Parmelia dentella*

ensifolia (Kurok.) Hale Syns.: *Parmelia ensifolia*, *P. lobulifera* var. *insensitiva*

gondylophora (Hale) Hale Syn.: *Parmelia gondylophora*

horrescens (Taylor) Krog & Swinscow Syns.: *Parmelia horrescens*, *Parmelina horrescens*, *Parmelinopsis horrescens* (Divakar 2013)

imbricatula (Zahlbr.) Hale Syns.: *Parmelia imbricatula*, *P. lobulifera*, *P. lobulifera* var. *luteoreagens*

kauffmaniana Lendemer & J. L. Allen (Lendemer & Allen 2020)

laevigata (Sm.) Hale Syn.: *Parmelia laevigata*

livida (Taylor) Hale Syn.: *Parmelia livida*

lividescens (Kurok.) Hale (Hodkinson 2010)

meridensis Hale & López (Nash et al. 2002)

mcmulliniana Lendemer & J. L. Allen (Lendemer & Allen 2020)

minarum (Vainio) Krog & Swinscow Syns.: *Parmelia dissecta*, *P. hubrichtii*, *Parmelina dissecta*, *P. minarum*, *Parmelinopsis minarum* (Divakar 2013)

oprah Lendemer & J. L. Allen (Lendemer & Allen 2019)

oostingii (J. P. Dey) Hale Syn.: *Parmelia oostingii*

osseoalba (Vainio) Park & Hale Syns.: *Parmelia formosana*

polydactyla (Krog & Swinscow) T. H. Nash

producta Hale Syn.: *Parmelia producta*

prolongata (Kurok.) Hale Syns.: *Parmelia prolongata*, *P. lobulifera* var. *sanguineoreagens*, *P. rachista*

pseudosinuosa (Asahina) Hale

pulvinata (Fée) Hale Syn.: *Parmelia pulvinata*

punoensis Kurok. & K. H. Moon (Nash et al. 2002)

pustulifera (Hale) Skorepa Syn.: *Parmelia pustulifera*

revoluta (Flörke) Hale Syn.: *Parmelia revoluta*

riparia McCune (McCune 1998a)

rockii (Zahlbr.) Hale Syn.: *Parmelia rockii*

showmanii Hale

sinuosa (Sm.) Hale Syn.: *Parmelia sinuosa*

- spumosa** (Asahina) Krog & Swinscow Syns.: *Parmelia spumosa*, *Parmelina spumosa*, *Parmelinopsis spumosa* (Divakar et al. 2013)
- subsaxatilis** (B. de Lesd.) Hale
- swinscowii** (Hale) Krog & Swinscow Syns.: *Parmelia swinscowii*, *Parmelina swinscowii*, *Parmelinopsis swinscowii* (Divakar et al. 2013)
- taylorensis** (M. E. Mitch.) Hale (Groner & Dietrich 1996)
- thysanota** (Kurok.) Hale Syn.: *Parmelia thysanota*
- virginica** (Hale) Hale Syn.: *Parmelia virginica*
- formosana** (Zahlbr.) Hale = *H. osseoalba*
- rachista** (Hale) Hale = *H. prolongata*
- sorocheila** (Vainio) Divakar, A. Crespo, Sipman, Elix & Lumbsch Reports apparently based on *H. catawbiensis* (Egan 1987)
- ICMADOPHILA** Trevisan
- ericetorum** (L.) Zahlbr. Syn.: *Baeomyces aeruginosa*
- ILLOSPORIOPSIS** D. Hawksw.
- ***christiansenii** (B. L. Brady & D. Hawksw.) D. Hawks. (Sikaroodi et al. 2001)
- ILLOSPORIUM** Martius
- ***carneum** Fr.
- ***corallinum** Roberge = *Marchandiomyces corallinus*
- IMMERSARIA** Rambold & Pietschm.
- #**athroocarpa** (Ach.) Rambold & Pietschm.
- carbonoidea** (J. W. Thomson) Esnault & Cl. Roux Syn.: *Lecidea carbonoidea*
- IMSHAUGIA** S. F. Meyer
- aleurites** (Ach.) S. F. Meyer Syns.: *Cetraria aleurites*, *Parmelia aleurites*, *P. ambigua* var. *albescens*, *Parmeliopsis aleurites*
- placorodia** (Ach.) S. F. Meyer Syns.: *Cetraria aleurites* var. *placorodia*, *Parmeliopsis placorodia*
- INGVARIELLA** Guderley & Lumbsch
- bispora** (Bagl.) Guderley & Lumbsch (Lumbsch 2004)
- INODERMA** (Ach.) Gray
- byssaceum** (Weigel) Gray Syn.: *Arthonia byssacea* (Frisch et al. 2015)
- INTRALICHEN** D. Hawksw. & M. S. Cole
- ***baccisporus** Hawksworth & M. S. Cole (Hawksworth & Cole 2002)
- ***christiansenii** (D. Hawksw.) D. Hawksw. & M. S. Cole Syn.: *Bispora christiansenii* (Hawksworth & Cole 2002)
- ***lichenicola** (M. S. Christ. & D. Hawksw.) D. Hawksw. & M. S. Cole (Kocourková et al. 2012)
- ***lichenum** (Diederich) D. Hawksw. & M. S. Cole (Hawksworth & Cole 2002) Syn.: *Bispora lichenum*
- INVOLUCROPYRENIUM** Breuss (Breuss 1996)
- waltheri** (Kremp.) Breuss Syn.: *Catapyrenium waltheri*, *Dermatocarpon waltheri*
- IONASPIS** Th. Fr.
- alba** Lutzoni
- lacustris** (With.) Lutzoni Syns.: *Hymenelia lacustris*, *Aspicilia lacustris*, *Lecanora lacustris*, *L. deplanans*
- lavata** H. Magn. Syn.: *Lecanora lavata*
- obtecta** (Vainio) R. Sant. (McCune et al. 2014b)

odora (Ach.) Th. Fr. ex Stein Syns.: *Gyalecta odora*, *Lecanora odora*
suaveolens (Fr.) Th. Fr. ex Stein
annularis H. Magn. (Thomson 1997) = *Hymenelia heteromorpha*
arctica Lyng = *Hymenelia arctica*
chrysophana (Körber) Stein = *I. suaveolens*
epulotica (Ach.) Blomb. & Forssell = *Hymenelia epulotica*
epulotica var. *arctica* (Lyng) H. Magn. = *Hymenelia arctica*
heteromorpha (Kremp.) Arnold = *Hymenelia heteromorpha*
melanocarpa (Kremp.) Arnold = *Hymenelia melanocarpa*
ochracella (Nyl.) H. Magn. = *Hymenelia heteromorpha*
ochromicra (Nyl.) Hue = *Hymenelia rhodopis*
reducta H. Magn. = *Hymenelia heteromorpha*
rhodopis (Sommerf.) Blomb. & Forssell = *Hymenelia rhodopis*
schismatopis (Nyl.) Hue = *Hymenelia heteromorpha*
spitsbergensis H. Magn. = nom. Invalidum

IVANPISUTIA S. Y. Kondr., L. Lökös & J.-S. Hur (Kondratyuk et al. 2020)

hypophaea (Printzen & Tønsberg) S. Y. Kondr. Syn.: *Biatora hypophaea*
ocelliformis (Nyl.) S. Y. Kondr. Syn.: *Biatora ocelliformis*

JAMESIELLA Lücking, Sérus. & Vězda

anastomosans (P. James & Vězda) Lücking, Sérus. & Vězda (Lücking et al. 2007) Syn.:
Gyalideopsis anastomosans
dacryoidea Fryday (Fryday & Dillman 2021)
scotica (P. James) Lücking, Sérus. & Vězda (Tønsberg 2016)

JAPEWIA Tønsberg

subaurifera Muhr & Tønsberg
tornoënsis (Nyl.) Tønsberg Syns.: *Biatora tornoënsis*, *Lecidea tornoënsis*, *Mycoblastus tornoënsis*
carrollii (Coppins & P. James) Tønsberg (Aptroot 1996) = misidentification for North America
(Printzen 1999)

JAPEWIELLA Printzen

dollypartoniana J. L. Allen & Lendemmer (Allen & Lendemmer 2015)

JARXIA D. Hawksw. (Harris 1995a)

ilicicola R. C. Harris (Harris 1995a)
thelenula R. C. Harris (Harris 1995a)

JOCATOA R. Miranda (Miranda-González et al. 2020)

agminalis (Nyl.) Lücking, Herrera-Camp. & R. Miranda Syn.: *Medusulina texana*

JULELLA Fabre

+**asema** R. C. Harris (Harris 1995a)
+**dispora** (Müll. Arg.) R. C. Harris (Harris 1995a) Syn.: *Polyblastiopsis dispora*
+**fallaciosa** (Arnold) R. C. Harris (Harris 1995a) Syn.: *Polyblastiopsis fallaciosa*
+**geminella** (Nyl.) R. C. Harris (Harris 1995a) Syn.: *Polyblastiopsis rappii*
+**lactea** (A. Massal.) M. E. Barr (Harris 1995a) Syn.: *Polyblastiopsis lactea*
+**sericea** (A. Massal.) Coppins (Aptroot 2002b)
+**sublactea** (Nyl.) R. C. Harris (Harris 1995a) Syns.: *Clathroporina exiguella*, *C. amygdalina*,
Polyblastiopsis sublactaea
+**taxodii** R. C. Harris (Harris 1995a)
+**variiformis** R. C. Harris (Harris 1995a)
+**vitrifera** (Cooke & Harkness) M. E. Barr (Harris 1995a)

KAERNEFELTIA A. Thell & Goward (Thell & Goward 1996)

californica (Tuck.) A. Thell & Goward (Thell & Goward 1996) Syns.: *Alectoria californica*, *A. cetrariza*, *Cetraria californica*, *Cornicularia californica*, *Tuckermannopsis californica*
merrillii (Du Rietz) A. Thell & Goward (Thell & Goward 1996) Syns.: *Cetraria merrillii*, *Tuckermannopsis merrillii*

KALCHBRENNERIELLA Diederich & M. S. Christ.

***cyanescens** (Kalchbr.) Diederich & M. S. Christ. (Diederich 2002)

KARSCHIA Körber

***talcephila** (Ach.) Körber (Hafellner et al. 2002)

***athallina** (Müll. Arg.) Vouaux = *Sclerococcum athallinum*

***inops** Triebel & Rambold = *Buelliella inops*

KARSTENIOMYCES D. Hawksw.

***peltigerae** (P. Karsten) D. Hawksw. (Alstrup & Cole 1998)

KEPHARTIA R. C. Harris & Lendemer (Lendemer et al. 2013)

crystalligera R. C. Harris & Lendemer

spinadiaboli R. C. Harris & Lendemer

KILIASIA Hafellner (Kistenich et al. 2018)

athallina (Hepp) Hafellner Syns.: *Catillaria athallina*, *Toninia athallina*

pennina (Schaerer) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Toninia pennina*

philippea (Mont.) Hafellner Syns.: *Catillaria arctica*, *C. kansuensis*, *C. philippea*, *Toninia philippea*

sculpturata (H. Magn.) Kistenich, Timdal, Bendiksby & S. Ekman (Kistenich et al. 2018) Syns.: *Catillaria sculpturata*, *Toninia sculpturata*

superioris (Timdal) Timdal (Kistenich et al. 2018) Syn.: *Toninia superioris*

tristis (Müll. Arg.) Hafellner Syn.: *Toninia subnitida*

KIRSCHSTEINIOTHELIA D. Hawksw. Omitted as a totally saprophytic genus

KNUFIA L. J. Hutchinson & Unter.

***peltigerae** (Fuckel) Réblová & Unter. Syn.: *Capronia peltigerae* (Réblová et al. 2013)

KOERBERIA A. Massal.

biformis A. Massal.

sonomensis (Tuck.) Henssen = *Tingiopsidium sonomense* (Hafellner & Spribille 2016)

KOERBERIELLA Stein

wimmeriana (Körber) Stein

KOHLMEYERA Schatz

complicatula (Nyl.) Schatz = *Mastodia tessellata* (Kohlmeyer et al. 2004)

LABROCARPON Etayo & Pérez-Ortega

***canariense** (D. Hawksw.) Etayo & Pérez-Ortega (Seavey & Seavey 2014a)

LAETISARIA Burds.

***buckii** (Diederich & Lawrey) Diederich, Lawrey & Ghobad-Nejhad Syn.: *Marchandiomyces*

buckii (Diederich et al. 2018)

LAEVIOMYCES D. Hawksw. = **LICHENODIPLIS**

***lecanoricola** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001) = *Lichenodiplis lecanoricola*

***pertusariicola** (Nyl.) D. Hawksw. = *Lichenodiplis pertusariicola*

LAHMIA Körber

fuеistingii Körber = Arthrorhaphis grisea

LAMBIELLA Hertel

aliphatica T. Sprib. & Resl (Spribille et al. 2020)

arenosa McCune & Lumbsch (McCune & Lumbsch 2017)

caeca (J. Lowe) Resl & T. Sprib. Syn.: Lecidea caeca, Rimularia caeca (Resl et al. 2015)

#furvella (Nyl. ex Mudd) M. Westb. & Resl Syn.: Lecidea furvella, Rimularia furvella (Resl et al. 2015)

gyrizans (Nyl.) M. Westb. & Resl Syn.: Rimularia gyrizans (Resl et al. 2015)

impavida (Th. Fr.) M. Westb. & Resl. Syn.: Lecidea impavida, Rimularia impavida (Resl. et al. 2015)

#insularis (Nyl.) T. Sprib. (Spribille et al. 2014a) Syn.: Lecidea insularis, Rimularia insularis

sphacelata (Th. Fr.) M. Westb. & Resl Syn.: Lecidea sphacelata, Rimularia sphacelata (Resl et al. 2015)

fuscosora (Muhr & Tønsberg) M. Westb. & Resl (Seaward et al. 2017) N.A. report is Japewiella dollypartoniana (Lendemer & Brodo 2018)

LASALLIA Mérat

caroliniana (Tuck.) Davydov, Peršoh & Rambold Syn.: Umbilicaria caroliniana (Davydov et al. 2010)

papulosa (Ach.) Llano Syn.: Umbilicaria pustulata var. papulosa, U. papulosa

pensylvanica (Hoffm.) Llano Syn.: Umbilicaria pensylvanica

pustulata (L.) Mérat Syn.: Umbilicaria pustulata

pustulata subsp. papulosa (Ach.) W. A. Weber = L. papulosa

LASIOSPHAERIOPSIS D. Hawksw. & Sivan.

***lecanorae** Pérez-Ort. & Halici (Spribille et al. 2020)

***stereocaulicola** (Lindsay) O. E. Eriksson & R. Sant. (Zhurbenko & Daniēls 2003)

LATHAGRIUM (Ach.) Gray (Otálora et al. 2014)

auriforme (With.) Otálora, P. M. Jørg. & Wedin Syn.: Collema auriculatum, C. auriforme, C. granosum auct.

cristatum (L.) Otálora, P. M. Jørg. & Wedin Syn.: Collema melaenum, C. cristatum, C. cristatum var. marginale

dichotomum (With.) Otálora, P. M. Jørg. & Wedin Syn.: Collema dichotomum C. fluviatile, C. stenophyllum

fuscovirens (With.) Otálora, P. M. Jørg. & Wedin Syn.: Collema furvum, C. fuscovirens, C. tuniforme

undulatum (Flotow) Otálora, P. M. Jørg. & Wedin Syn.: Collema undulatum

undulatum var. **granulosum** (Degel.) M. Schulz & McCune (McCune et al. 2018)

LAUDERLINDSAYA J. C. David & D. Hawksw. (McCune 1997a) = Normandina (Muggia et al. 2010)

***borreri** (Tul.) J. C. David & D. Hawksw. (McCune 1997a) = Normandina pulchella

LAURERA Rchb.

madreporiformis (Eschw.) Riddle = Bathelium madreporiforme (Harris 1995a)

megasperma (Mont.) Riddle = Astrothelium megaspermum

subdisjuncta (Müll. Arg.) R. C. Harris = Astrothelium subdisjunctum

varia (Fée) Zahlbr. = misidentification for North America

LAWALREEA Diederich

***lecanorae** Diederich (Haldeman 2020)

LAWREYA Ertz, Common, Diederich & U. Braun

***glyphidiphila** U. Braun, Common, Diederich & Ertz (Diederich et al. 2019)

LECANACTIS Körber

abietina (Ach.) Körber

[**Bacidia akompsa** (Tuck.) Fink]

californica Tuck.

dubia G. Merr.

epileuca (Nyl.) Tehler Syns.: *Platygrapha subattingens*, *Schismatomma subattingens*

salicina Zahlbr.

amylacea (Ehrh. ex Pers.) Arnold = *Lecanographa amylacea*

chloroconia Tuck. = *Cresponea chloroconia*

dimelaenoides Egea & Torrente = *Lecanographa dimelaenoides*

**grumulosa* (Dufour) Fr. = [Paralecanographa grumulosa](#)

illicebrosa (Dufour) Fr. = *Lecanographa amylacea*

megaspora (G. Merr.) Brodo = *L. abietina*

nashii Egea & Torrente = *Lecanographa hypothallina*

patellarioides (Nyl.) Vainio = *Bactrospora patellarioides*

premnea (Ach.) Arnold = *Cresponea premnea*

premnea var. *chloroconia* (Tuck.) Tuck. (Tuckerman 1882) = *Cresponea chloroconia*

ravenelii (Tuck.) R. C. Harris = *Opegrapha ravenelii*

subattingens (Nyl.) R. C. Harris = *L. epileuca*

subdryophila Follmann & Vězda = *Lecanographa subdryophila*

zahlbruckneri Herre (Fink 1935) = *L. californica* (Ryan & Tehler 2004)

LECANIA A. Massal.

aipospila (Wahlenb.) Th. Fr. (McCune 2017) Syn.: *Lecanora spodophaeiza*

arizonica B. D. Ryan & van den Boom (van den Boom & Ryan 2004b)

brunonis (Tuck.) Herre Syn.: *Lecanora brunonis*

#**caloplacicola** B. D. Ryan & van den Boom (van den Boom & Ryan 2004b)

chalcophila B. D. Ryan & van den Boom (van den Boom & Ryan 2004b)

coeruleorubella (Mudd) M. Mayrhofer (van den Boom & Ryan 2004b)

constricta W. A. Weber

cuprea (A. Massal.) van den Boom & Coppins Syns.: *Bacidia cuprea*, *B. cupreorosella*, *Biatora*

cupreorosella, *Bilimbia cupreorosella*

cyrtella (Ach.) Th. Fr. Syn.: *Biatora cyrtella*, *Lecidea cyrtella*

dudleyi Herre

flavescens Lynge (Thomson 1997)

franciscana (Tuck.) K. Knudsen & Lendemer Syns.: *Biatora franciscana*, *Catillaria franciscana*

(Knudsen & Lendemer 2007)

fructigena Zahlbr.

fuscella (Schaerer) Körber

fuscelloides B. D. Ryan & van den Boom (van den Boom & Ryan 2004b)

[**Catillaria groenlandica** Lynge]

hassei (Zahlbr.) W. Noble Syn.: *Solenopsora hassei*

hydrophobica T. Sprib. & Fryday (Spribille et al. 2020)

inundata (Hepp ex Körber) M. Mayrhofer (van den Boom & Ryan 2004b)

koerberiana J. Lahm (McCune 2017)

madida Reese Naesb. & Björk (Reese Naesborg 2008)

nylanderiana A. Massal.

pacifica Zahlbr. ex B. D. Ryan & van den Boom (van den Boom & B. D. Ryan 2004b)

polycycla (Anzi) Lettau (van den Boom & B. D. Ryan 2004b)

rabenhorstii (Hepp) Arnold (van den Boom & B. D. Ryan 2004b)

ryaniana van den Boom (van den Boom & Ryan 2004b)

shastensis Herre

stigmatella (Tuck.) S. Ekman (Ekman 1996) Syns.: *Bacidia stigmatella*, *Biatora stigmatella*

subcaesia (Nyl.) B. de Lesd.
subfuscata (Nyl.) S. Ekman (Ekman 1996) Syns.: *Bacidia sibirica*, *B. subfuscata*
toninioides Zahlbr.
turicensis (Hepp) Müll. Arg.
albariella (Nyl.) Müll. Arg. = *L. turicensis*
alpivaga Th. Fr. = *Halecania alpivaga*
arctica Lynge = *Caloplaca diphyodes*
brattiae B. D. Ryan & van den Boom (van den Boom & Ryan 2004b) = *L. hassei* (Knudsen & Lendemer 2007)
californica (Zahlbr.) Fink = *L. turicensis* (van den Boom & Ryan 2004b)
croatica (Zahlbr.) Kotlov (Harris & Lendemer 2010) = *Coppinsidea croatica* (Kondratyuk et al. 2019)
cyathiformis Szatala (Tavares et al. 1997) = *Solenopsora cyathiformis*
cyrtellina (Nyl.) Sandst. = [Lecaniella cyrtellina](#)
curvescens (Mudd) A. L. Sm. = *Bryonora curvescens*
dimera (Nyl.) Th. Fr. = *L. dubitans*
disceptans (Nyl.) Lynge = *Halecania alpivaga* (Dillman et al. 2011)
dubitans (Nyl.) A. L. Sm. = [Lecaniella dubitans](#)
erysibe (Ach.) Mudd = [Lecaniella erysibe](#) (Kondratyuk et al. 2019)
hutchinsiae (Nyl.) A. L. Sm. (Spribille et al. 2010) = [Lecaniella hutchinsiae](#) (Kondratyuk et al. 2019)
naegelii (Hepp) Diederich & van den Boom = [Lecaniella naegelii](#) (Ekman 1996; Kondratyuk et al. 2019)
pepegospora H. Magn. = *Halecania pepegospora*
perproxima auct. = uncertain species of *Lecania*, perhaps *L. chalcophila* (van den Boom & Ryan 2004b)
perproxima (Nyl.) Zahlbr. = *Caloplaca atroalba* (van den Boom & Ryan 2004b)
prasinoidea Elenkin (Reese Naesborg 2008) = [Lecaniella prasinoidea](#) (Kondratyuk et al. 2019)
subdispersa B. D. Ryan [non (Nyl. ex Hasse) Hasse] = *L. franciscana*
subdispersa (Nyl. ex Hasse) Hasse = *Toninia subdispersa*
syringea (Ach.) Th. Fr. = *L. fuscella*
tenera (Nyl.) Clauzade & Cl. Roux = *Cliostomum tenera*
thallophila H. Magn. = *Halecania alpivaga*

LECANIELLA Jatta (Kondratyuk et al. 2019)

cyrtellina (Nyl.) S. Y. Kondr. Syn.: *Lecania cyrtellina*
dubitans (Nyl.) S. Y. Kondr. Syn.: *Lecania dubitans*
erysibe (Ach.) S. Y. Kondr. Syn.: *Lecania erysibe*
hutchinsiae (Nyl.) S. Y. Kondr. Syn.: *Lecania hutchinsiae*
naegelii (Hepp) S. Y. Kondr. Syns.: *Bacidia naegelii*, *Biatora naegelii*, *Bilimbia naegelii*, *Lecania naegelii*
prasinoidea (Elenkin) S. Y. Kondr. Syn.: *Lecania prasinoidea*

LECANOGRAPHA Egea & Torrente

aggregata Egea & Torrente (Egea et al. 2004b, as *Lecanographa* “aff.” *aggregata*)
amylacea (Ehrh. ex Pers.) Egea & Torrente Syns.: *Lecanactis amylacea*, *L. illecebrosa*, *Opegrapha illecebrosa*
brattiae (Egea & Ertz) Ertz & Tehler (Ertz & Tehler 2011) Syn.: *Opegrapha brattiae*
dimelaenoides (Egea & Torrente) Egea & Torrente Syn.: *Lecanactis dimelaenoides*
hypothallina (Zahlbr.) Egea & Torrente Syns.: *Platygrapha hypothallina*, *Schismatomma hypothallinum*, *Opegrapha hypothallina*, *O. hassei*, *Lecanactis nashii*
insolita Lendemer & K. Knudsen (Lendemer & Knudsen 2010)
lyncea (Sm.) Egea & Torrente (Egea et al. 2004b)
lynceoides (Müll. Arg.) Egea & Torrente (Egea et al. 2004b)
subdryophila (Follmann & Vězda) Egea & Torrente Syn.: *Lecanactis subdryophila*
***grumulosa** (Dufour) Egea & Torrente = *Paralecanographa grumulosa* (Diederich et al. 2018)

LECANORA Ach.

achroa Nyl. (Lücking et al. 2011b)
achroides Vainio
actophila Wedd.
aitema (Ach.) Hepp Syn.: *Lecidea aitema*
alaskensis H. Magn.
albella (Pers.) Ach. var. **albella**
albella var. **rubescens** (Imshaug & Brodo) Lumbsch
albellula Nyl. (Printzen 2001)
albocasiella B. D. Ryan & T. H. Nash (Ryan et al. 2004)
albula (Nyl.) Hue
aleutica H. Magn.
alophana (Ach.) Nyl.
anakeestiicola Lendemer & E. Tripp (Lendemer & Tripp 2015)
annularis Lendemer & K. Knudsen (Knudsen et al. 2014c)
anopta Nyl. Syn.: *Biatora pullula*, *Lecidea pullula* (Pérez-Ortega et al. 2010)
anoptiza Nyl.
apochroeoides Vainio
appalachensis Lendemer & R. C. Harris (Lendemer et al. 2013)
arenisaxicola B. D. Ryan & T. H. Nash (Ryan et al. 2004)
argentata (Ach.) Malme
argentea Oxner & Volkova
argopholis (Ach.) Ach.
atromarginata (Ach.) Rambold & Pietschm. (Brinker 2020)
atrosulphurea (Wahlenb.) Ach.
austrocalifornica Lendemer & K. Knudsen (Lendemer & Knudsen 2009)
bicineta Ramond
boligera (Norman ex Th. Fr.) Hedl.
brandegeei (Tuck.) Davydov, Yakovczenko & Printzen (Davydov et al. 2021a, 2021b) Syn. :
Lecanora pringlei subsp. *brandegeei*, *Lecidea brandegeei*
brattiae B. D. Ryan & T. H. Nash (Ryan et al. 2004)
brodoana Lumbsch & T. H. Nash
[*Parmularia brouardii* B. de Lesd.]
bryopsora (Doppelb. & Poelt) Hafellner & Türk (Dillman et al. 2012)
cadubriae (A. Massal.) Hedl. Syn.: *Lecidea cadubriae*, *L. ramulicola*
caesiorubella Ach. subsp. **caesiorubella**
caesiorubella subsp. **glaucomodes** (Nyl.) Imshaug & Brodo
caesiorubella subsp. **merrillii** Imshaug & Brodo
caesiorubella subsp. **saximontana** Imshaug & Brodo
caesiosora Poelt (Miller et al. 2005)
caesiosulphurea Vainio
californica Brodo
campestris (Schaerer) Hue
canadensis Lynge & H. Magn.
caperatica O. Asher & Lendemer (Asher & Lendemer 2018)
carneolutescens Nyl. (Lumbsch et al. 2003)
carpineae (L.) Vainio
cateilea (Ach.) A. Massal.
[*Lecidea caulophylla* (Tuck.) Zahlbr.]
cavicola Creveld (Nash et al. 1998)
cenisia Ach.
chlarotera Nyl.
chloroleprosa (Vainio) H. Magn. (Spribille et al. 2010)
chlorophaeodes Nyl.
cinereofusca H. Magn.

circumborealis Brodo & Vitik.
cladonioides Lynge
collatolica J. W. Thomson & T. H. Nash
comonduensis T. H. Nash & Hertel (Nash & Hertel 1997)
confusa Almb.
congesta Lynge
coniferarum Printzen (Printzen 2001)
conizaeoides Nyl. ex Crombie
cupressi Tuck.
darlingiae Lendemer & E. Tripp (Tripp & Lendemer 2019)
demosthenesii Lumbsch & Messuti (Lumbsch et al. 2003)
densa (Śliwa & Wetmore) Printzen (Printzen 2001)
discoënsis Lynge
ecorticata J. R. Laundon (Spribille et al. 2020)
elapheia Stizenb. (Lücking et al. 2011b)
epanora (Ach.) Ach.
epibryon (Ach.) Ach.
excludens Malme (Brodo et al. 2020)
expallens Ach.
farinaria Borrer
floridula Lumbsch
frustulosa (Dickson) Ach. (Spribille et al. 2010)
fuscescens (Sommerf.) Nyl. Syn.: *Biatora fuscescens*, *Lecidea fuscescens*
fuscidula Degel.
gangaleoides Nyl.
geophila (Th. Fr.) Poelt
***gisleriana** Müll. Arg. (Brinker 2020)
glabrata (Ach.) Malme
groenlandica Lynge
gypsicola St. Clair & Newberry (Rajvanshi et al. 1998)
helicopis (Wahlenb.) Ach. (identification uncertain)
horiza (Ach.) Lindsay
hybocarpa (Tuck.) Brodo
hypocrocina Nyl. (Seavey & Seavey 2012)
hypopta (Ach.) Vainio Syn.: *Lecidea hypopta*
hypoptoides (Nyl.) Nyl.
impudens Degel. In eastern N.A. at least, a misapplied name (Lendemer et al. 2013)
imshaugii Brodo
inaurata C. A. Morse & Ladd (Morse & Ladd 2016)
insignis Degel.
intricata (Ach.) Ach.
intumescens (Rebent.) Rabenh. (Brodo et al. 2020)
iowensis Fink
jamesii J. R. Laundon (Tønberg 1997)
kariana Räsänen
latens Printzen (Printzen 2001)
laxa (Śliwa & Wetmore) Printzen (Printzen 2001)
layana Lendemer (Lendemer 2015)
lendemeri E. Tripp & C. A. Morse (Tripp et al. 2019)
leprosa Fée
leptacina Sommerf.
leptacinella Nyl.
leucococca Sommerf. (McCune et al. 2018)
lividolutea Räsänen
louisianae B. de Lesd.
luteovernalis Brodo

marginata (Schaerer) Hertel & Rambold Syns.: *Lecidea marginata*, *L. elata*, *L. purissima*. See note under "*Lecidea amylacea*."
markjohnstonii And. Stewart, E. Tripp & Lendemer (Anderson Stewart et al. 2018)
masana Lendemer & R. C. Harris (Lendemer et al. 2013)
maxima Lynge
melaena (Hedl.) Fink
mellea W. A. Weber
meridionalis H. Magn.
microbola I. M. Lamb
microfusca Lynge
miculata Ach.
minutella Nyl.
monticola H. Magn.
mughicola Nyl.
munzii K. Knudsen & Lendemer (Knudsen & Lendemer 2009c)
nashii B. D. Ryan (Ryan et al. 2004)
neobommarginata Gyelnik
neodegelii B. D. Ryan & T. H. Nash Syn.: *Squamarina degelii* (Ryan et al. 2004)
nordenskioldii Vainio
nothocaesiella R. C. Harris & Lendemer (Lendemer et al. 2013)
ochraceorubescens Arnold (LaGreca & Lumbsch 2001)
orae-frigidae R. Sant.
oreinoides (Körber) Hertel & Rambold Syns.: *Lecidea oreinodes*, *L. tennesseensis*, *L. tessalina*
orizabana Vainio (Lumbsch et al. 2003)
orosthea (Ach.) Ach. Syn.: *Lecidea orosthea*
pacifica Tuck. Syn.: *L. tetraspora*
paddensis (Tuck.) T. Sprib. Syns.: *Biatora paddensis*, *Lecidea paddensis* (McCune et al. 2014b)
pallidochlorina T. H. Nash, B. D. Ryan & Lumbsch (Ladd & Morse 2012)
pannonica Szatala (McCune 2017)
peninsularis K. Knudsen, Lendemer & Elix (Knudsen et al. 2011a)
perplexa Brodo
phaeophora (Stizenb.) H. Magn. Syns.: *Lecidea phaeophora*, *Biatora phaeophora*
phaeostigma (Körber) Almb. (Spribille et al. 2020)
phryganitis Tuck.
placidensis (Magnusson) Knoph, Leuckert & Rambold (Knoph & Leuckert 1994) Syns.: *Lecidea placidensis*, *Lecidella placidensis*, *Fuscidea placidensis*
plumosa Müll. Arg. (Nash et al. 1998)
poliophaea (Wahlenb.) Ach.
poluninii Lynge
polytropa (Ehrh.) Rabenh.
populicola (DC.) Duby
proserpens Nyl. (Barrett & Thomson 1975)
protervula Stirton (Stirton 1876)
pseudargentata Lumbsch (LaGreca & Lumbsch 2001)
pseudistera Nyl.
pseudolivacea Zahlbr. (Esslinger & Tucker 2009)
pseudomellea B. D. Ryan
pseudosarcopidoides M. Brand & van den Boom (Hutten et al. 2013)
pulicaris (Pers.) Ach.
reagens Norman
remota K. Knudsen & Lendemer (Knudsen et al. 2017)
rhodi Szatala (LaGreca & Lumbsch 2001)
rubicunda Bagl.
rupicola (L.) Zahlbr. Syns.: *Glaucomaria rupicola*, *G. sordida*
sachsiana E. Tripp & Lendemer (Tripp & Lendemer 2019)
salicicola H. Magn.

saligna (Schrader) Zahlbr. Syn.: *Lecanoropsis saligna*
sarcopidoides (A. Massal.) Hedl. (Hutten et al. 2013)
saxigena Lendemer & R. C. Harris (Lendemer & Harris 2014d)
scrobiculata (Th. Fr.) Øvstedal & Elix Syn.: *Lecidea scrobiculata* (Elix & Øvstedal 2004)
semitensis (Tuck.) Zahlbr.
sierrae B. D. Ryan & T. H. Nash
simeonensis K. Knudsen & Lendemer (Lendemer & Knudsen 2009)
sophodopsella Nyl.
soralifera (Suza) Räsänen (McCune 2017)
stanislai Guzow-Krzemińska, Łubek, Malíček & Kukwa (Guzow-Krzemińska et al. 2017)
stenotropa Nyl. (LaGreca & Lumbsch 2001)
stramineoalbida Vainio (Lendemer & Knudsen 2011)
strobilina (Sprengel) Kieffer
subaurea Zahlbr. (missing from ver. 21 & 22)
subcarnea (Lilj.) Ach. (missing from ver. 21 & 22)
subcavicola B. D. Ryan (Ryan et al. 2004)
subimmergens Vainio
subintricata (Nyl.) Th. Fr.
subpallens Zahlbr. (Lumbsch et al. 1997, Lendemer 2004e)
subravida Nyl. (Hutten et al. 2013)
subrugosa Nyl.
subsaligna M. Brand & van den Boom (van den Boom & Brand 2008)
substrobilina Printzen (Printzen 2001)
sulphurea (Hoffm.) Ach. Syn.: *Lecidea sulphurea*
swartzii (Ach.) Ach. (Nash et al. 1998)
symmicta (Ach.) Ach. Syn.: *Lecidea symmicta*
texana W. A. Weber
~~#~~**thallophila** H. Magn.
thysanophora R. C. Harris (Harris et al. 2000)
tristiuscula H. Magn.
tropica Zahlbr. (Seavey & Seavey 2012)
umbrosa Degel.
urceolaria (Fr.) Wetm.
utahensis H. Magn. (Knudsen 2012)
valesiaca (Müll. Arg.) Stizenb.
varia (Hoffm.) Ach.
vegae Malme
viridipruinosa M. Svenss. & T. Sprib. (Spribille et al. 2020)
viriduloflava B. de Lesd.
willeyi Tuck.
wisconsinensis H. Magn.
xanthosora B. D. Ryan & Poelt
xylophila Hue
zeroensis Lendemer (Knudsen et al. 2011b)
 agardhiana Ach. (Śliwa 2007b) = *Myriolecis agardhiana*
 albescens (Hoffm.) Branth & Rostrup (Śliwa 2007b, Laundon 2010) = *Myriolecis albescens*
 albomarginata (B. de Lesd.) Zahlbr. = *Aspicilia albomarginata*
 albopruinosa Looman = *Circinaria contorta* (McCune et al. 2014b, [Perlmutter & Rivas Plata 2020](#))
 alboradiata H. Magn. = *Aspicilia alboradiata*
 aliena Zahlbr. = *Aspicilia aliena*
 alphoplaca (Wahlenb.) Ach. = *Lobothallia alphoplaca*
 alpina Sommerf. = *Bellemerea alpina*
 americana (B. de Lesd.) Zahlbr. = *Aspicilia americana*
 andrewii B. de Lesd. (Śliwa 2007b) = *Myriolecis andrewii*
 annulata Lynge = *Aspicilia annulata*
 anseris Lynge = *Aspicilia anseris*

applegatei Herre = *Bellemeria alpina* (Owe-Larsson & Ryan 2007)
 aquatica (Körber) Hepp = *Aspicilia aquatica*
 arctica Lyngé = *Aspicilia arctica*
 arizonica (Tuck. ex Willey) W. A. Weber = *Omphalora arizonica*
 athrocarpa Duby (Tuckerman 1882) Identity uncertain.
 atra (Hudson) Ach. = *Tephromela atra*
 atriseda (Fr.) Nyl. = *Protoparmelia atriseda*
 atosanguinea G. Merr. = *Caloplaca atosanguinea*
 atrynea (Ach.) Röhl. = *Lecanora cenisia*
 badia (Hoffm.) Ach. = *Protoparmelia badia*
 barkmaniana Aptroot & Herk (Kaminsky et al. 2013) = misidentification of *L. floridula* (Lendemer & Harris 2014b)
 basaltica Lyngé = *Aspicilia narssaquensis*
 beringii Nyl. ("behringii") = *L. zosteræ* var. *beringii* (Śliwa 2007b)
 bipruinosa Fink = *Protoparmeliopsis bipruinosa*
 bockii (Fr.) Rabenh. = *Rimularia gibbosa*
 bolanderi Tuck. = *Cladidium bolanderi*
 brunonis Tuck. (Tuckerman 1882) = *Lecania brunonis*
 caesiocinerea Nyl. ex Malbr. = *Circinaria caesiocinerea*
 caesiopruinosa H. Magn. = *Aspicilia caesiopruinosa*
 caesiorubella subsp. *lathamii* Imshaug & Brodo = *L. subpallens*
 caesiorubella subsp. *prolifera* (Fink) R. C. Harris = *L. subpallens*
 calcarea (L.) Sommerf. = *Circinaria calcarea*
 calcarea var. *contorta* (Hoffm.) Hepp (Tuckerman 1882) = *Circinaria contorta*
 calcarea var.? *hoffmannii* Nyl. (Tuckerman 1882) Identity uncertain, a later homonym of *L.*
 calcarea var. *hoffmannii* (Ach.) Sommerf.
 cancriformis (Hoffm.) Vainio = *L. caesiorubella* Ach. subsp. *caesiorubella*
 candida (Anzi) Nyl. = *Aspicilia candida*
 candida (Anzi) Nyl. var. *nikrapensis* (Darb.) Oxner (Barrett & Thomson 1975) = *Aspicilia candida*
 carlottiana Lewis & Śliwa (Lewis & Śliwa 2012) = *Myriolecis carlottiana*
 cascadenis H. Magn. = *Protoparmeliopsis garovaglii*
 castanea (Hepp) Th. Fr. = *Bryonora castanea*
 cervina (Pers.) Nyl. (Tuckerman 1882) = *Acarospora cervina*, but not known for N.A. (Knudsen & Kocourková 2020c)
 cervina var. *thamnina* Tuck. (Tuckerman 1882) = *Acarospora thamnina*
 chlarona (Ach.) Nyl. = *L. pulicaris*
 chlorophana (Wahlenb.) Ach. = *Pleopsidium chlorophanum*
 chloropolia (Erichsen) Almb. = *L. impudens* for most North American records
 chonion Tuck. (Tuckerman 1888) = *Psora crenata*
 christoi W. A. Weber = *Rhizoplaca phaedrophthalma*
 chrysoleuca (Sm.) Ach. = *Rhizoplaca chrysoleuca*
 cinerea (L.) Sommerf. = *Aspicilia cinerea*
 cinerea (L.) Sommerf. var. *gibbosa* Nyl. (Tuckerman 1882) Identity uncertain.
 cinerea var. *laevata* (Ach.) Tuck. (Tuckerman 1882) = *Aspicilia laevata*
 cinereofusca var. *appalachensis* Brodo = *L. saxigena* (Lendemer & Harris 2014d)
 cinereorufescens (Ach.) Hepp = *Bellemeria cinereorufescens*
 cingulata Zahlbr. = *Aspicilia cingulata*
 circinata (Pers.) Ach. = *Lobothallia radiosa*
 coilocarpa auct. = *L. circumborealis*
 coilocarpa (Ach.) Nyl. = *L. pulicaris*
 composita Lyngé = *Aspicilia composita*
 concinna J. W. Thomson = *Aspicilia concinna*
 conizaea auct. = *L. strobilina*
 conizaea (Ach.) Nyl. ex Crombie = *L. expallens*
 constipans (Nyl.) Nyl. (Fink 1935) = *Edrudia constipans*
 contorta (Hoffm.) J. Steiner = *Circinaria contorta*

contractula Nyl. = *Myriolecis contractula*
crenulata Hooker (Śliwa 2007b) = *Myriolecis crenulata*
crustacea (Savicz) Zahlbr. (Ryan & Nash 1997b) = *Protoparmeliopsis crustacea*
degelii T. Schauer & Brodo = *L. cinereofusca* var. *cinereofusca*
demissa (Körber) Zahlbr. = *Caloplaca demissa*
deplanans Nyl. = *Ionaspis lacustris* (Lendemer & Yahr 2004)
desertorum Kremp. North American reports are *Circinaria arida*
diffRACTA Ach. = *Protoparmeliopsis muralis*
diphasia Tuck. = *Caloplaca diphasia*
disceptans Nyl. = *Halecania alpivaga* (Dillman et al. 2011)
dispersa (Pers.) Sommerf. = *Myriolecis dispersa*
dispersoareolata (Schaerer) Lamy = *Protoparmeliopsis dispersoareolata*
disserpens (Zahlbr.) H. Magn. = *Aspicilia disserpens*
distans (Pers. ex Ach.) Nyl. = *L. populicola*
effusa (Hoffm.) Ach. = *L. saligna*
elevata Lynge = *Aspicilia elevata*
elatina Ach. (Tuckerman 1882) = *Loxospora elatina*
elatina var. *minor* Tuck. (Tuckerman 1882) Identity uncertain.
elatina var. *ochrophaea* (Tuck.) Tuck. (Tuckerman 1882) = *Loxospora ochrophaea*
elmorei E. D. Rudolph = *Circinaria elmorei*
epulotica (Ach.) Nyl ex Crombie = *Hymenelia epulotica*
epulotica var. *subepulotica* Nyl. (Tuckerman 1882) = *Hymenelia epulotica*
erythrantha Tuck. (Fink 1935) = *Caloplaca erythrantha* (Wetmore 2007b)
exigua f. *pruinosa* Merrill = *Rinodina hallii* (Sheard 2010)
eyerdamii Herre = *L. xylophila*
filamentosa (Stirton) Elix & Palice (Pérez-Ortega et al. 2010; Palice et al. 2011) = *Palicella*
filamentosa (Rodríguez Flakus & Printzen 2014)
fimbriata H. Magn. = *Aspicilia fimbriata*
flavida Hepp = *Eiglera flavida*
flavopunctata Tønsberg = *Myrionora flavopunctata*
floridana Tuck. = *Caloplaca floridana*
flotoviana Sprengel (Ryan et al. 2004) = *Myriolecis semipallida* for North American reports (Śliwa 2007a, Zhao et al. 2016)
flowersiana H. Magn. = *Myriolecis flowersiana*
frustulosa auct. N.A. in part = *L. argopholis* (Vänska 1984)
fugiens Nyl. (Ryan et al. 2004, as *Lecanora* “aff.” *fugiens*, Śliwa 2007b) = *Myriolecis fugiens*
fuliginosa Brodo = *L. argentea*
fulva Schwein. (Fink 1935) Identity uncertain (Harris 2004)
fuscata (Ach.) Röhl var. *oligocarpa* Nyl. (Tuckerman 1882) Identity uncertain, possible misspelling of var. *oligospora*?
fuscata var. *rufescens* (Ach.) Tuck. (Tuckerman 1882) Identity uncertain
fuscata var. *sinopica* (Wahlenb.) Tuck. (Tuckerman 1882) = *Acarospora sinopica*
fuscidula Degelius = *L. minutella* Nyl. (LaGreca & Lumbsch 2001)
galactina (Ach.) Nyl. (Fink 1935) = *Myriolecis albescens* (Scholz 2000, Zhao et al. 2016))
galactinula Vainio = *L. pseudistera*
garovaglii (Körber) Zahlbr. subsp. *garovaglii* = *Protoparmeliopsis garovaglii*
garovaglii subsp. *cascadensis* (H. Magn.) B. D. Ryan & T. H. Nash (Ryan et al. 2004) = *Protoparmeliopsis garovaglii*
geiserae B. D. Ryan (Ryan et al. 2004) = *Protoparmeliopsis geiserae*
gelida (L.) Ach. = *Placopsis gelida*
gibbosa (Ach.) Nyl. = *Circinaria gibbosa*
gibbosula H. Magn. = *Circinaria gibbosa*
glaucocarpa (Wahl.) Ach. (Tuckerman 1882) = *Acarospora glaucocarpa*
glaucocarpa var. *verrucosa* Tuck. (Tuckerman 1882) = *Acarospora glaucocarpa*
glaucomela Tuck. = *Pertusaria glaucomela*
glaucophana Nyl. ex Hasse = *Rhizoplaca glaucophana*

glaucopsina Nyl. = *Aspicilia glaucopsina*
 granatina Sommerf. = *Euopsis granatina*
 granifera Ach. = *Malmidea granifera*
 granulifera (Ach.) Nyl. (Fink 1935) non (Müll. Arg.) Stizenb. Identity uncertain; cited basionym is *Parmelia granulifera* Ach., which is *Heterodermia granulifera*
 grandis H. Magn. = *Protoparmelia badia*
 grantii H. Magn. = *L. xylophila*
 gyalectodes Nyl. = *Topelia gyalectodes*
 gyrophorica Lendemer (Knudsen & Lendemer 2009c) = *Protoparmeliopsis gyrophorica*
 hagenii (Ach.) Ach. = *Myriolecis hagenii*
 hagenii var. sambuci (Pers.) Tuck. (Tuckerman 1882) = *Myriolecis sambuci*
 haydenii Tuck. = *Rhizoplaca haydenii*
 heteroplaca Zahlbr. = *Aspicilia heteroplaca*
 holophaea (Mont.) Nyl. = *Solenopsora holophaea*
 hyospilota Vainio = *L. oreinoides*
 incusa (Fr.) Vainio = *Caloplaca demissa*
 intrudens H. Magn. = *Miriquidica intrudens*
 invadens H. Magn. (Śliwa 2007b) = *Myriolecis invadens*
 juniperina Śliwa (Ryan et al. 2004) = *Myriolecis juniperina*
 kofae B. D. Ryan & T. H. Nash = *Protoparmeliopsis kofae*
 laatokkaensis (Räsänen) Poelt = *Protoparmeliopsis laatokkaensis*
 lacustris (With.) Nyl. = *Ionaspis lacustris*
 laevata (Ach.) Nyl. = *Aspicilia laevata*
 laevis Poelt = *L. horiza*, but N. American records are *L. xylophila*
 lavata (H. Magn.) Fink = *Ionaspis lavata*
 lentigera (Weber) Ach. = *Squamarina lentigera*
 lesleyana (Darb.) Paulson = *Aspicilia lesleyana*
 limitata H. Magn. = *Aspicilia limitata*
 marginalis Hasse = *Rhizoplaca marginalis*
 mastoidea Lynge = *Aspicilia bertii*
 mastrucata (Wahlenb.) Ach. (Wetmore 1967) = *Sagedia mastrucata*
 mazatzalensis B. D. Ryan & T. H. Nash = *Protoparmeliopsis mazatzalensis*
 melanaspis (Ach.) Ach. = *Lobothallia melanaspis*
 melanophthalma (DC.) Ramond = *Rhizoplaca melanophthalma*
 mniaroeiza Nyl. = *Rinodina mniaroeiza*
 molybdina Ach. (Tuckerman 1882) = *Acarospora molybdina*
 molybdina var. ereutica (Wahlenb.) Schaerer (Tuckerman 1882) Identity uncertain
 molybdina var. microcyclos (Ach.) Ach. (Tuckerman 1882) Identity uncertain
 morioides (Blomb. ex Arnold) Blomb. = *Clauzadeana macula*
 muralis (Schreber) Rabenh. = *Protoparmeliopsis muralis*
 muralis var. brunneola (Mereschk.) Ryan & T. H. Nash (Nash et al. 1998) = *Protoparmeliopsis muralis*
 muralis (Schreber) Rabenh. var. diffracta (Ach.) Rabenh. (Tuckerman 1882) = *Protoparmeliopsis muralis*
 muralis var. saxicola (Pollich) Hepp (Tuckerman 1882) = *Protoparmeliopsis muralis*
 muralis var. garovaglii (Körber) Tuck. (Tuckerman 1882) = *Protoparmeliopsis garovaglii*
 muralis var. semitensis (Tuck.) Tuck. (Tuckerman 1882) = *Lecanora semitensis*
 muralis var. versicolor (Pers.) Tuck. = *Protoparmeliopsis muralis*
 mutabilis Sommerf. = *L. intricata*
 mutabilis (Ach.) Nyl. = *Megaspora verrucosa*
 myrina Fée (Fink 1935) Identity uncertain; possible orthographic error for *L. myrinii* (Esslinger & Tucker 2009)
 myrinii (Fr.) Tuck. = *Aspilidea myrinii*
 narssaquensis Lynge = *Aspicilia narssaquensis*
 nephaea Sommerf. = *Protoparmelia nephaea*
 nevadensis H. Magn. = *Protoparmeliopsis garovaglii*

nigromarginata H. Magn. = *Rhizoplaca nigromarginata*
 nikrapensis (Darb.) Zahlbr. = *Aspicilia nikrapensis*
 novae-semlicae Zahlbr. = *Aspicilia novae-semlicae*
 novomexicana H. Magn. = *Rhizoplaca novomexicana*
 novomexicana B. de Lesd. = identity uncertain
 obpallens Nyl. ex Hasse = *Acarospora obpallens*
 occidentalis (Lynge) Lynge = *L. argopholis*
 ochrococca (Nyl.) Clauzade & Cl. Roux = *Protoparmelia ochrococca*
 oculata (Dickson) Ach. (Tuckerman 1882) = *Pertusaria oculat*
 odora (Ach.) Tuck. (Fink 1935) = *Ionaspis odora*
 olivacea (Bagl. & Carestia) J. Steiner (Herre 1911, Fink 1935) = *Lecanora pseudolivacea*
 olivaceopallida H. Magn. = *Aspicilia olivaceopallida*
 opiniconensis Brodo = *Rhizoplaca opiniconensis*
 oregana Tuck. = *L. argopholis*
 pachythallina Lynge = *L. geophila*
 palanderi Vainio = *L. zosteriae*
 pallescens (L.) Röhl = *Ochrolechia pallescens* (L.) A. Massal., but misidentification for North America
 pallescens var. rosella Tuck. (Tuckerman 1882) = *Ochrolechia trochophora*
 pallescens var. upsaliensis (L.) Flotow = *Ochrolechia upsaliensis*
 pallida (Schreber) Rabenh. var. pallida = *L. albella* var. *albella*
 pallida (Schreber) Rabenh. var. angulosa Hoffm. (Tuckerman 1882) = *Lecanora carpineae*
 pallida var. cancriformis Tuck. (Tuckerman 1882) = *Lecanora caesiorubella* var. *caesiorubella*
 pallida var. rubescens Imshaug & Brodo = *L. albella* var. *rubescens*
 parisiensis Nyl. = *L. horiza*
 pelobotrya (Wahlenb.) Sommerf. = *Amygdalaria pelobotryon*
 peltata (Ramond) Steudel = *Protoparmeliopsis peltata*
 peltastictoides Hasse (Knudsen 2003) = *Aspicilia peltastictoides* (Knudsen & Kocourková 2013)
 percrenata H. Magn. (Šliwa 2007b) = *Myriolecis percrenata*
 pergibbosa H. Magn. = *Aspicilia pergibbosa*
[permutata Zahlbr. = *Oxneriaria permutata*](#)
 perpruinosa Fröberg (Šliwa 2007b) = *Myriolecis perpruinosa*
 perradiata Nyl. = *Aspicilia perradiata*
 persimilis (Th. Fr.) Nyl. = *Myriolecis persimilis*
 pertusa Lynge = *Aspicilia pertusa*
 phaedrophthalma Poelt var. phaedrophthalma = *Rhizoplaca phaedrophthalma*
 phaedrophthalma var. christoi (W. A. Weber) B. D. Ryan (Ryan et al. 2004) = *Rhizoplaca phaedrophthalma*
 phaebola Tuck. = *Protoparmelia ochrococca*
 pinastri (Schaerer) H. Magn. = *L. pulicaris*
 pinguis Tuck. = *Protoparmeliopsis pinguis*
 piniperda Körber = *L. albella* Nyl. (Printzen 2001)
 pleiospora Nyl. = *Acarospora thelococcoides*
 pleistospora Nyl. = *Acarospora thelococcoides*
 plicigera Zahlbr. = *Aspicilia plicigera*
 polychroma (Anzi) Nyl. = *Aspicilia polychroma*
 praecrenata Nyl. = *Aspicilia praecrenata*
 praeradiosa Nyl. = *Lobothallia praeradiosa*
[pringlei \(Tuck.\) I. M. Lamb subsp. pringlei = *Pulvinora pringlei* \(Davydov et al. 2021a\)](#)
[pringlei subsp. brandegei \(Tuck.\) Ryan \(Ryan et al. 2004\) = *Lecanora brandegei* \(Davydov et al. 2021a, 2021b\)](#)
 privigna (Ach.) Nyl. = *Acarospora privigna* (Knudsen et al. 2021b)
 privigna (Ach.) Nyl. var. clavus (DC.) Tuck. (Tuckerman 1882) = *Sarcogyne clavus*
 privigna var. pruinosa auct. (Tuckerman 1882) Identity uncertain
 privigna var. revertens Tuck. = *Acarospora privigna* (Knudsen et al. 2021b)
 pruinosa Chaub. Not in North America

pseudochlarotera Brodo = *L. hybocarpa*
punicea (Sw.) Ach. North American records are *Haematomma personii*
radiosa (Hoffm.) Schaerer = *Lobothallia radiosa*
ramulicola (H. Magn.) Printzen & P. May (Printzen & May 2002) = *L. filamentosa*
reptans Looman = *Aspicilia reptans*
riparia G. Merr. non (Flotow) M. Steiner = *L. xylophila*
rolleana (Hue) Zahlbr. = *Aspicilia rolleana*
rosulata (Körber) Stizenb. = *Aspicilia rosulata*
rubina (Vill.) Ach. = *Rhizoplaca chrysoleuca*
rubina var. *heteromorpha* Ach. (Tuckerman 1882) = *Protoparmeliopsis peltata* ?
rubina var. *opaca* Ach. (Tuckerman 1882) Identity uncertain
rugosa auct. (Fink 1935) = *L. chlarotera* (Brodo 1984)
rugosella Zahlbr. = *L. chlarotera* (Ryan et al. 2004)
ryrkaipiae H. Magn. = *Aspicilia ryrkaipiae*
salina H. Magn. = *Myriolecis salina*
sambuci (Pers.) Nyl. = *Myriolecis sambuci*
sanguinea (Kremp.) Mig. = *Bellemeria sanguinea*
saxicola (Pollich) Ach. = *Protoparmeliopsis muralis*
schizochromatica Pérez-Ortega, T. Sprib. & Printzen (Pérez-Ortega et al. 2010) = *Palicella*
schizochromatica (Rodriguez Flakus & Printzen 2014)
schleicheri (Ach.) Nyl. (Tuckerman 1882) = *Acarospora schleicheri*
schofieldii Brodo (Brodo 2010) = *Myriolecis schofieldii*
scotopholis (Tuck.) Timdal = *Miriquidica scotopholis*
semipallida H. Magn. (Fryday 2004a) = *Myriolecis semipallida*
sipeana H. Magn. = *Aspicilia sipeana*
sophodopsis Nyl. (Tuckerman 1882) Identity uncertain
sordida (Pers.) Th. Fr. = *L. rupicola*
spodophaeiza Nyl. (Fink 1935, Ryan et al. 2004) = *Lecania aipospila*
stenospora Stizenb. = *Pleopsidium flavum*
straminea Ach. = *Myriolecis straminea*
stygioplaca Nyl. = *Aspicilia subradians*
subdispersa Nyl. ex Hasse = *Toninia subdispersa*
subfusca (L.) Ach. = nom. rej. prop. = *L. allophana*
subfusca (L.) Ach. var. *allophana* Ach. (Tuckerman 1882) = *Lecanora allophana*
subfusca var. *argentata* (Ach.) Boistel (Tuckerman 1882) = *Lecanora argentata*
subfusca var. *campestris* (Schaerer) Rabenh. = *Lecanora campestris*
subfusca var. *coilocarpa* Ach. (Tuckerman 1882) = *L. pulicaris*
subfusca var. *distans* (Pers.) D. Dietr. (Tuckerman 1882) = *L. populicola*
subfusca var. *hypnorum* (Schaerer) Rabenh. (Tuckerman 1882) = identity uncertain
subfuscata H. Magn. = *L. argentata*
sublapponica Zahlbr. = *Aspicilia sublapponica*
sublivascens Nyl. = *Caloplaca demissa*
subpallida G. Merr. non C. Knight = *L. subpallens*
subradians Nyl. = *Aspicilia subradians*
subradiascens Nyl. = *Aspicilia subradians*
superfluens H. Magn. = *L. geophila*
supertegens (Arnold) Zahlbr. = *Aspicilia supertegens*
sylvestris (Nyl.) Zahlbr. = *L. rubicunda*
symmicta Nyl. = *L. symmicta*
tartarea (L.) Ach. = *Ochrolechia tartarea*
tenera (Nyl.) Crombie = *Cliostomum tenerum*
tenuis H. Magn. = *Aspicilia tenuis*
tesselina (Tuck.) Zahlbr. = *L. oreinoides*
tetraspora H. Magn. = *L. pacifica*
thamnitis Tuck. = *Cladidium bolanderi*
thamnoplaca Tuck. = *Lobothallia alphoplaca*

thelococcoides Nyl. = *Acarospora thelococcoides* (Lendemer 2004a)
thomsonii H. Magn. = *Rhizoplaca novomexicana* (Ryan & Nash 1991, Zhao et al. 2016)
torrida Vainio = *Myriolecis torrida*
turbinata Poelt & Leuckert = *L. zosteræ* var. *beringii* (Šliwa 2007b)
umbrina (Ach.) A. Massal. = *L. hagenii* (Šliwa 2007b)
urceolaria (Fr.) Wetmore = *Megaspora verrucosa*
varia subsp. *densa* Šliwa & Wetmore (Šliwa & Wetmore 2000) = *L. densa*
varia (Hoffm.) Ach. var. *intricata* (Ach.) Th. Fr. (Tuckerman 1882) = *Lecanora intricata*
varia subsp. *laxa* Šliwa & Wetmore (Šliwa & Wetmore 2000) = *L. laxa*
varia var. *polytropa* (Ehrh.) D. Dietr. (Tuckerman 1882) = *Lecanora alpigena* (Ach.) Cl. Roux, but this European taxon not confirmed for N.A.
varia var. *sepincola* (Ach.) Link (Tuckerman 1882) = *Lecanora aitema*
varia var. *symmicta* Ach. (Tuckerman 1882) = *Palicella filamentosa*
variolascens auct. = *L. impudens* for North American records
ventosa (L.) Ach. (Tuckerman 1882) = *Ophioparma ventosa*
#verrucariicola B. D. Ryan (Ryan et al. 2004) = *Miriquidica verrucariicola* (Knudsen et al. 2015)
verrucigera (Hue) Zahlbr. = *Aspicilia verrucigera*
verrucosa (Ach.) Laurer = *Megaspora verrucosa*
verrucosa f. *mutabilis* Ach. (Tuckerman 1882) = *Megaspora verrucosa*
versicolor (Pers.) Ach. = *Protoparmeliopsis muralis*
victoriae (F. Wilson) “Tibell” Erroneous creation by typographic error (in ver. 10), should be *Mycocalicium victoriae*
weberi B. D. Ryan = *Rhizoplaca weberi*
wetmorei Šliwa (Ryan et al. 2004) = *Myriolecis wetmorei*
xanthophaea Nyl. (Nylander 1891) = *Rinodina xanthophaea*, a Japanese species, not known for North America
xanthophana Nyl. = *Acarospora xanthophana*, but a misidentification for North America
xanthophana f. *dealbata* Tuck. (Tuckerman 1882) Identity uncertain
zosteræ (Ach.) Nyl. var. *zosteræ* = *Myriolecis zosteræ*
zosteræ var. *beringii* (Nyl.) Šliwa (Šliwa 2007b) = *Myriolecis zosteræ*
zosteræ var. *palanderi* (Vainio) Šliwa 2007b) = *Myriolecis zosteræ*

LECANOROPSIS M. Choisy

saligna (Schrader) M. Choisy = *Lecanora saligna*

LECIDEA Ach.

albofuscens Nyl.
anniculensis J. Lowe Possibly a syn. of *Brianaria lutulata* (Coppins & Fryday 2006b)
atomaria Th. Fr.
atrobrunnea (Ramond ex Lam. & DC.) Schaerer subsp. ***atrobrunnea***
atrobrunnea subsp. ***planaica*** Hertel & Leuckert (Hertel & Leuckert 2011)
atromarginata H. Magn.
atroviridis (Arnold) Th. Fr.
auriculata Th. Fr. subsp. ***auriculata*** (Hertel & Andreev 2003)
auriculata subsp. ***brachyspora*** Th. Fr. (Hertel & Andreev 2003)
baffiniana H. Magn.
berengeriana (A. Massal) Th. Fr. (Spribille et al. 2020)
betulicola (Kullh.) H. Magn. f. ***endamylea*** (Hedl.) Hintz. (Printzen & Tønsberg 1999)
brachyspora (Th. Fr.) Nyl.
brodoana Hertel & Leuckert (Hertel & Printzen 2004)
brunneofusca H. Magn.
californica Zahlbr.
carneoalbans Nyl.
carnulenta (Tuck.) Fink Syn.: *Biatora carnulenta*
cascadensis H. Magn.
cellularis Lowe

cerviniicola B. de Lesd. (Fryday 2020)
cinerata Zahlbr.
commaculans Nyl. (Fryday 2006)
confluens (Weber) Ach.
confluentula Müll. Arg. (Knudsen & Kocourková 2014b)
congesta Fink
coriacea Holien & Palice (Holien et al. 2016)
crassilabra Müll. Arg.
crisima Nyl.
cruciaria Tuck.
cyrtidia Tuck. (Harris 1997)
deplanaica (Hertel & Leuckert) McCune Syn.: *L. atroburnnea* ssp. *deplanaica* (McCune et al. 2017)
despecta Th. Fr.
diducens Nyl.
eckfeldtii Zahlbr.
ecrustacea (Anzi ex Arnold) Arnold
enalla Nyl. (Printzen 1995)
enterophaea Vainio
epiphaea Nyl. (Spribille et al. 2010)
erythrophaea Flörke ex Sommerf.
extenuata Vainio
flavidolivens (Tuck.) Fink Syn.: *Biatora flavidolivens*
formosa (Bagl. & Carestia) Knoph & Leuckert (Knudsen et al. 2017)
fuliginosa Taylor
furvonigrans (Tuck. ex Willey) Zahlbr. (Coppins & Fryday 2006b)
fuscatoatra Nyl.
fuscoatra (L.) Ach.
globulispora Nyl. (Spribille et al. 2020)
goniophiloides B. de Lesd.
griseomarginata Fryday (Spribille et al. 2020)
haerjedalica H. Magn. (Fryday 2004a)
hassei Zahlbr.
herteliana Fryday & Coppins (Fryday & Coppins 2012)
hoganii E. Tripp & Lendemer (Tripp & Lendemer 2015)
holopolia (Tuck.) Zahlbr. Syn.: *Biatora holopolia*
homosema Nyl.
hypomela Nyl.
intropallida Fink
katahdinensis Degel.
kingmanii (Hasse) Hertel & S. Ekman (Hertel & Printzen 2004)
laboriosa Müll. Arg. (Hertel 1995)
labradorica Arnold
lactea Flörke ex Schaerer (McCune et al. 2014b)
lapicida (Ach.) Ach. (Coppins 2002; Hertel & Andreev 2003)
leprarioides Tønsberg
leucothallina Arnold
lithophila (Ach.) Ach.
louisianae B. de Lesd.
lyngei Degel.
magnussonii Lynge (Dix 1956)
malmeana Zahlbr. (Spribille et al. 2010)
mamillana Tuck.
mannii Tuck.
meiocarpa Nyl. var. **tacomensis** Printzen & Tønsberg (Printzen & Tønsberg 1999)
melaphanoides Nyl.

merrillii H. Magn.
microps Tuck. (Fink 1935, Perlmutter & Greene 2005)
micytho Tuck. ex Willey (Coppins & Fryday 2006b)
moreliensis B. de Lesd.
mutabilis Fée Syn.: *Biatora mutabilis*
nearingii H. Magn.
nylanderi (Anzi) Th. Fr. Syn.: *Biatora nylanderi*
occidentalis Lyngé
olivascens Th. Fr.
oreophila K. Knudsen & Kocourk. (Knudsen & Kocourková 2014a)
pacifica Herre
paupercula Th. Fr. (Hertel & Andreev 2003)
peliaspis (Tuck.) Zahlbr. Syn.: *Biatora peliaspis*
perlatolica Hertel & Leuckert (Hertel & Printzen 2004)
phaeopelidna Vainio
phaeops Nyl.
picea Lyngé
plana (J. Lahm) Nyl.
plebeja Nyl. Syn.: *Biatora myriocarpoides*
polaris Lyngé
polycocca Sommerf.
populina Müll. Arg. ex Nyl. Syn.: *Micarea populina*
praenubila Nyl.
praetermissa Tønsberg
promiscens Nyl.
promiscua Nyl. (Fryday 2020)
protabacina Nyl.
pseudaglaea Hertel (Hertel & Printzen 2004)
pulla Lowe
pumicicola H. Magn.
ramulosa Th. Fr.
rivulorum H. Magn.
roseotincta Coppins & Tønsberg
rubrocastanea T. Sprib. & Printzen (Spribille & Printzen 2007)
sarcogynoides Körber (McMullin & Lendemer 2013)
sauteri Körber (Hertel & Printzen 2004)
scabridula Hedl. nom. illeg. (Spribille & Björk 2008)
silacea Ach.
somphoterella Vainio
steineri Hertel
strasseri Zahlbr. (Spribille et al. 2010)
stratura K. Knudsen & Lendemer (Knudsen et al. 2017)
strevleri T. Sprib. (Spribille et al. 2020)
subaglaea B. de Lesd.
subcandida H. Magn.
subfilamentosa (Zahlbr.) Fryday (Fryday 2008)
subrhagadiella Lyngé
swartzioidea Nyl.
syncarpa Zahlbr. (McCune 1998b)
tenayucae B. de Lesd.
tenuissima Lyngé
tessellata Flörke
tessellata var. **caesia** (Anzi) Arnold
theodori Lyngé
torquens Müll. Arg. = a species of *Lecanora*? (Printzen 1995)
trapeioides Printzen (Hertel & Printzen 2004)

truckeei Herre
turgidula Fr. Syn.: *Biatora turgidula*
umbonata (Hepp) Mudd
uniformis McCune (McCune et al. 2017)
varians Ach. Syn.: *Biatora varians*, *Pyrrhospora varians* (Hertel & Printzen 2004), *Lecidea subtilis* (Lendemer & Harris 2014c)
versicolor Schwein. (Printzen 1995)
xanthococcoides Zahlbr.
ablephora Nyl. = *Ramonia ablephora*
acclinis Flotow (Tuckerman 1888) = [Toninia populorum](#)
acrocyanea (Th. Fr.) H. Magn. = *Lecidella patavina*
adironackii H. Magn. = *Psilolechia clavulifera*
admiscens Nyl. = *Trapeliopsis glaucopholis*
aenea (Fr.) Nyl. = *Miriqidica garovaglio*
aeruginosa Borrer = *Trapeliopsis flexuosa*
aglaea Sommerf. = *Calvitimela aglaea*
aglaeida Nyl. = *Calvitimela aglaea*
ahlesii (Hepp) Nyl. (Harris 1995b) = *Bryobilimbia ahlesii*
ahlesii var. *nemoralis* (J. Lowe) Fryday & Coppins (Coppins & Fryday 2006b) = *Bryobilimbia ahlesii* var. *nemoralis*
aitema Ach. = *Lecanora aitema*
alaiensis Vainio = *Lecidella patavina*
alaskensis Nyl. = *Herteliana alaskensis*
albidocinerella (Vainio) Vainio = *Lecidella effugiens*
albocaerulescens (Wulfen) Ach. = *Porpidia albocaerulescens*
albocaerulescens var. *flavocaerulescens* (Hornem.) Schaerer = *Porpidia flavicunda*
[albohyalina](#) (Nyl.) Th. Fr. = [Mycobilimbia albohyalina](#)
albonigra H. Magn. = *Lecidella carpathica* (Coppins & Fryday 2006b)
albosuffusa Th. Fr. = *Farnoldia jurana*
aleutica Degel. = *Fuscidea aleutica*
[alpestris](#) Sommerf. = [Protomicarea alpestris](#)
amabilis B. de Lesd. = *Carbonea latypizodes*
amaurospoda (Anzi) Vainio = *Frutidella furfuracea*
"amylacea Ach. 1810" nom. illeg. Probably refers to *Lecanora marginata*
aniptiza Stirton = *Micarea denigrata*
anthracophila Nyl. = *Carbonicola anthracophila*
antoniensis H. Magn. = *L. hassei*
apochroeiza Nyl. = *Biatora subduplex*
arctica Sommerf. = *Frutidella caesioatra*
arctogena (Th. Fr.) H. Olivier = *Calvitimela testaceoatra*
arcuatula (Arnold) Nyl. = *Fuscidea recensa* var. *arcuatula*
armeniaca (DC.) Fr. = *Calvitimela armeniaca*
aromatica (Turner) Turner (Tuckerman 1888) = [Toniniopsis aromatica](#)
assimilata Nyl. = *Micarea assimilata*
assimilis (Körber) Th. Fr. = *Carbonea assimilis*
associata Th. Fr. = *Geltingia associata*
atrata (Ach.) Wahlenb. = *Tremolecia atrata*
atrobrunnea subsp. *deplanaica* Hertel & Leuckert (Hertel & Leuckert 2011) = *L. deplanaica* (McCune et al. 2017)
atrobrunnea subsp. *saxosa* Hertel & Leuckert (Hertel & Printzen 2004) = *L. syncarpa* (McCune et al. 2014b)
atrobrunnea subsp. *stictica* Hertel & Leuckert (Hertel & Printzen 2004) = *L. protabacina* (McCune et al. 2014b)
atrofulva Sommerf. = *Miriqidica atrofulva*
atofusca (Hepp) Mudd = *Bryobilimbia hypnorum*
atrolutescens Nyl. = *L. manni*

atronivea Arnold = Carbonea atronivea
 austrocalifornica Zahlbr. = Carbonea latypizodes
 berengeriana (A. Massal.) Nyl. (Hertel & Printzen 2004) = Mycobilimbia berengeriana
 botryosa (Fr.) Th. Fr. = Hertelidea botryosa
 brandegei Tuck. = [Lecanora brandegeei \(Davydov et al. 2021a, 2021b\)](#)
 breviuscula Nyl. (Tuckerman 1888) = Phyllopsora breviuscula
 brouardii (B. de Lesd.) Zahlbr. = Psorula rufonigra
 brujeriana (Schaerer) Leighton = Ainoa mooreana, but a misidentification for North America
 cadubriae (A. Massal.) Nyl. = Lecanora cadubriae
 caeca J. Lowe = Lambiella caeca
 caesioatra Schaerer = Frutidella caesioatra
 caesiocoronata J. Lowe = Lecidea olivascens (Degelius 1957); belongs to Lecanora according to Printzen (1995)
 calcivora (Ehrh.) Nyl. = Clauzadea immersa
 candida (Weber) Ach. (Tuckerman 1888) = Toninia candida
 carbonioidea J. W. Thomson = Immersaria carbonioidea
 carpathica (Körber) Szatala = Lecidella carpathica
 catalinaria Stizenb. = Lecidella asema
 caudata Nyl. (Fink 1935) = Ropalospora lugubris
 caulophylla (Tuck.) Zahlbr. = a Lecanora sp.
 chalybeiza Nyl. = Leimonis erratica
 cinereoatra Ach. = Porpidia cinereoatra
 cinereorufa Schaerer = Schaereria cinereorufa
 cinnabarina Sommerf. = Ramboldia cinnabarina
 circumnigrata H. Magn. = Miriquidica pulvinatula
 circumnigrata var. reagens H. Magn. = Miriquidica lulensis
 cladonioides Th. Fr. (Tuckerman 1888) = Carbonicola anthracophila
 coarctata (Turner ex Sm.) Nyl. = Trapelia coarctata
 coeruleonigrans auct. (Tuckerman 1888) = [Thalloidima sedifolia](#)
[cohibilis Nyl. \(Nylander 1891\) = Buellia mamillana \(Bungartz et al. 2004a\)](#)
 colludens Nyl. = Rhizocarpon hochstetteri
 columbiana H. Magn. = L. tessellata
 columnata J. Lowe = Cecidonia xenophana
 conferenda Nyl. = Adelolecia kolaensis
 contigua Fr. = Porpidia macrocarpa
 contigua var. convexella (Wainio) Fink (Claassen 1917) = Porpidia macrocarpa
 contigua var. hydrophila (Fr.) Fr. (Tuckerman 1888) = Porpidia hydrophila (Fr.) Hertel & A. J. Schwab, but not confirmed for N.A.
 coroniformis Kremp. = Psora crenata
 crassipes (Th. Fr.) Nyl. = Helocarpon crassipes
 crenata (Taylor) Stizenb. = Psora crenata
 crustulata (Ach.) Sprengel = Porpidia crustulata
 cuprea Sommerf. = Biatora cuprea
 cuprea var. berengeriana (A. Massal.) Leighton (Tuckerman 1888) = Mycobilimbia berengeriana
 cyanea (Ach.) Rohl. = L. tessellata
 cyanescens Lynge = L. lapicida
 cyathoides (Ach.) Ach. = Fuscidea cyathoides, but a misidentification for North America
 cyrtella Ach. = Lecania cyrtella
 decipiens (Hedwig) Ach. = Psora decipiens
 degelii H. Magn. = Porpidia degelii (Lendemer & Harris 2014c)
 delincta Nyl. = Bryobilimbia ahlesii (Arup 2004, Fryday et al. 2014)
 declinis Tuck. = Catillaria nigroclavata (Ekman 1996)
 deminutula H. Magn. = Lecidella enteroleucella (Lendemer et al. 2019a)
 demissa (Rutstr.) Ach. = Lecidoma demissum
[destituta Nyl. \(Nylander 1891\) = Rinodina moziana \(Sheard 2018\)](#)
 deustata Zahlbr. = Miriquidica deusta

diapensiae Th. Fr. = Bryobilimbia diapensiae
 dicksonii auct. = Tremolecia atrata
 dicksonii (Gmelin) Ach. = nomen dubium
 dilutiuscula Nyl. = Brianaria bauschiana
 diversa J. Lowe = Porpidia contraponenda
 dolodes Nyl. = Schaeraria dolodes
 efflorescens (Hedl.) Erichsen = Biatora efflorescens
 elabens Fr. = Ramboldia elabens
 elaeochroma (Ach.) Ach. = Lecidella elaeochroma
 elata Schaerer = Lecanora marginata
 elegantior H. Magn. = Amygdalaria elegantior
 ementiens Nyl. = *Myrionora* ementiens (Kondratyuk et al. 2019)
 endolitheia Lynge = Lecidella patavina
 enteroleuca auct. = Lecidella spp.
 enteroleuca Ach. (Tuckerman 1888) = Melaspilea enteroleuca (Ach.) Ertz & Diederich, but not confirmed for N.A.
 enteroleuca var. achrista (Sommerf.) Tuck. (Tuckerman 1888) Identity uncertain
 enteroleuca var. aequata (Flörke) Tuck. (Tuckerman 1888) Identity uncertain
 enteroleuca var. ambigua “Anzi” (Tuckerman 1888) Identity uncertain
 enteroleuca var. flavida Fr. (Tuckerman 1888) Identity uncertain
 enteroleuca var. theioplaca Tuck. (Tuckerman 1888) Identity uncertain
 epiiodiza Nyl. = Schaereria endocyanea
 epixanthoidiza Nyl. nom. rej. prop. = Biatora efflorescens
 erratica Körber = Leimonis erratica
 euphorea (Flörke) Nyl. = Lecidella euphorea
 evansii H. Magn. = Lecidella carpathica
 fissuriseda Poelt = Mycobilimbia fissuriseda
 flavocaerulescens Hornem. = Porpidia flavicunda
 #Lecidea flavovirescens Borrer (Tuckerman 1888) = #Arthrorhaphis citrinella
 flexuosa (Fr.) Nyl. = Trapeliopsis flexuosa
 floridensis Nyl. = Malmidea floridensis (Cáceres et al. 2017)
 friesii Ach. = Xylopsora friesii
 fumosa (Hoffm.) Ach. (Tuckerman 1888) = Lecidea fuscoatra
 furfuracea Pers. = Phyllopsora furfuracea
 furfurosa Tuck. ex Nyl. = Malmidea furfurosa
 furva J. Lowe = Miriquidica plumbeoatra (Coppins & Fryday 2006b)
 furvella Nyl. ex Mudd = Lambiella furvella
 fusca (Schaerer) Th. Fr. = Bryobilimbia hypnorum
 fuscescens Sommerf. = Lecanora fuscescens
 fuscoatrina Hertel & Leuckert (Hertel & Printzen 2004) = L. cascadenis (Hutten et al. 2013)
 fuscocinerea Nyl. = Schaereria fuscocinerea
 fuscocinerea (Nyl.) Nyl. (Fink 1935) = Clauzadea monticola (Scholz 2000)
 garovaglioii Schaerer = Miriquidica garovaglioii
 gelatinosa Flörke = Trapeliopsis gelatinosa
 geophana Nyl. = Steinia geophana
 glaucophaea Körber = Porpidia rugosa (Fryday 2005)
 glaucopholis Nyl. = Trapeliopsis glaucopholis
 glebulosa (Fr.) Clem. = Trapeliopsis wallrothii, but misidentifications for North America
 globulosa Flörke = *Myrionora* globulosa
 globifera Ach. = Psora globifera
 glomerulosa (DC.) Steudel = Lecidella euphorea
 goniophila auct. = Lecidella anomaloides
 granosa Tuck. = Bacidia granosa (Ekman 2014)
 granulata H. Magn. = Lecidella granulata
 granulosa (Hoffm.) Ach. = Trapeliopsis granulosa
 granulosa var. phyllizans Zahlbr. = Trapeliopsis glaucopholis

gregaria G. Merr. = *Trapelia glebulosa*
 grisella Flörke ex Schaerer = *L. fuscoatra*
 griseoatra (Flotow) Schaerer (Fink 1935) = *Miriquidica subplumbea*
 gyrodes H. Magn. = *Fuscidea recensa* var. *arcuatula*
 gyalizella Nyl. = *Gyalecta gyalizella* (Baloch et al. 2013a)
 gyrophoroides Sprengel (Fink 1935) Identity uncertain (Esslinger & Tucker 2009)
 hebescens Nyl. = *Porpidia albocaerulescens* (Lendemer 2004a)
 helvola (Körber) Th. Fr. = *Biatora helvola*
 helvola var. *longispora* Degel. = *Biatora longispora*
 heppii R. A. Anderson & W. A. Weber = *Lecidella wulfenii*
 homalodes Nyl. = *L. tessellata* Flörke (Hertel 1991)
 humilis J. Lowe = *Miriquidica plumbeoatra*
 humosa (Hoffm.) Nyl. = *Placynthiella uliginosa*
 hypnorum Lib. = *Bryobilimbia hypnorum*
 hypocrita A. Massal. = *Farnoldia hypocrita*
 hypopta Ach. = *Lecanora hypopta*
 icterica (Mont.) Taylor = *Psora icterica*
 impavida Th. Fr. = *Lambiella impavida*
 insidians Nyl. (Nylander 1891) = *Buellia insidians*, but identity uncertain
 instrata Nyl. = *Miriquidica instrata*
 insularis Nyl. = *Lambiella insularis*
 intermediella Nyl. (Tuckerman 1888) N.A. report is *Phyllopsora parvifolia*
 intermixta Nyl. (Tuckerman 1888) = *Catinaria atropurpurea*
 intermixta var. *lignaria* Nyl. (Tuckerman 1888) = *Catinaria purpurea*
 internectens Nyl. = *Biatora subduplex*
 interponens Nyl. (Nylander 1891) Illegitimate later homonym; identity uncertain
 intrudens H. Magn. = *Carbonia intrudens* (Dillman et al. 2012)
 intumescens (Flotow) Nyl. = *Lambiella insularis*
 jurana Schaerer = *Farnoldia jurana*
 kochiana Hepp = *Fuscidea kochiana*, but apparently a misidentification for N.A. (Fryday 2008)
 kochiana var. *subreagens* H. Magn. = *Fuscidea scrupulosa*
 lacus-crateris H. Magn. = *Lecidella stigmataea*
 lapicida Fr. var. *oxydata* Fr. (Tuckerman 1888) Identity uncertain
 lapicida var. *pantherina* Ach. (Hertel & Andreev 2003) = *L. lactea* (Coppins 2002)
 latypea auct. non Ach. = *Lecidella carpathica*
 latypea Ach. = *L. plana*
 latypiza Nyl. = *Lecidella carpathica*
 laureri (Hepp) Anzi = *Lecidella laureri*
 laureri (Hepp ex Th. Fr.) Leighton = *Megalaria laureri*
 lepidastra Tuck. = *Buellia lepidastra*
 leptoboloides Nyl. = *L. laboriosa*
 leucoblephara Nyl. (Tuckerman 1888) = *Byssoloma leucoblepharum*
 leucophaea (Flörke ex Rabenh.) Nyl. = *Miriquidica leucophaea*
 leucophaeoides Nyl. = *Miriquidica leucophaeoides*
 limborina (Nyl.) Lamy = *Rimularia limborina*
 limitata auct. = *Lecidella elaeochroma*
 limosa Ach. = *Protomicarea limosa*
 lithospersa Zahlbr. = *Farnoldia hypocrita*
 lividula Nyl. (Nylander 1891) Identity uncertain; a later homonym of *L. lividula* Müll. Arg.
 longiuscula Nyl. (Tuckerman 1888) N.A. report is *Phyllopsora parvifolia*
 lopadioides (Th. Fr.) Grumann = *Ainoa mooreana*, but a misidentification for North America
 lowensis H. Magn. = *Fuscidea lowensis*
 lucida (Ach.) Ach. = *Psilolechia lucida*
 lugubris Sommerf. = *Ropalospora lugubris*
 lulensis (Hellbom) Stizenb. = *Miriquidica lulensis*
 lurida (Ach.) DC. = *Romularia lurida*

luridella Tuck. = *Psora luridella*
 luteola (Schrader) Ach. var. *arceutina* Ach. (Tuckerman 1888) = *Bacidia arceutina*
 lynceola Th. Fr. = *Micarea lynceola*, but a misidentification for N. America (Coppins & Fryday 2006b)
 lynceola auct. N. Am. = *Brinaria bauschiana* (Coppins & Fryday 2006b)
 lyngeana Zahlbr. = *Adelolecia pilati*
 macrocarpa (DC.) Steudel = *Porpidia macrocarpa*
 macrocarpa var. *trullisata* (Arnold) Mig. = *Porpidia zeoroides*
 mamillaria Tuck. (Mohr 1901) Apparent typographical error for *L. mamillana*
 manni Tuck. (Esslinger & Tucker 2009) Orthographic variant of *L. manni*
 marciensis J. Lowe = *Miriquidica pycnocarpa* (Coppins & Fryday 2006b)
 marginata Schaerer = *Lecanora marginata*
 marylandensis H. Magn. = *Miriquidica leucophaea* (Coppins & Fryday 2006b)
 massata Tuck. (Tuckerman 1888) = [Thalloidima massatum](#)
 medialis Tuck. ex Nyl. = [Bacidina medialis](#)
 meiocarpa Nyl. = *Biatora meiocarpa*
 meiocarpa var. *tacomensis* Printzen & Tønsberg = *Biatora meiocarpa* var. *tacomensis*
 melancheima Tuck. = *Ramboldia elabens*
 melinodes (Körber) H. Magn. ex Lyng = *Porpidia melinodes*
 micacea Körber = *Lecidella stigmata*
 michenerii (Tuck.) Identity uncertain (Esslinger & Tucker 2009)
 minuta (Nyl.) Nyl. = *Biatora meiocarpa*
 misella (Nyl.) Nyl. = *Micarea misella*
 mollis (Wahlenb.) Nyl. = *Fuscidea mollis*
 monticola Ach. = *Clauzadea monticola*
 morio (Duby) Fr. (Tuckerman 1888) Identity uncertain
 morio var. *coracina* Schaerer (Tuckerman 1888) Identity uncertain
 mundula Müll. Arg. = *Lecanora oreinodes* (Rambold 1989)
 myriocarpella (G. Merr.) Zahlbr., nom. illeg., probable synonym of *Lecidea enalla* (Printzen 1995)
 myriocarpoides Nyl. = *L. plebeja*
 myrmecina Fr. (Tuckerman 1888) = *Xylopsora friesii*
 neglecta Nyl. (Fink 1935) = *Lepraria neglecta*
 nemoralis J. Lowe = *Bryobilimbia ahlesii* var. *nemoralis*
 nivalis Anzi = *Farnoldia micropsis*
 novomexicana (B. de Lesd.) W. A. Weber ex R. A. Anderson = *Psora nipponica*
 oblongula H. Magn. = *Caloplaca oblongula*
 obtegens Th. Fr. = *Trapelia obtegens*
 occidentalis Lyng = *L. tessellata* (Hertel 1991)
 ochrococca Nyl. = *Protoparmelia ochrococca*
 ochrophora Nyl. = *Piccolia ochrophora*
 oligotropha J. R. Laundon = *Placynthiella oligotropha*
 olivacea (Hoffm.) A. Massal. = *Lecidella elaeochroma*
 olivacea var. *inspersa* Degel. = *Lecidella elaeochroma* (Lendemer et al. 2019a)
 oreinodes (Körber) W. A. Weber & Hertel = *Lecanora oreinoides*
 ornata (Sommerf.) Hue = *Trapelia glebulosa*
 orosthea (Ach.) Ach. = *Lecanora orosthea*
 ostreata (Hoffm.) Schaerer = *Hypocenomyce scalaris*
 *oxyspora (Tul.) Nyl. = [Nesolechia oxyspora](#)
 paddensis (Tuck.) Zahlbr. = *Lecanora paddensis* (McCune et al. 2014b)
 pallida Th. Fr. = *Pilophorus dovrensis*
 panaeola (Ach.) Ach. = *Amygdalaria panaeola*
 pantherina (Ach.) Th. Fr. = *L. lactea*
 parasema (Ach.) Ach. (Fink 1935) = *Lecidella elaeochroma* (Scholz 2000)
 parasemella Nyl. = *Schaereria parasemella*
 parvifolia Pers. = *Phyllopsora parvifolia*
 parvifoliella Nyl. (Tuckerman 1888) = *Phyllopsora parvifoliella*

patellarioides Nyl. (Tuckerman 1888) = *Bactrospora patellarioides*
 "pelobotrion" = *Amygdalaria pelobotryon*
 pelobotrya (Wahlenb.) Leighton = *Amygdalaria pelobotryon*
 petri (Tuck.) Zahlbr. = *Romjularia lurida*
 phaeophora Stizenb. = *Lecanora phaeophora*
 phylliscina Nyl. = *Porpidia macrocarpa*
 pilati (Hepp) Körber = *Adelolecia pilati*
 placidensis H. Magn. = *Lecanora placidensis*
 planetica Tuck. ex Willey = *Leimonis erratica*
 platycarpa Ach. = *Porpidia macrocarpa*
 plumbeoatra Vainio = *Miriquidica plumbeoatra*
 polycarpa Flörke (Fink 1935) = *L. lapicida* (Santesson et al. 2004)
 porphyrospoda (Anzi) Th. Fr. = *Myochroidea porphyrospoda*
 praeruptorum Du Rietz & H. Magn. = *Fuscidea praeruptorum*
 prasinula (Wedd.) B. de Lesd. = *Lecidella scabra*
 pringlei Tuck. = [Pulvinora pringlei \(Davydov et al. 2021a\)](#)
 pruinosa Ach. = *L. lithophila*
 pulcherrima Vainio = *Anamylopsora pulcherrima*
 pullata (Norman) Th. Fr. (Jørgensen et al. 2002) = *Frutidella furfuracea*
 pullula (Tuck.) Zahlbr. = *Lecanora anopta*
 punctella (Willey) Zahlbr. = *Micarea rhabdogena*
 purissima Darb. = *Lecanora marginata*
 pycnocarpa (Körber) Ohlert = *Miriquidica pycnocarpa*
 quadricolor (Dickson) Borrer = *Trapeliopsis granulosa*
 querneae (Dickson) Ach. = *Pyrrhospora querneae*
 ramulicola H. Magn. = *Lecanora cadubriae*
 recedens Nyl. = a non-lichenized fungus
 recensa Stirton = *Fuscidea recensa*
 rhaetica Hepp ex Th. Fr. = *Farnoldia micropsis*
 rivulosa Ach. = *Fuscidea cyathoides*, but a misidentification for North America
 rubiformis (Ach.) Wahlenb. = *Psora rubiformis*
 rufofusca (Anzi) Nyl. = *Myochroidea rufofusca*
 rufonigra (Tuck.) Nyl. = *Psorula rufonigra*
 ruginosa Tuck. (Tuckerman 1888) = [Bibbya ruginosa](#)
 rugosa J. Lowe = *Schaereria cinereorufa* (Coppins & Fryday 2006b)
 russellii Tuck. = *Psora russellii*
 russula Ach. = *Ramboldia russula*
 salweyi Borrer (Tuckerman 1888) = *Trapeliopsis wallrothii*, a misidentification for N.A. (McCune et al. 2002)
 sanguineoatra sens. Nyl. = *Bryobilimbia hypnorum*
 santae-monicae H. Magn. = *L. laboriosa* (Knudsen & Lendemer 2005a)
 santensis Tuck. = *Phyllopsora santensis*
 saxosa R. A. Anderson = *L. syncarpa* (Hertel 1995, Leuckert & Hertel 2003)
 scabra Taylor = *Lecidella scabra*
 scalaris (Ach. ex Lilj.) Ach. = *Hypocenomyce scalaris*
 schizopeltica Hertel & Leuckert (Hertel & Printzen 2004, Hertel & Leuckert 2011) = *L. truckeei* (Lendemer & Knudsen 2007)
 scholanderi Lyngby = [Kiliasia tristis](#)
 scotopholis (Tuck.) Herre = *Miriquidica scotopholis*
 scrobiculata Th. Fr. = *Lecanora scrobiculata* (Elix & Øvstedal 2004)
 scrupulosa (Eckfeldt) H. Magn. = *Fuscidea scrupulosa*
 shushanii J. W. Thomson = *Lecidea aglaeida* (Haugan & Timdal 1994) = *Calvitimela aglaea* (Hertel & Andreev 2003)
 sordidescens Nyl. (Tuckerman 1888) = *Micarea prasina*
 soledifera J. Lowe = *Porpidia macrocarpa* (Coppins & Fryday 2006b)
 solediza Nyl. = *Porpidia tuberculosa*

soredizodes (Lamy ex Nyl.) Vainio = Porpidia soredizodes
spadicea Ach. (Tuckerman 1888) = Bacidia [suffusa \(Ekman 1996\)](#)
speirea (Ach.) Ach. = Porpidia speirea
sphacelata Th. Fr. = Lambiella sphacelata
[sphaerella Hedl. = Coppinsidea sphaerella \(Konratyuk et al. 2019\)](#)
squalida Ach. (Tuckerman 1888) = Tonina squalida
squalida var. caulescens (Anzi) Nyl. (Tuckerman 1888) = Tonina squalida
stenotera (Nyl.) Nyl. = L. alpestris
steriza (Ach.) Vainio = Porpidia macrocarpa
stigmatea Ach. = Lecidella stigmatea
suballinita Nyl. = Micarea ternaria (Nyl.) Vězda (Printzen 1995)
subauriculata B. de Lesd. non Lyngé = Lecidella spp.
subauriculata Lyngé non B. de Lesd. = Adelolecia pilati
subcinnabarina Tønsberg = Pyrrhospora subcinnabarina
subcontinuior B. de Lesd. = Carbonea latypizodes
subduplex (Nyl.) Nyl. = Biatora subduplex
suberratica J. Lowe = Micarea erratica
sublimosa Nyl. = Megalaria jemtlandica
subplebeia Nyl. = Carbonea latypizodes
subplebeja Vainio This name (a corticolous Brazilian taxon) was first added to the North American checklist in the 1960 Hale & Culberson version, apparently erroneously replacing L. subplebeia Nyl. (a saxicolous California taxon) which had been in the 1956 version.
subplumbea Anzi = Miriquidica subplumbea
subramosa J. Lowe = Toninia squalescens (Coppins & Fryday 2006b)
subsimplax H. Magn. = Porpidia subsimplax
subsorediza Lyngé = Bellemerea subsorediza
[subspadicea Nyl. \(Nylander 1891\) = Bacidia polychroa \(Ekman 1996\)s](#)
subtilis Degel. = Lecidea varians (Lendemer & Harris 2014c)
sulphurea (Hoffm.) Wahlenb. = Lecanora sulphurea
sylvana (Körber) Th. Fr. = [Myrionora globulosa](#)
sylvicola Flotow = Brianaria sylvicola
symmicta (Ach.) Ach. = Lecanora symmicta
symmictella Nyl. (Spribille & Björk 2008) = Puttea caesia (Dillman et al. 2012)
templetonii Taylor = Bryobilimbia hypnorum
tenebrosa Flotow = Schaereria fuscocinerea
tennessensis Nyl. = Lecanora oreinoides
tesselina Tuck. = Lecanora oreinoides
testacea (Hoffm.) Ach. = Psora testacea, but not included in the North American flora.
texana W. A. Weber = Xanthopsorella texana
tornoënsis Nyl. = Japewia tornoënsis
tricolor (With.) Nyl. (Tuckerman 1888) = Cliostomum griffithii
trochodes (Taylor ex Leighton) Crombie = Rimularia limborina
tuckeei Herre (Fink 1935) Apparent typographic error for L. truckeei
tumida A. Massal. = Porpidia tuberculosa
uliginosa (Schrader) Ach. = Placynthiella uliginosa
ultima Th. Fr. = Cephalophysia leucospila
umbonella Nyl. = Cecidonia umbonella
vacciniicola Tønsberg = [Myrionora vacciniicola \(Konratyuk et al. 2019\)](#)
variegata Fr. (Tuckerman 1888) = Lecidea lactea
vernalis (L.) Ach. = Biatora vernalis
vernalis (L.) Ach. var. turgidula (Fr.) Nyl. (Tuckerman 1888) = Lecidea turgidula
verncoma Tuck. = Buellia verncoma
violascens H. Magn. = L. laboriosa (Knudsen & Lendemer 2005a)
virginiensis Calk. & Nyl. = Bryobilimbia ahlesii (Lendemer et al. 2019a)
viridans (Flotow) Lamy = Lecidella viridans
viridescens (Schrader) Ach. = Trapeliopsis viridescens

*vitellinaria Nyl. = Carbonea vitellinaria
vorticosa (Flörke) Körber = Carbonea vorticosa
vulgata Zahlbr. = Lecidella stigmatea
wallrothii Flörke ex Sprengel = Trapeliopsis wallrothii, but misidentifications for North America
washingtonensis H. Magn. = L. cascadenis
wulfenii (Hepp) Arnold = Lecidella wulfenii
xanthococca Sommerf. = Pycnora xanthococca
ypocrita A. Massal. = Farnoldia hypocrita
zahlbruckneri Fink = Lecidella latypiza (Knoph & Leuckert 1994)

LECIDELLA Körber

anomaloides (A. Massal.) Hertel & H. Kiliyas Syn.: Lecidea goniophila auct.
asema (Nyl.) Knoph & Hertel Syn.: Lecidea catalinaria
bullata Körber
carpathica Körber Syns.: Lecidea latypiza, L. carpathica, L. latypea auct., L. evansi, L. albonigra
chiricahuana Knoph & Leuckert (Knoph & Leuckert 2004)
#**dimelaenophila** Hertel
effugiens (Nilson) Knoph & Hertel Syn.: Lecidea albidocinerella
elaeochroma (Ach.) M. Choisy Syns.: Lecidea elaeochroma, L. olivacea, L. limitata auct.
enteroleucella (Nyl.) Hertel Syn.: Lecidea deminutula
euphorea (Flörke) Hertel Syns.: Lecidea euphorea, L. glomerulosa
flavosorediata (Vězda) Hertel & Leuckert
granulata (H. Magn.) R. C. Harris Syn.: Lecidea granulata
granulosula (Nyl.) Knoph & Leuckert (Knoph & Leuckert 2004)
latypiza (Nyl.) M. Choisy
laureri (Hepp) Körber (Goward et al. 1996) Syns.: Biatora laureri, Lecidea laureri
meiococca (Nyl.) Leuckert & Hertel
nashiana Knoph & Leuckert (Knoph & Leuckert 2004)
patavina (A. Massal.) Knoph & Leuckert Syns.: Lecidea acrocycanea, L. alaiensis, L. endolitheia
pulveracea (Flörke ex Th. Fr.) P. Sydow (Laundon 2005)
scabra (Taylor) Hertel & Leuckert Syns.: Lecidea scabra, L. prasinula
stigmatea (Ach.) Hertel & Leuckert Syns.: Bacidia arthoniza, Lecidea micacea, L. stigmatea, L. vulgata, L. lacus-crateris
[**Lecidea subauriculata** B. de Lesd. non Lyngé]
subviridis Tønsberg (Coppins & Fryday 2006b)
tumidula (A. Massal.) Knoph & Leuckert (Knoph & Leuckert 2004)
viridans (Flotow) Körber Syn.: Lecidea viridans
wulfenii (Hepp) Körber Syns.: Lecidea heppii, L. wulfenii
alaiensis (Vainio) Hertel = L. patavina
chodatii (Samp.) Knoph & Leuckert = L. granulosula
elaeochromoides (Nyl.) Knoph & Hertel = L. asema
enteroleuca auct. = various Lecidella spp.
glomerulosa (DC.) M. Choisy = L. euphorea
goniophila auct. = L. anomaloides
inamoena (Müll. Arg.) Hertel = L. patavina
incongruella (Vainio) Hertel & Leuckert = L. effugiens placidensis (H. Magn.) R. C. Harris = Lecanora placidensis (Knoph & Leuckert 1994)
prasinula (Wedd.) Hertel = L. scabra
pyncocarpa Körber = Miriquidica pyncocarpa
spitsbergensis (Lyngé) Hertel & Leuckert = L. patavina
subincongrua (Nyl.) Hertel & Leuckert var. elaeochromoides (Nyl.) Hertel & Leuckert = L. asema

LECIDOMA Gotth. Schneider & Hertel

demissum (Rutstr.) Gotth. Schneider & Hertel Syns.: Biatora atrorufa, Lecidea demissa, Lepidoma demissum, Psora demissa

LECIOGRAPHA A. Massal. = OPEGRAPHA

- **glaucomaria* (Nyl.) H. Olivier = *Phacographa glaucomaria*
- **glaucomarioidea* (Willey) Fink (Fink 1935) = *Sclerococcum glaucomarioides*
- **inspersa* (Tul.) Rehm = possibly *Sclerococcum parasiticum*
- **lamyi* (O. J. Rich. ex Nyl.) Sacc. & D. Sacc. = *Opegrapha lamyi*
- **parasitica* A. Massal. = *Opegrapha rupestris*
- **pertusariicola* (Willey ex Tuck.) Fink = *Sclerococcum pertusariicola*
- **urceolata* (Fr.) Körber = *Sclerococcum urceolatum*

LECIOPHYSMA Th. Fr.

- finmarkicum** Th. Fr.
- furfurascens** (Nyl.) Gyelnik
- saximontanum** (T. Sprib., P. M. Jørg. & M. Schultz) P. M. Jørg., Wedin & S. Ekman Syn.: *Santessoniella saximontana* (Ekman et al. 2014)

LEIGHTONIOMYCES D. Hawksw. & B. Sutton

- #**phillipsii** (Berk. & Leighton) D. Hawksw. & B. Sutton (McCune & Stone 2009)

LEIMONIS R. C. Harris (Harris 2009)

- erratica** (Körber) R. C. Harris & Lendemer Syn.: *Lecidea chalybeiformis*, *L. erratica*, *L. suberratica*, *Micarea erratica*

LEIODERMA Nyl.

- cherokeense** P. M. Jørg. (Jørgensen & Tønsberg 2005)
- sorediatum** D. J. Galloway & P. M. Jørg.

LEIORREUMA Eschw.

- erodens** F. Seavey & J. Seavey (Seavey et al. 2017)
- exaltatum** (Mont. & Bosch) Staiger Syn.: *Graphis diversa*, *Phaeographis exaltata* (Staiger 2002)
- explicans** (Fink) Lendemer Syn.: *Phaeographina explicans* (Lendemer & Knudsen 2008b)
- patellulum** (Fée) Staiger Syn.: *Phaeographis patellula* (Esslinger & Tucker 2009)
- sericeum** (Eschw.) Staiger Syn.: *Phaeographis sericea* (Staiger 2002)

LEMMOPSIS (Vainio) Zahlbr.

- arnoldiana** (Hepp) Zahlbr. (Schultz 2002d)

LEMPHOLEMMA Körber

- chalazanum** (Ach.) B. de Lesd. Syn.: *Collema chalazanum*, *Collemopsis segregata*, *Psorotichia segregata* (Schultz 2007b)
- cladodes** (Tuck.) Zahlbr. Syn.: *Collema cladodes*
- intricatum** (Arnold) Zahlbr.
- isidiodes** (Nyl. ex Arnold) H. Magn.
- minutulum** (Bornet) Zahlbr. (Spribille et al. 2020)
- oblique-peltatum** (Eschw.) C. W. Dodge
- polyanthes** (Bernh.) Malme Syn.: *Collema myriococcum*
- radiatum** (Sommerf.) Henssen
- syreniarum** C. J. Lewis & M. Schultz (Lewis & Schultz 2020)
- umbella** (Tuck.) Zahlbr. Syn.: *Omphalaria umbella*
- vesiculiferum** Henssen
- albonigrum* H. Magn. = *L. cladodes*
- fennicum* (Räsänen) Degel. (Goward 1999) = *L. intricatum*
- myriococcum* (Ach.) Th. Fr. = *L. polyanthes*

LEPIDOCOLLEMA Vainio

- marianum** (Fr.) P. M. Jørg. Syn.: *Pannaria mariana*, *Parmeliella mariana* (Ekman et al. 2014)
- Uncertain for North America (Jørgensen 2000c)

stylophorum (Vainio) P. M. Jørg. Syns.: *Pannaria stylophora*, *Parmeliella stylophorum* (Ekman et al. 2014)

LEPIDOMA (Ach.) Gray

demissum (Rutstr.) M. Choisy = *Lecidoma demissum*

LEPRA Scop. (Hafellner & Türk 2016, Lendemer & Harris 2017)

albescens (Hudson) Hafellner Syns.: *Pertusaria albescens*, *P. globulifera*, *P. scutellaris*

amara (Ach.) Hafellner Syns.: *Pertusaria amara*, *Variolaria amara*

andersoniae (Lendemer) Lendemer & R. C. Harris Syn.: *Pertusaria andersonii*

commutata (Müll. Arg.) Lendemer & R. C. Harris Syns.: *Pertusaria commutata*, *P. copiosa*

dactylina (Ach.) Hafellner Syn.: *Pertusaria dactylina*

excludens (Nyl.) Hafellner Syn.: *Pertusaria excludens*

floridana (Dibben) Lendemer & R. C. Harris Syn.: *Pertusaria floridana*

hypothamnolica (Dibben) Lendemer & R. C. Harris Syn.: *Pertusaria hypothamnolica*

multipunctoides (Dibben) Lendemer & R. C. Harris Syns.: *Pertusaria multipunctoides*, *Variolaria multipunctoides*

ophthalmiza (Nyl.) Hafellner Syns.: *Pertusaria lecanina* subsp. *nigra*, *P. ophthalmiza*, *Variolaria ophthalmiza*

panyrga (Ach.) Hafellner Syn.: *Pertusaria panyrga*

pustulata (Brodo & W. Culb.) Lendemer & R. C. Harris Syns.: *Haematomma pustulatum*, *Loxospora pustulata*, *Variolaria pustulata*

subdactylina (Nyl.) Lendemer & R. C. Harris Syn.: *Pertusaria subdactylina*

subvelata (G. K. Merr.) T. Sprib. Syn.: *Pertusaria subvelata* (Spribille et al. 2020)

trachythallina (Erichsen) Lendemer & R. C. Harris Syns.: *Pertusaria trachythallina*, *Variolaria trachythallina*

ventosa (Malme) Lendemer & R. C. Harris Syn.: *Pertusaria ventosa*

waghornei (Hulting) Lendemer & R. C. Harris Syns.: *Pertusaria waghornei*, *Variolaria waghornei*

LEPRARIA Ach.

albicans (Th. Fr.) Lendemer & Hodkinson Syns.: *Leprocaulon albicans*, *Stereocaulon albicans* (Lendemer & Hodkinson 2013)

arbuscula (Nyl.) Lendemer & Hodkinson Syns.: *Leprocaulon arbuscula*, *Stereocaulon arbuscula* (Lendemer & Hodkinson 2013)

aurescens Orange & Wolseley (Lendemer 2010a)

barbatica Lendemer (Lendemer 2010a)

brodoi Lendemer & Tønsberg (Lendemer & Tønsberg 2014)

caesiella R. C. Harris (Lendemer 2005a)

cryophila Lendemer (Lendemer 2010a)

diffusa (J. R. Laundon) Kukwa Syn.: *Leproloma diffusum* (Kukwa 2002)

disjuncta Lendemer (Lendemer 2010a)

eburnea J. R. Laundon

elobata Tønsberg (Tønsberg 1997)

finkii (B. de Lesd.) R. C. Harris (Lendemer 2013b) Syns: *Crocynia aliciae*, *C. americana*

friabilis Lendemer, K. Knudsen & Elix (Lendemer et al. 2008b)

gracilescens (Nyl.) Lendemer & Hodkinson Syn.: *Leprocaulon gracilescens* (Lendemer & Hodkinson 2013)

harrisiana Lendemer (Lendemer 2012a)

hodkinsoniana Lendemer (Lendemer 2011b)

humida Slav.-Bayr. & Orange (Lendemer 2013a, 2013b)

jackii Tønsberg (Kümmerling et al. 1995)

lanata Tønsberg (Tønsberg 2007)

lecanorica Tønsberg (Tønsberg 2004b)

leprolomopsis Diederich & Sérus. (Lendemer 2013b)

membranacea (Dickson) Vainio Syns.: *Amphiloma lanuginosum*, *Leproloma membranaceum*

(Kukwa 2002), *Pannaria lanuginosa*
neglecta (Nyl.) Erichsen Syn.: *Crocynia neglecta*
nivalis J. R. Laundon
normandinoides Lendemer & R. C. Harris (Lendemer & Harris 2007)
oxybapha Lendemer (Lendemer 2012b)
pacifica Lendemer (Lendemer 2011b)
rigidula (B. de Lesd.) Tønsberg
squamatica Elix (Lendemer 2008)
subalbicans (I. M. Lamb) Lendemer & Hodkinson Syn.: *Leprocaulon subalbicans*, *Stereocaulon subalbicans* (Lendemer & Hodkinson 2013)
torii Pérez-Ortega & T. Sprib. (Pérez-Ortega & Spribille 2009a)
vouauxii (Hue) R. C. Harris Syn.: *Leproloma vouauxii* (Kukwa 2002)
xanthonica Lendemer (Lendemer 2010a)
xerophila Tønsberg (Tønsberg 2004b)
adhaerens K. Knudsen, Elix & Lendemer (Knudsen et al. 2007) = *Leprocaulon adhaerens*
aeruginosa auct. = misidentification for North America
aeruginosa (Weiss) Sm. = not a lichen-forming fungus
alpina (B. de Lesd.) Tretiach & Baruffo (Knudsen & Elix 2007a) = *L. neglecta* (Lendemer 2013a, 2013b)
arctica (Lyngé) Wetmore = *L. vouauxii*
borealis Loht. & Tønsberg = *L. neglecta* (Lendemer 2013b)
cacuminum sensu J. R. Laundon = *L. neglecta* (Lendemer 2013a, 2013b)
cacuminum sensu Loht. = *L. neglecta* (Lendemer 2013a, 2013b)
caesioalba (B. de Lesd.) J. R. Laundon = *L. neglecta* (Lendemer 2013a, 2013b)
candelaris (L.) Fr. = *Chrysothrix candelaris*
chlorina (Ach.) Ach. = *Chrysothrix chlorina*
citrina (Schaerer) Rabenh. = *Chrysothrix candelaris*
crassissima (Hue) Lettau = misidentification for North America (Lendemer 2011b)
crassissima var. *isidiata* Llimona = misidentification for North America (Lendemer 2011b)
diffusa (J. R. Laundon) Kukwa var. *chrysodetoides* (J. R. Laundon) Kukwa = *L. diffusa* (Lendemer 2013a, 2013b)
flava (Schreber) Sm. = *Chrysothrix candelaris*
frigida J. R. Laundon = *L. eburnea* (Tønsberg 2004b)
gelida Tønsberg & Zhurb. (Kukwa & Zhurbenko 2010) = *Lepraria neglecta* (Lendemer 2013b)
incana (L.) Ach. = misidentification for North America (Lendemer 2011b)
lesdainii (Hue) R. C. Harris = *Botryolepraria lesdainii*
lobificans auct. N.A. non Nyl. = *L. finkii* (Lendemer 2013b)
moroziana Lendemer (Lendemer 2010a) = *Andreiomyces morozianus*
salazinic Tønsberg (Tønsberg 2007) = *L. elobata* (Lendemer 2013a, 2013b)
santamonicae K. Knudsen & Elix (Knudsen & Elix 2007b) = *Leprocaulon santamonicae*
terricola Lendemer (Lendemer 2010a) = *Leprocaulon terricola*
texta K. Knudsen, Elix & Lendemer (Knudsen & Elix 2007a) = *Leprocaulon textum*
zonata Brodo = *L. neglecta*

LEPROCAULON Nyl. ex Lamy

adhaerens (K. Knudsen, Elix & Lendemer) Lendemer & Hodkinson Syn.: *Lepraria adhaerens* (Lendemer & Hodkinson 2013)
americanum Lendemer & Hodkinson (Lendemer & Hodkinson 2013)
beechingii Lendemer (Lendemer 2020b)
knudsenii Lendemer & Hodkinson (Lendemer & Hodkinson 2013)
nicholsiae Lendemer & E. Tripp (Tripp & Lendemer 2019)
santamonicae (K. Knudsen & Elix) Lendemer & Hodkinson Syn.: *Lepraria santamonicae* (Lendemer & Hodkinson 2013)
terricola (Lendemer) Lendemer & Hodkinson Syn.: *Lepraria terricola* (Lendemer & Hodkinson 2013)
textum (K. Knudsen, Elix & Lendemer) Lendemer & Hodkinson Syn.: *Lepraria texta* (Lendemer

& Hodkinson 2013)
albicans (Th. Fr.) Nyl. = Lepraria albicans
arbuscula (Nyl.) Nyl. = Lepraria arbuscula
gracilescens (Nyl.) I. M. Lamb & A. Ward = Lepraria gracilescens
microscopicum (Vill.) Gams ex D. Hawksw. = L. quisquiliare, but North American records are L.
americanum (Lendemmer & Hodkinson 2013)
pseudoarbuscula (Asahina) I. M. Lamb & A. Ward = Lepraria subalbicans for North American
records
quisquiliare (Leers) M. Choisy = misidentification for North America
subalbicans (I. M. Lamb) I. M. Lamb & A. Ward = Lepraria subalbicans

LEPROCOLLEMA Vainio

americanum Vainio Apparently absent from N.A. north of Mexico (Schultz 2007a)

LEPROLOMA Nyl. ex Crombie = LEPRARIA (Kukwa 2002)

angardianum (Øvstedal) J. R. Laundon = Lepraria neglecta
cacuminum (A. Massal.) J. R. Laundon = Lepraria neglecta
diffusum J. R. Laundon var. diffusum = Lepraria diffusa
diffusum J. R. Laundon var. chrysodetoides J. R. Laundon (Goward et al. 1996) = Lepraria diffusa
membranaceum (Dickson) Vainio = Lepraria membranacea
"membranaceum var. chrysodetoides" Removed as a typographical error here
vouauxii (Hue) J. R. Laundon = Lepraria vouauxii

LEPROPLACA (Nyl.) Hue (Arup et al. 2013)

cirrochroa (Ach.) Arup, Frödén & Søchting Syn.: Caloplaca cirrochroa, Placodium cirrochroum
chrysodeta (Vainio) J. R. Laundon ex Ahti Syn.: Caloplaca chrysodeta
obliterans (Nyl.) Arup, Frödén & Søchting Syn.: Caloplaca obliterans

LEPTOCHIDIUM M. Choisy

albociliatum (Desm.) M. Choisy Syn.: Polychidium albociliatum, Leptogium albociliatum, L.
pilosellum
crenatulum (Nyl.) P. M. Jørg. (Jørgensen 2006)

LEPTOGIDIUM Nyl. (Muggia et al. 2011)

contortum (Henssen) T. Sprib. & Muggia (Muggia et al. 2011)
dendriscum (Nyl.) Nyl. Syn.: Leptogium dendriscum, Polychidium dendriscum
intricatum Nyl. = Dendriscocaulon intricatum

LEPTOGIUM (Ach.) Gray

acadiense J. W. Hinds, F. L. Anderson & Lendemmer (Stone et al. 2016)
adpressum Nyl.
arcticum P. M. Jørg.
arsenei Sierk
austroamericanum (Malme) C. W. Dodge
azureum (Sw. ex Ach.) Mont.
brebissonii Mont.
burgessii (L.) Mont.
byssinum (Hoffm.) Zwackh ex Nyl. Syn.: Pannaria byssina
chloromelum (Ach.) Nyl.
compactum D. F. Stone, F. L. Anderson & J. W. Hinds (Stone et al. 2016)
cookii D. F. Stone & Lendemmer (Stone et al. 2016)
coralloideum (Meyen & Flotow) Vainio (Jørgensen & Nash 2004) Syn.: Parmelia coralloideum
corticola (Taylor) Tuck.
crenatulum (Nyl.) Vainio
cyanescens (Rabenh.) Körber
digitatum (A. Massal.) Zahlbr.

floridanum Sierk
fusisporum (Tuck.) C. W. Dodge
hibernicum M. E. Mitch. ex P. M. Jørg. (Nealy & Anderson 2010)
hirsutum Sierk
hypotrachynum Müll. Arg.
isidiosellum (Riddle) Sierk
joergensenii Marcelli & Kitaura (Kitaura et al. 2015)
juressianum Tav. (Lendemer et al. 2008c)
laceroides B. de Lesd.
marginellum (Sw.) Gray
microstictum Vainio
milligranum Sierk
nanum Herre (McCune & Rosentreter 2007)
papillosum (B. de Lesd.) C. W. Dodge (Jørgensen & Nash 2004)
phyllocarpum (Pers.) Mont.
pseudofurfuraceum P. M. Jørg. & Wallace (Jørgensen 1997)
resupinans Nyl. (Jørgensen & Nash 2004)
rivulare (Ach.) Mont.
rugosum Sierk
saturninum (Dickson) Nyl.
sessile Vainio
stipitatum Vainio
albiciliatum Desm. = *Leptochidium albociliatum*
americanum Degel. = *L. laceroides*
amphineum Ach. ex Nyl. = *L. byssinum*
apalachense (Tuck.) Nyl. = *Scytinium apalachense* (Otálora et al. 2014)
aquale (Arnold) P. M. Jørg. (Jørgensen & Tønsberg 1999) = *Scytinium aquale* (Otálora et al. 2014)
aragonii Otálora (Otálora et al. 2008) = *Scytinium aragonii* (Otálora et al. 2014)
arizonicum Zahlbr. = *Scytinium juniperinum*
biatorinum (Nyl.) Leighton (Jørgensen & Tønsberg 1999) = *L. nanum*, for North American report (McCune & Rosentreter 2007)
bolacinum (Ach.) Nyl. (Tuckerman 1888) = *Ricasolia amplissima* growth form
bullatum (Sw. in Ach.) Nyl. (Fink 1935) Probable misidentification for North America (Esslinger & Tucker 2009)
bullatum (Sw.) Mont. var. *phyllocarpum* (Pers.) Tuck. (Tuckerman 1888) = *Leptogium phyllocarpum*
burnetiae C. W. Dodge Misidentifications for North America (Stone et al. 2016)
burnetiae C. W. Dodge var. *hirsutum* (Sierk) P. M. Jørg. = *L. hirsutum*
caesiellum Tuck. = *L. byssinum*
caesium (Ach.) Vainio = *L. cyanescens*
californicum Tuck. = *Scytinium californicum* (Otálora et al. 2014)
cellulosum P. M. Jørg. & Tønsberg (Jørgensen & Tønsberg 1999) = *Scytinium cellulosum* (Otálora et al. 2014)
chloromelum (Sw.) Nyl. var. *conchatum* Tuck. (Tuckerman 1882) Identity uncertain
chloromelum var. *stellans* Tuck. (Tuckerman 1882) Identity uncertain
contortum Sierk = *Scytinium contortum* (Otálora et al. 2014)
corniculatum (Hoffm.) Minks = *Scytinium palmatum* (Otálora et al. 2014)
crenatellum (Nyl.) Tuck. = *L. rivulare*
dactylinum Tuck. = *Scytinium dactylinum* (Otálora et al. 2014)
dendriscum Nyl. (Tuckerman 1882) = *Leptogidium dendriscum*
denticulatum Nyl. = misidentification for North America (Kitaura et al. 2015)
denticulatum sensu Sierk (1964) = *L. joergensenii* (Kitaura et al. 2015)
erectum Sierk = *Scytinium erectum* (Otálora et al. 2014)
fragile (Tayl.) Nyl (Fink 1935) = *Scytinium fragile* Taylor, but a likely misidentification for North America (Degelius 1954)

furfuraceum (Harm.) Sierk = *L. pseudofurfuraceum* (for North American reports; Jørgensen 1997)
 gelatinosum (With.) J. R. Laundon = *Scytinium gelatinosum* (Otálora et al. 2014)
 hildenbrandii (Garov.) Nyl. = a European species, a misidentification for North America (Sierk 1964)
 imbricatum P. M. Jørg. = *Scytinium imbricatum* (Otálora et al. 2014)
 inflexum Nyl. = *L. burgessii* (fide Jørgensen)
 insigne P. M. Jørg. & Tønsberg (Jørgensen & Tønsberg 2010) = *Gabura insignis*
 intermedium (Arnold) Arnold = *Scytinium intermedium* (Otálora et al. 2014)
 intricatulum Nyl. (Fink 1935) = *Scytinium teretiusculum* (Sierk 1964)
 juniperinum Tuck. = *Scytinium juniperinum* (Otálora et al. 2014)
 lacerum (Sw.) Gray = *Scytinium lichenoides*
 lichenoides (L.) Zahlbr. = *Scytinium lichenoides* (Otálora et al. 2014)
 lividofuscum (Flörke ex Schlecht.) Flotow = *Scytinium tenuissimum*
 microdium (Nyl.) Zahlbr. = *Scytinium plicatile* (Sierk 1964)
 minutissimum (Flörke) Fr. = *Scytinium subtile*
 minutissimum auct. = *Scytinium intermedium*
 muscicola (Sw.) Fr. = *Polychidium muscicola*
 myochroum (Ehrh.) Nyl. (Tuckerman 1882) = *Leptogium saturninum*
 myochroum var. saturninum (Schaerer) Tuck. (Tuckerman 1882) = *Leptogium saturninum*
 myochroum var. tomentosum (Hoffm.) Tuck. (Tuckerman 1882) = *Leptogium saturninum*
 palmatum (Hudson) Mont. (Hoffman & Hafellner 2000; Santesson et al. 2004) = *Scytinium palmatum* (Otálora et al. 2014)
 papillosum (B. de Lesd.) C. W. Dodge North American reports refer to *L. pseudofurfuraceum*
 parculum Nyl. = *Scytinium parculum* (Otálora et al. 2014)
 perminutum Hedr. = *Scytinium subtile*
 pilosellum G. Merr. = *Leptochidium albociliatum*
 platynum (Tuck.) Herre = *Scytinium platynum* (Otálora et al. 2014)
 plectenchymum Fink = *Scytinium juniperinum*
 plicatile (Ach.) Leighton = *Scytinium plicatile* (Otálora et al. 2014)
 polycarpum P. M. Jørg. & Goward = *Scytinium polycarpum* (Otálora et al. 2014)
 pulchellum (Ach.) Nyl. = *Collema pulchellum*
 pulvillus Tuck. (Fink 1935) Possible synonym of *Scytinium lichenoides* (Sierk 1964)
 rhyarodes Nyl. (Fink 1935) = *Scytinium callopismum*
 rivale Tuck. = *Scytinium rivale* (Otálora et al. 2014)
 schraderi (Bernh.) Nyl. = *Scytinium schraderi* (Otálora et al. 2014)
 scotinum (Ach.) Fr. = *Scytinium gelatinosum* (Santesson et al. 2004)
 sinuatum (Hudson) A. Massal. = *Scytinium gelatinosum*
 siskiyouensis D. F. Stone & Ruchty (Stone & Ruchty 2008) = *Scytinium siskiyouensis* (Otálora et al. 2014)
 subaridum P. M. Jørg. & Goward = *Scytinium subaridum* (Otálora et al. 2014)
 subtile (Schrader) Torss. = *Scytinium subtile* (Otálora et al. 2014)
 tacomae P. M. Jørg. & Tønsberg (Jørgensen & Tønsberg 1999) = *Scytinium tacomae* (McCune et al. 2014b)
 tenuissimum (Dickson) Körber = *Scytinium tenuissimum* (Otálora et al. 2014)
 teretiusculum (Wallr.) Arnold = *Scytinium teretiusculum* (Otálora et al. 2014)
 tremelloides auct. = *L. cyanescens*
 turgidum (Ach.) Crombie (McCune & Rosentreter 2007) = *Scytinium turgidum* (Otálora et al. 2014)

LEPTORHAPHIS Körber

atomaria (Ach.) Szatala
 #**contorta** Degel.
 #**epidermidis** (Ach.) Th. Fr.
lucida Körber
 †**parameca** (A. Massal.) Körber
 quercus (Beltr.) Körber = identity uncertain

LEPTOSPHERIA Ces. & De Not.

***arnoldii** Rehm. Syn. : *Phaeospora peltigericola* (Alstrup & Ahti 2007)

LEPTOSPHERULINA McAlpine

***peltigerae** (Fuckel) Riedel

LEPTOTREMA Mont. & Bosch (Frisch 2006)

auberianum (Mont.) Fink = *Stegobolus auberianus*

glaucescens (Nyl.) Müll. Arg. = *Leucodecton glaucescens*

heterosporum (C. Knight ex F. M. Bailey) Zahlbr. = *Thelotrema santense*

laeviusculum (Nyl.) Zahlbr. = *Ocellularia laeviusculum*

lepadodes (Tuck.) Zahlbr. = *Thelotrema monosporum*

monosporum (Nyl.) Müll. Arg. = *Thelotrema monosporum*

obturascens (Nyl.) Hale = *Ocellularia bahiana*

polycarpum Müll. Arg. = *Leucodecton subcompunctum*

ravenelii (Tuck.) Fink = *Sanguinotrema wightii*

reclusum (Kremp.) Zahlbr. = *Leucodecton compunctellum*

santense (Tuck.) Zahlbr. = *Reimnitzia santensis*

wightii (Taylor) Müll. Arg. (Frisch 2006) = *Sanguinotrema wightii* (Lücking et al. 2015)

LETHARIA (Th. Fr.) Zahlbr.

columbiana (Nutt.) J. W. Thomson

gracilis Krokken ex McCune & Altermann (McCune & Altermann 2009)

lupina Altermann, Leavitt & Goward (Altermann et al. 2016)

vulpina (L.) Hue Syn.: *Evernia vulpina*

californica (Lév.) Hue = *L. columbiana*

vulpina (L.) Hue f. *californica* (Lév.) W. A. Weber = *L. columbiana*

LETHARIICOLA Grummann = *SPHAEROPEZIA* (Baloch et al. 2013b)

***cucularis** (Norman) Lumbsch & D. Hawksw. = *Sphaeropezia cucularis*

***sipei** Grummann = *Sphaeropezia sipei*

LETROUITIA Hafellner & Bellem.

domingensis (Pers.) Hafellner & Bellem. Syns.: *Bombyliospora domingensis*, *Lopadium domingense*, *Heterothecium domingense*

parabola (Nyl.) R. Sant. & Hafellner

vulpina (Tuck.) Hafellner & Bellem. Syns.: *Heterothecium vulpinum*, *Lopadium vulpinum*, *Bombyliospora vulpina*

LETTAUIA D. Hawksw. & R. Sant.

***santessonii** Ihlen & Tønsberg (Ihlen & Tønsberg 1996)

***cladoniicola** D. Hawksw. & R. Sant. (Esslinger & Egan 1995) = *Cryptodiscus cladoniicola*

LEUCOCARPIA Vězda = *PSOROGLAENA* (Lücking 2008)

biatorella (Arnold) Vězda (Buck & Harris 2001) = *Psoroglaena biatorella* (Lücking 2008)

dictyospora (Orange) R. Sant. (Alstrup 2004) = *Psoroglaena dictyospora* (Harada 2003)

LEUCODECTON Massal. (Frisch 2006)

compunctellum (Nyl.) Frisch (Lücking et al. 2011b) Syns.: *Leptotrema reclusum*, *Myriotrema reclusum*

compunctum (Ach.) A. Massal. (Seavey et al. 2017)

fissurinum (Hale) A. Frisch (Seavey et al. 2017)

glaucescens (Nyl.) A. Frisch Syns: *Leptotrema glaucescens*, *Myriotrema glaucescens*, *Thelotrema glaucescens* (Frisch 2006)

occultum (Eschw.) A. Frisch Syn: *Myriotrema compunctum* (Frisch 2006)

phaeosporum (Nyl.) Rivas Plata & Lücking (Seavey et al. 2014)
subcompunctum (Nyl.) A. Frisch Syns: *Leptotrema polycarpum* (Frisch 2006), *Myriotrema subcompunctum*
willeyi (Nyl.) R. C. Harris Syn.: *Phlyctis willeyi* (Lendemer & Harris 2014d)

LEUCOGYROPHANA Pouzar

***lichenicola** Thorn, Malloch & Ginns (Thorn et al. 1998)

LIBERTIELLA Speg. & Roum.

***malmedyensis** Speg. & Roum. (Alstrup & Ahti 2007)

LICHENOBARYA Etayo, Diederich & Lawrey (Lawrey et al. 2015)

***usneae** (Etayo) Etayo, Diederich & Lawrey (Lawrey et al. 2015)

LICHENOCHORA Hafellner

***aipoliae** Etayo, Nav.-Ros. & Coppins (Haldeman 2020)
***arctica** Zhurb. (Zhurbenko 2013)
***constrictella** (Müll. Arg.) Hafellner (Etayo & Navarro-Rosinés 2008)
***galligena** R. Sant. & Hafellner (Diederich 2003)
***haematommatum** R. C. Harris & Lendemer (Lendemer et al. 2016c)
***lepidiotae** (Anzi) Etayo & Nav.-Ros. (Zhurbenko 2013)
***obsкуроoides** (Lindsay) Triebel & Rambold (Hoffmann & Hafellner 2000)
***rinodinae** Zhurb. (Zhurbenko 2013)
***verrucicola** (Wedd.) Nik. Hoffm. & Hafellner (Hoffmann & Hafellner 2000)
***weillii** (Werner) Hafellner & R. Sant.
***xanthoriae** Triebel & Rambold
***thallina** (Cooke) Hafellner = *L. obsкуроoides*

LICHENOCONIUM Petrak & H. Sydow

***cargillianum** (Lindsay) D. Hawksw. (Diederich 2003)
***christiansenii** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2004)
***edgewoodensis** Alstrup & M. S. Cole (Alstrup & Cole 1998)
***erodens** M. S. Christ. & D. Hawksw.
***follmannii** Kondratyuk & Galloway (Kondratyuk & Galloway 1995)
***laevisporum** Kalb & Hafellner (Kalb et al. 1995)
***lecanorae** (Jaap) D. Hawksw.
***lichenicola** (P. Karsten) Petrak & H. Sydow (Etayo et al. 2007)
***pyxidatae** (Oudem.) Petrak & H. Sydow
***usneae** (Anzi) D. Hawksw.
***xanthoriae** M. S. Christ.

LICHENODIPLIS Dyko & D. Hawksw.

***anomala** Etayo & Pérez-Vargas (Haldeman 2018)
***dendrographae** Diederich & van den Boom (Diederich 2003)
***lecanorae** (Vouaux) Dyko & D. Hawksw.
***lecanoricola** (M. S. Cole & Hawksw.) Diederich Syn.: *Laeviomycetes lecanoricola* (Diederich 2003)
***lichenicola** Dyko & D. Hawksw.
***rinodinicola** Kocourk. & K. Knudsen (Knudsen & Kocourková 2009b)
***pertusariicola** (Nyl.) Diederich Erroneously listed here (Diederich 2003)

LICHENOMPHALIA Redhead, Lutzoni, Moncalvo & Vilgalys (Redhead et al. 2002)

alpina (Britzelm.) Redhead, Lutzoni, Moncalvo & Vilgalys Syns.: *Omphalina alpina*, *O. luteovitellina*, *Phytoconis luteovitellina*, *Botrydina luteovitellina* (Redhead et al. 2002)
hudsoniana (H. S. Jenn.) Redhead, Lutzoni, Moncalvo & Vilgalys Syns.: *Omphalina hudsoniana*, *Botrydina viridis*, *Coriscium viride*, *Phytoconis viridis* (Redhead et al. 2002)

oreades (Singer) Voitk, Thorn & I. Saar (Lücking et al. 2017b)
umbellifera (L. : Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys Syns.: *Omphalina umbellifera*, *O. ericetorum*, *Phytoconis ericetorum*, *Botrydina botryoides*, *B. vulgaris* (Redhead et al. 2002)
velutina (Quél.) Redhead, Lutzoni, Moncalvo & Vilgalys Syns.: *Omphalina velutina*, *Phytoconis velutina*, *Botrydina velutina* (Redhead et al. 2002)

LICHENOPELTELLA Höhn.

***arctomiae** Pérez-Ortega & T. Sprib. (Pérez-Ortega & Spribille 2009b)
***biatorae** Pérez-Ortega & T. Sprib. (Pérez-Ortega & Spribille 2009b)
***cladoniarum** E. S. Hansen & Alstrup (Zhurbenko & Pino-Bodas 2017)
***heterodermiicola** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2002)
***leprosulae** Pérez-Ortega & T. Sprib. (Pérez-Ortega & Spribille 2009b)
***peltigericola** (D. Hawksw.) R. Sant. (Alstrup & Cole 1998)
***santessonii** (P. M. Kirk & Spooner) R. Sant. (Alstrup & Cole 1998)
***stereocaulorum** Zhurb. (Zhurbenko 2010)
***thamnoliae** R. Sant. Erroneously listed here; reported only from South America (Diederich 2003)

LICHENOPUCCINIA D. Hawksw. & Hafellner

***poeltii** D. Hawksw. & Hafellner (Diederich 2003)

LICHENOSTICTA Zopf

***alcicornaria** (Lindsay) D. Hawksw.

LICHENOSTIGMA Hafellner

***alpinum** (R. Sant., Alstrup & D. Hawksw.) Ertz & Diederich Syn.: *Phaeosporobolus alpinus* (Ertz et al. 2014)
***amplum** Calat. & Hafellner (Kocourková & Knudsen 2008)
***anatolicum** Halici & Kocakaya (Lendemer et al. 2009b)
***bolacinae** Nav.-Ros., Calat. & Hafellner (Kocourková & Knudsen 2008)
***chlaroterae** (F. Berger & Brackel) Ertz & Diederich (Ertz et al. 2014)
***cosmopolites** Hafellner & Calat. (Hafellner & Calatayud 1999)
***elongatum** Nav.-Ros. & Hafellner (Navarro-Rosines & Hafellner 1996)
***fellhanerae** (R. C. Harris & Lendemer) Ertz & Diederich Syn.: *Phaeosporobolus fellhanerae* (Ertz et al. 2014)
***maureri** Hafellner (Esslinger & Egan 1995) Syns: *Abrothallus usneae* auct. non Rabenh., *Phaeosporobolus usneae* (Ertz et al. 2014)
***radicans** Calat. & Barreno (Knudsen & Kocourková 2008)
***saxicola** K. Knudsen & Kocourk. (Knudsen & Kocourková 2010d)
***semiimmersum** Hafellner (Hafellner 1999)
***subradians** Hafellner, Calat. & Nav.-Ros. (Calatayud et al. 2002)
***dimelaenae** Calat. & Hafellner (Calatayud et al. 2004) = *Lichenothelia dimelaenae*
***rugosum** G. Thor = *Lichenothelia rugosa* (Diederich et al. 2018)

LICHENOTHELIA D. Hawksw.

#**arida** Muggia, Kocourk. & K. Knudsen (Muggia et al. 2015)
#**calcareae** Henssen
#**convexa** Henssen
***dimelaenae** (Catal. & Hafellner) Kocourk., K. Knudsen & Muggia Syn.: *Lichenostigma dimelaenae* (Ametrano et al. 2019)
#**intermixta** Henssen
#**metzleri** (J. Lahm) D. Hawksw. Syn.: *Microthelia metzleri*
#**muriformis** Ametrano, K. Knudsen, Kocourk. & Muggia (Ametrano et al. 2019)
#**papilliformis** Ametrano, K. Knudsen Kocourk. & Muggia (Ametrano et al. 2019)
#**renobalesiana** D. Hawksw. & V. Atienza (Kocourková & Knudsen 2009d)
***rugosa** (G. Thor) Ertz & Diederich Syn.: *Lichenostigma rugosum* (Diederich et al. 2018)

- #**scopularia** (Nyl.) D. Hawksw. Syn.: *Microthelia aterrma*, *Rinodina aterrma*
 #**tenuissima** Henssen
 #**umbrophila** Muggia, Kocourk. & K. Knudsen (Muggia et al. 2015)
- LICHENOTHRIX Henssen = PYRENOTHRIX
 riddlei Henssen = *Pyrenothrix nigra*
- LICHINA C. Agardh
confinis (O. F. Müller) C. Agardh
willeyi (Tuck.) Henssen
- LICHINELLA Nyl.
americana Henssen
cribellifera (Nyl.) P. P. Moreno & Egea Syn.: *Gonohymenia cribellifera*, *Rechingeria cribellifera*
flexa Henssen, Büdel & T. H. Nash (Schultz 2005)
granulosa M. Schultz (Schultz 2005)
intermedia Henssen (Schultz 2005)
iodopulchra (Croz.) P. P. Moreno & Egea (Schultz 2005)
melamphylla (Tuck.) Essl. Syn.: *Gonohymenia melamphylla*, *Pannaria melamphylla*
minnesotensis (Fink) Essl. Syn.: *Forsellia minnesotensis*, *Gonohymenia minnesotensis*
myriospora (Zahlbr.) P. P. Moreno & Egea (Schultz 2005)
nigritella (Lettau) P. P. Moreno & Egea Syn.: *Gonohymenia nigritella*, *Thyrea nigritella*
robustoides Henssen, Büdel & T.H. Nash (Schultz 2005)
sinaica (Marton & Galun) P. P. Moreno & Egea (Schultz 2005)
stipatula Nyl.
- LICHINODIUM Nyl.
ahlneri Henssen (Spribille et al. 2010)
canadense Henssen
saxicola Henssen
 #**sirosiphoideum** Nyl.
- LIGNOSCRIPTA B. D. Ryan
atroalba B. D. Ryan & T. H. Nash (Ryan 2004a)
- LITHOGRAPHIA Nyl.
tesserata (DC.) Nyl.
- LITHOTHELIUM Müll. Arg.
hyalosporum (Nyl.) Aptroot Syn.: *Arthopyrenia hyalospora*, *Plagiocarpa hyalospora*, *Pleurotrema solivagum*
illotum (Nyl.) Aptroot Syn.: *Plagiocarpa illota*, *P. langloisii*
macrosporum (R. C. Harris) Aptroot Syn.: *Plagiocarpa macrospora*
microsporum R. C. Harris (Harris 1995a)
phaeosporum (R. C. Harris) Aptroot Syn.: *Plagiocarpa phaeosporum*
septemseptatum (R. C. Harris) Aptroot Syn.: *Plagiocarpa septemseptata*
- LLIMONAEA Egea & Torrente
californica (Tuck.) Sparrius (Sparrius 2004b) = *Schizopelte crustosa* (Ertz & Tehler 2011)
cerebriformis (Egea & Torrente) Sparrius (Sparrius 2004b) = *Sparria cerebriformis* (Ertz & Tehler 2011)
- LLIMONIELLA Hafellner & Nav.-Ros.
 ***acarosporicola** (Kocourk. & K. Knudsen) Diederich & Ertz Syn.: *Gelatinopsis acarosporicola* (Diederich et al. 2010)

- ***catapyrenii** Zhurb., Kukwa & Flakus (Zhurbenko 2013)
- ***cinnabarinae** Pérez-Ortega, Etayo & T. Sprib. (Pérez-Ortega et al. 2011)
- ***pertusariae** Diederich & Etayo (Diederich & Etayo 2000)
- ***phaeophysciae** Diederich, Ertz & Etayo (Diederich et al. 2010)
- ***pyrenulae** Diederich & Etayo (Diederich & Etayo 2000)
- ***neglecta** (Vainio) Triebel & Rambold = *Rhymbocarpus neglectus*

LOBARIA (Schreber) Hoffm.

- anomala** (Brodo & Ahti) T. Sprib. & McCune Syns.: *Anomalobaria anomala*, *Pseudocyphellaria anomala* (McCune et al. 2014b)
- anthraspis** (Ach.) T. Sprib. & McCune Syns.: *Anomalobaria anthraspis*, *Pseudocyphellaria anthraspis*, *Sticta anthraspis* (McCune et al. 2014b)
- hallii** (Tuck.) Zahlbr. Syn.: *Sticta hallii*
- kurokawae** Yoshim.
- linita** (Ach.) Rabenh. Syns.: *Sticta linita*, *Sticta pulmonaria* var. *linita*
- oregana** (Tuck.) Müll. Arg. Syn.: *Sticta oregana*
- pseudopulmonaria** Gyelnik
- pulmonaria** (L.) Hoffm. Syns.: *Sticta pulmonaria*, *Sticta pulmonaria* var. *hypomela*
- retigera** (Bory) Trevisan
- scrobiculata** (Scop.) DC. Syns.: *Sticta scrobiculata*, *S. verrucosa*
- silvae-veteris** (Goward & Goffinet) Goward & Goffinet Syn.: *Nephroma silvae-veteris* (Goffinet & Goward 1998)
- amplissima** (Scop.) Forssell (Tønsberg & Goward 2001) = *Ricasolia amplissima*
- erosa** (Eschw.) Nyl. = *Emmanuelia erosa* (Simon et al. 2020)
- isidiosa** (Müll. Arg.) Vainio Not in North America.
- laetevirens** (Lightf.) Zahlbr. = *Ricasolia virens* (With.) H. H. Blom & Tønsberg, but not known from North America
- lobulifera** B. J. Moore = *Emmanuelia lobulifera* (Simon et al. 2020)
- quercizans** Michaux = *Ricasolia quercizans*
- ravenelii** (Tuck.) Yoshim. = *Emmanuelia ravenelii* (Simon et al. 2020)
- submarginalis** Michaux (Tuckerman 1888) = *Parmotrema submarginale*
- tenuis** Vainio North American reports are *Emmanuelia lobulifera* (Simon et al. 2020)
- verrucosa** (Hudson) Hoffm. = *L. scrobiculata*

LOBOTHALLIA (Clauzade & Cl. Roux) Hafellner

- alphoplaca** (Wahlenb.) Hafellner Syns.: *Aspicilia alphoplaca*, *Lecanora alphoplaca*, *Lecanora thamnoplaca*
- melanaspis** (Ach.) Hafellner Syns.: *Aspicilia melanaspis*, *Lecanora melanaspis*
- praeradiosa** (Nyl.) Hafellner Syns.: *Aspicilia praeradiosa*, *Lecanora praeradiosa*
- radiosa** (Hoffm.) Hafellner Syns.: *Aspicilia radiosa*, *Lecanora radiosa*, *L. circinata*

LOPADIOPSIS Vainio = **GYALECTIDIUM**

- floridana** Zahlbr. = *Asterothyrium rotuliforme*

LOPADIUM Körber

- augustini** (Tuck.) Zahlbr. Syn.: *Lopadium augustinii*
- coralloideum** (Nyl.) Lyngé
- disciforme** (Flotow) Kullhem
- dodgei** Herre
- pezizoideum** (Ach.) Körber Syn.: *Heterothecium pezizoideum*
- alpinum** (Körber) R. Sant. = *Schadonia alpina*
- domingense** (Pers.) Fink = *Letrouitia domingensis*
- fecundum** Th. Fr. = *Schadonia fecunda*
- fuscum** Müll. Arg. = *Calopadia fusca*
- fuscoluteum** (Dickson) Mudd = *Brigantiaea fuscolutea*
- gemellum** (Anzi) Stizenb. = *Schadonia alpina*

- leucoxanthum (Sprengel) Zahlbr. = *Brigantiaea leucoxantha*
 puiggarii (Müll. Arg.) Zahlbr. = *Calopadia puiggarii*
 phyllocharis (Mont.) Fink = *Tapellaria epiphylla*
 vulpinum (Tuck.) Zahlbr. = *Letrouitia vulpina*
- LOPEZARIA Kalb & Hafellner (Kalb 1990) = MEGALARIA Hafellner (Fryday & Lendemer 2010)
 versicolor (Fée) Kalb & Hafellner (Kalb 1990) = *Megalaria versicolor*
- LOXOSPORA** A. Massal.
assateaguensis Lendemer (Lendemer 2013c)
cismonica (Beltr.) Hafellner Syn.: *Haematomma cismonicum*
confusa Lendemer (Lendemer 2013c)
elatina (Ach.) A. Massal. Syns.: *Haematomma elatinum*, *Lecanora elatina*
ochrophaea (Tuck.) R. C. Harris Syns.: *Haematomma ochrophaeum*, *Lecanora elatina* var. *ochrophaea*
 pustulata (Brodo & W. L. Culb.) R. C. Harris = *Lepra pustulata*
- LOXOSPOROPSIS** Henssen
corallifera Brodo, Henssen & Imshaug
- MACENTINA Vězda
 dictyospora Orange (Will-Wolf 1998) = *Psoroglaena dictyospora* (Harada 2003)
- MALCOLMIELLA Vězda
 granifera (Ach.) Kalb & Lücking (Lendemer & Knudsen 2007) = *Malmidea granifera*
- MALMIDEA** Kalb, Rivas Plata & Lumbsch (Lücking et al. 2011b)
cineracea Breuss & Lücking (Seavey et al. 2017)
flavopustulosa (M. Cáceres & Lücking) M. Cáceres & Kalb (Seavey & Seavey 2014a)
floridensis (Nyl.) M. Cáceres, Aptroot & Lücking Syn.: *Lecidea floridensis* (Cáceres et al. 2017)
furfurosa (Tuck. ex Nyl.) Kalb & Lücking Syns.: *Biatora furfurosa*, *Lecidea furfurosa* (Lücking et al. 2011b)
fuscella (Müll. Arg.) Kalb & Lücking (Lücking et al. 2011b)
granifera (Ach.) Kalb, Rivas Plata & Lumbsch Syns.: *Lecanora granifera*, *Malcolmiella granifera* (Lücking et al. 2011b)
gyalectoides (Vainio) Kalb & Lücking (Lücking et al. 2011b)
leptoloma (Müll. Arg.) Kalb & Lücking (Lücking et al. 2011b)
pipervis (Sprengel) Kalb, Rivas Plata & Lumbsch (Lücking et al. 2011b)
rhodopis (Tuck.) Kalb, Rivas Plata & Lumbsch (Lücking et al. 2011b)
variabilis Kalb (Lücking et al. 2011b)
vinosa (Eschw.) Kalb, Rivas Plata & Lumbsch (Lücking et al. 2011b)
- MARCHANDIOBASIDIUM Diederich & Schultheis (Diederich & Lawrey 2007) = ERYTHRICIUM
 *aurantiacum (Lasch) Diederich & Schultheis = *Erythrimum aurantiacum* (Hawksworth & Helcini 2015)
- MARCHANDIOMYCES** Diederich & D. Hawksw.
 ***corallinus** (Roberge) Diederich & D. Hawksw. Syn.: *Illosporium corallinum*
 #**lignicola** Lawrey & Diederich (DePriest et al. 2005)
 ***buckii** Diederich & Lawrey (Diederich & Lawrey 2007) = *Laetisaria buckii* (Diederich et al. 2018)
- MARONEA** A. Massal.
constans (Nyl.) Hepp (Harris 2006b, Lendemer et al. 2013)
polyphaea H. Magn.

carolinae H. Magn. = *M. polyphaea* (Harris 2006b)
porinoidea Zahlbr. = *Ramonia valenzueliana*

MASONHALEA Kärnefelt

inermis (Nyl.) Lumbsch, M. Nelsen & A. Thell Syns.: *Cetraria inermis*, *Tuckermannopsis inermis* (Nelsen et al. 2013)
richardsonii (Hooker) Kärnefelt Syn.: *Cetraria richardsonii*

MASSALONGIA Körber

carnosa (Dickson) Körber Syn.: *Pannaria carnosa*
microphylliza (Nyl. ex Hasse) Henssen Syns.: *Placynthium dubium*, *P. microphyllizum*

MASSARINA Sacc.

staphyleae (Petr.) Aptroot = *Pseudopyrenula staphyleae*

MASTODIA Hooker f. & Harvey

tessellata (Hooker f. & Harvey) Hooker f. & Harvey Syns.: *Kohlmeyera complicatula*, *Turgidosculum complicatulum* (Kohlmeyer et al. 2004)

MAZOSIA A. Massal.

carnea (Eckfeldt) Aptroot & M. Cáceres (Aptroot et al. 2014) Syns.: *Enterographa carnea*, *Ocellularia carnea*, *Thelotrema carneum*
viridescens (Fée) Aptroot & M. Cáceres (Seavey et al. 2017) Syns.: *Platygrapha ocellata*, *Schismatomma ocellatum*
ocellata (Nyl.) R. C. Harris = *M. viridescens* (Tehler 1993, Aptroot et al. 2014)

MEDUSULINA Müll. Arg. = **FISSURINA** (Miranda-González et al. 2020)

nitida (Eschw.) Müll. Arg. = *Fissurina nitida* (Miranda-González et al. 2020)
texana Müll. Arg. = *Jocatoa agminalis* (Miranda-González et al. 2020)

MEGALARIA Hafellner

albocincta (Degel.) Tønsberg (Ekman & Tønsberg 1996) Syns.: *Catillaria albocincta*, *Catillochroma albocinctum* (Fryday & Lendemer 2010)
allenae Lendemer & McMullin (McMullin & Lendemer 2016)
alligatorensis Lendemer (Lendemer et al. 2016c)
beechingii Lendemer (Lendemer 2007b)
brodoana S. Ekman & Tønsberg (Ekman & Tønsberg 1996)
columbiana (G. Merr.) S. Ekman (Ekman & Tønsberg 1996) *Catillaria columbiana*
grossa (Pers. ex Nyl.) Hafellner Syns.: *Catillaria grossa*, *Catinaria grossa*, *C. leucoplaca* auct., *Heterothecium grossum*
jemtlandica (Th. Fr. & Almq.) Fryday Syns.: *Catillaria jemtlandica*, *Lecidea sublimosa* (Fryday 2004a)
laureri (Hepp ex Th. Fr.) Hafellner (Ekman & Tønsberg 1996) Syns.: *Catillaria laureri*, *Catinaria laureri*
leptocheila (Tuck.) Fryday & Lendemer Syns.: *Catillaria leptocheila*, *Catillochroma leptocheilum*, *Heterothecium leptocheilum* (Fryday & Lendemer 2010)
pannosa (Zahlbr.) Fryday & Lendemer (Fryday & Lendemer 2010)
pulverea (Borrer) Hafellner & E. Schreiner Syn.: *Catillaria pulverea*
versicolor (Flotow) Fryday & Lendemer Syns.: *Catillochroma versicolor*, *Heterothecium versicolor* (Fryday & Lendemer 2010)

MEGALOSPORA Meyen

pachycheila (Tuck.) Sipman Syns.: *Bombyliospora pachycheila*, *Heterothecium pachycheilum*
porphyritis (Tuck.) R. C. Harris Syns.: *Bombyliospora porphyritis*, *Heterothecium porphyrites*
tuberculosa (Fée) Sipman Syns.: *Bombyliospora tuberculosa*, *Heterothecium tuberculosum*

sanguinaria (L.) A. Massal. = *Mycoblastus sanguinaria*
versicolor (Fée) Zahlbr. = *Megalaria versicolor*

MEGASPORA (Clauz. & Cl. Roux) Hafellner & V. Wirth

verrucosa (Ach.) Arcadia & A. Nordin (Arcadia & Nordin 2012) Syns.: *Pachyospora verrucosa*,
P. mutabilis, *Lecanora verrucosa*, *L. verrucosa* f. *mutabilis*, *L. mutabilis* (Ach.) Nyl. non Sommerf.,
L. urceolaria, *Pertusaria freyi*

MELANARIA Erichsen = **PERTUSARIA**

macounii I. M. Lamb = *Pertusaria macounii*

MELANELIA Essl.

agnata (Nyl.) A. Thell Syn.: *Cetraria agnata*
culbersonii (Hale) A. Thell Syn.: *Cetraria culbersonii*
hepatizon (Ach.) A. Thell Syns.: *Cetraria hepatizon*, *C. polyschiza*
stygia (L.) Essl. Syn.: *Parmelia stygia*
albertana (Ahti) Essl. = *Melanelixia albertana*
commixta (Nyl.) A. Thell = *Cetrariella commixta*
disjuncta (Erichsen) Essl. = *Montanelia disjuncta*
elegantula (Zahlbr.) Essl. = *Melanohalea elegantula*
exasperata (De Not.) Essl. = *Melanohalea exasperata*
exasperatula (Nyl.) Essl. = *Melanohalea exasperatula*
fuliginosa (Fr. ex Duby) Essl. = *Melanelixia fuliginosa*, but apparently absent from North America
glabra (Schaerer) Essl. North American reports are *Melanelixia californica*
glabratula (Lamy) Essl. = *Melanelixia glabratula*
glabroides (Essl.) Essl. = *Melanelixia glabroides*
granulosa (Lynge) Essl. = *Montanelia disjuncta*
halei (Ahti) Essl. = *Melanohalea halei*
incolorata (Parrique) Essl. = *Melanohalea elegantula*
infumata (Nyl.) Essl. = *Melanohalea infumata*
multispora (A. Schneider) Essl. = *Melanohalea multispora*
olivacea (L.) Essl. = *Melanohalea olivacea*
olivaceoides (Krog) Essl. = *Melanohalea olivaceoides*
panniformis (Nyl.) Essl. = *Montanelia panniformis*
septentrionalis (Lynge) Essl. = *Melanohalea septentrionalis*
sorediata (Ach.) Goward & Ahti = *Montanelia sorediata*
sorediosa (Almb.) Essl. = *Montanelia sorediata*
subargentifera (Nyl.) Essl. = *Melanelixia subargentifera*
subaurifera (Nyl.) Essl. = *Melanelixia subaurifera*
subelegantula (Essl.) Essl. = *Melanohalea subelegantula*
subolivacea (Nyl.) Essl. = *Melanohalea subolivacea*
substygia (Räsänen) Essl. = *Montanelia tominii*, but North American reports are *M. saximontana*
or *M. secwepemc*
tominii (Oxner) Essl. = *Montanelia tominii*, but North American reports are *M. saximontana* or *M. secwepemc*
trabeculata (Ahti) Essl. = *Melanohalea trabeculata*
villosella (Essl.) Essl. (Esslinger 2002c) = *Melanelixia villosella*

MELANELIXIA O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch (Blanco et al. 2004a)

ahtii S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
albertana (Ahti) O. Blanco et al. Syns.: *Melanelia albertana*, *Parmelia albertana*
californica A. Crespo & Divakar (Divakar et al. 2010)
glabratula (Lamy) Sandler & Arup Syns.: *Melanelia glabratula*, *Parmelia glabratula*
glabroides (Essl.) O. Blanco et al. Syns.: *Melanelia glabroides*, *Parmelia glabroides*
robertsoniorum S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)

subargentifera (Nyl.) O. Blanco et al. Syns.: *Melanelia subargentifera*, *Parmelia subargentifera*, *P. conspurcata*
subaurifera (Nyl.) O. Blanco et al. Syns.: *Melanelia subaurifera*, *Parmelia subaurifera*
villosella (Essl.) O. Blanco et al. Syns.: *Melanelia villosella*, *Parmelia villosella*
fuliginosa (Fr. ex Duby) O. Blanco et al. North American reports are misidentifications of *M. glabratula* (Leavitt et al. 2012)
glabra (Schaerer) O. Blanco et al. North American reports are *M. californica*

MELANOGRAPHA Müll. Arg. (Ertz & Diederich 2015)

***tribulodes** (Tuck.) Müll. Arg. Syns.: *Melaspilea tribulodes*, *Opegrapha tribulodes* (Ertz & Diederich 2015)

MELANOHALEA O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch (Blanco et al. 2004a)

beringiana S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
clari S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
columbiana S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
elegantula (Zahlbr.) O. Blanco et al. Syns.: *Melanelia elegantula*, *M. incolorata*, *Parmelia elegantula*
exasperata (De Not.) O. Blanco et al. Syns.: *Melanelia exasperata*, *Parmelia exasperata*, *P. aspera*, *P. aspidota*, *Parmelia olivacea* f. *aspidota*
exasperatula (Nyl.) O. Blanco et al. Syns.: *Melanelia exasperatula*, *Parmelia exasperatula*
halei (Ahti) O. Blanco et al. Syns.: *Melanelia halei*, *Parmelia halei*
infumata (Nyl.) O. Blanco et al. Syns.: *Melanelia infumata*, *Parmelia infumata*
multispora (A. Schneider) O. Blanco et al. Syns.: *Melanelia multispora*, *Parmelia multispora*
olivacea (L.) O. Blanco et al. Syns.: *Melanelia olivacea*, *Parmelia olivacea*
olivaceoides (Krog) O. Blanco et al. Syns.: *Melanelia olivaceoides*, *Parmelia olivaceoides*
septentrionalis (Lynge) O. Blanco et al. Syns.: *Melanelia septentrionalis*, *Parmelia septentrionalis*
subelegantula (Essl.) O. Blanco et al. Syns.: *Melanelia subelegantula*, *Parmelia subelegantula*
subolivacea (Nyl.) O. Blanco et al. Syns.: *Melanelia subolivacea*, *Parmelia subolivacea*
tahtan S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
trabeculata (Ahti) O. Blanco et al. Syns.: *Melanelia trabeculata*, *Parmelia trabeculata*

MELANOLECIA Hertel

transitoria (Arnold) Hertel ex Poelt
jurana (Schaerer) Hertel = *Farnoldia jurana*
micropsis (A. Massal.) Hertel = *Farnoldia micropsis*

MELANOMMA Nitschke ex Fuckel

+**oxysporum** (Zahlbr.) D. Hawksw. Syn.: *Microthelia oxyspora*

MELANOPHLOEA P. James & Vězda

americana K. Knudsen & Lendemmer (Knudsen et al. 2011b) = *Trimmatothelopsis americana* (Knudsen & Lendemmer 2016) Syn.: *Thelenella americana* (Knudsen & Kocourová 2013)

MELANOTHECA Körber = **PYRENULA**

achariana Fée = *Pyrenula anomala*
aggregata (Fée) Müll. Arg. = not in North America
anomala (Ach.) A. Massal. = *Pyrenula anomala*
cinerata Zahlbr. = *Pyrenula sexlocularis*
concatervans (Nyl.) Zahlbr. = *Pyrenula sexlocularis*
cruenta (Mont.) Müll. Arg. = *Pyrenula cruenta*
esenbeckiana Fée = *Tomasellia esenbeckiana*, but a misidentification for North America
subincruenta (Nyl.) Zahlbr. = *Pyrenula cruenta*
wrightii Müll. Arg. = misidentification for North American records

MELANOTOPELIA Lumbsch & Mangold (Mangold et al. 2008)
toensbergii (Vězda & Kantvilas) Lumbsch & Mangold Syn.: *Topeliopsis toensbergii* (Mangold et al. 2008)

MELANOTREMA A. Frisch (Frisch 2006)
meiospermum (Nyl.) A. Frisch Syns.: *Ocellularia meiosperma*, *Phaeotrema meiospermum* (Frisch 2006)
platystomum (Mont.) Frisch (Seavey & Seavey 2014a)

MELASPILEA Nyl.

amota Nyl.

cinerascens (Willey) Fink Syn.: *Opegrapha cinerascens*

constrictella (Stirton) A. L. Sm.

***cupularis** Müll. Arg.

demissa (Tuck.) Zahlbr. Syn.: *Opegrapha demissa*

***epigena** Müll. Arg. (Esslinger & Egan 1995)

gemella (Eschw.) Nyl. (Esslinger & Tucker 2009)

interjecta (Leighton) A. L. Sm. (Villella et al. 2013)

maculosa (Fr.) Müll. Arg.

stellans Zahlbr.

urceolata (Fr.) Ertz & Diederich (Ertz & Diederich 2015)

arthonioides (Fée) Nyl. = *M. urceolata* (Ertz & Diederich 2015)

deformis (Schaerer) Nyl. = *Hazslinszkya gibberulosa*, but misidentifications for North America (Perlmutter et al. 2015)

diformis (Rabenh.) Nyl. = *Hazslinszkya gibberulosa* (Ertz & Diederich 2015)

gibberulosa (Ach.) Zwackh (Brodo 1967) = *Hazslinszkya gibberulosa* (Ertz & Diederich 2015)

lentiginosula (Nyl.) A. L. Sm. = misidentification for North America (Perlmutter et al. 2015)

mesophlebia (Nyl.) Müll. Arg. = *Opegrapha mesophlebia* (Perlmutter et al. 2015)

octomera Müll. Arg. = *Opegrapha astraea* (Perlmutter et al. 2015)

†*proximella* (Nyl.) Nyl. = *Melaspileella proximella* (Ertz & Diederich 2015)

**tribulodes* (Tuck.) Müll. Arg. = *Melanograpta tribulodes* (Ertz & Diederich 2015)

MELASPILEELLA (P. Karsten) Vainio (Ertz & Diederich 2015)

†**proximella** (Nyl.) Ertz & Diederich Syn.: *Melaspilea proximella*

MENEGAZZIA A. Massal.

subsimilis (H. Magn.) R. Sant. (Bjerke 2003)

terebrata (Hoffm.) A. Massal. Syns.: *Parmelia pertusa*, *P. sipeana*
pertusa (Schrank) Stein = *M. terebrata*

MERISMATIUM Zopf

***coccisporum** (Norman) Vouaux

***decolorans** (Rehm ex Arnold) Triebel

***heterophractum** (Nyl.) Vouaux (Zhurbenko & Laursen 2003)

***nigritellum** (Nyl.) Vouaux (Zhurbenko & Dillman 2010)

***peregrinum** (Flotow) Triebel (Harris & Lendemer 2005)

METAMELANEA Henssen

melambola (Tuck.) Henssen Syns.: *Pyrenopsis melambola*, *Synalissa melambola*

umbonata Henssen (Fryday 2006)

METASPHAERIA Sacc.

**tartarina* (Nyl.) Keissler (Talbot et al. 2000) = *Sagediopsis campsteriana*

MICAREA Fr.

adnata Coppins (McCune 2017)

alabastrites (Nyl.) Coppins (Tønsberg & Coppins 2000)
anterior (Nyl.) Hedl. (McCune et al. 2014b)
assimilata (Nyl.) Coppins Syn.: *Lecidea assimilata*
botryoides (Nyl.) Coppins (McCune 1996)
byssacea (Th. Fr.) Czarnota, Guzew-Krzemińska & Coppins (Launis & Myllys 2014)
chlorosticta (Tuck.) R. C. Harris Syn.: *Bacidia chlorosticta*, *Biatora chlorosticta*
cinerea (Schaerer) Hedl.
contexta Hedl. (Konoreva et al. 2021)
coppinsii Tønsberg (Fryday 2006)
czarnotae Launis, van den Boom, Sérus. & Myllys (Spribille et al. 2020)
deminuta Coppins (Fryday & Coppins 2007)
denigrata (Fr.) Hedl. Syn.: *Lecidea aniptiza*, *Micarea denigrata*
elachista (Körber) Coppins & R. Sant.
endocyanea (Tuck. ex Willey) R. C. Harris Syn.: *Bacidia endocyanea*
fallax Launis & Myllys (Konoreva et al. 2021)
farinosa Coppins & Aptroot (Spribille et al. 2020)
globulosella (Nyl.) Coppins
hedlundii Coppins
incrassata Hedl.
inopinula (Nyl.) Coppins & T. Sprib. (Konoreva et al. 2021)
***inquinans** (Tul.) Coppins (Fryday 2017)
laeta Launis & Myllys (Konoreva et al. 2021)
leprosula (Th. Fr.) Coppins & A. Fletcher
lignaria (Ach.) Hedl. Syn.: *Bacidia lignaria*, *Biatora milliaria*
lithinella (Nyl.) Hedl.
marginata Coppins & Muhr (Fryday 2006)
melaena (Nyl.) Hedl. Syn.: *Bacidia melaena*, *Biatora melaena*, *Bilimbia melaena*
melaeniza Hedl. (Spribille et al. 2020)
microareolata Launis, Pykälä & Myllys (Konoreva et al. 2021)
micrococca (Körber) Gams ex Coppins (Fryday & Coppins 2007) Syn.: *Biatora micrococca*
misella (Nyl.) Hedl. Syn.: *Lecidea misella*
myriocarpa V. Wirth & Vězda ex Coppins (Tønsberg 1999a)
neostipitata Coppins & P. May (Coppins & May 2001)
nigella Coppins (McCune 2017)
nitschkeana (J. Lahm ex Rabenh.) Harm.
paratropa (Nyl.) Alstrup (Alstrup et al. 1994)
peliocharpa (Anzi) Coppins & R. Sant. Syn.: *Bacidia trisepta*, *Bilimbia trisepta*
perparvula (Nyl.) Coppins & Printzen (Printzen 1995, Coppins 2008)
prasina Fr. Syn.: *Biatora prasina*, *Catillaria prasina*, *Lecidea sordidescens*
prasinella (Jatta) I. M. Lamb (Spribille et al. 2010)
pseudomicrococca Launis & Myllys (Konoreva et al. 2021)
pusilla Launis, Malíček & Myllys (Konoreva et al. 2021)
pyncidiophora Coppins & P. James
rhabdogena (Norman) Hedl. Syn.: *Biatora punctella*, *Lecidea punctella* (Printzen 1995)
soralifera Guzew-Krzem., Czarnota, Łubek & Kukwa (Lendemer 2017a)
subalpina Coppins & T. Sprib. (Coppins & Spribille 2004)
subviridescens (Nyl.) Hedl. (McCune 2017)
synotheoides (Nyl.) Coppins (Tønsberg & Coppins 2000)
ternaria (Nyl.) Vězda Syn.: *Lecidea subballinita*
tomentosa Czarnota & Coppins (Konoreva et al. 2021)
turfosa (A. Massal.) Du Rietz
vulpinaris (Nyl.) Muhr
xanthonica Coppins & Tønsberg (Coppins & Tønsberg 2001)
bauschiana (Körber) V. Wirth & Vězda = *Brianaria bauschiana* (Ekman & Svensson 2014)
clavopyncidiata Brodo & Tønsberg = *Szczawinskia tsugae* (Aptroot et al. 1997)
crassipes (Th. Fr.) Coppins = *Helocarpon crassipes*

erratica (Körber) Hertel, Rambold & Pietschmann = *Leimonis erratica*
gelatinosa (Flörke) Brodo = *Trapeliopsis gelatinosa*
globularis "(Ach. ex Nyl.) Hedl." = *M. misella*
lutulata (Nyl.) Coppins = *Brianaria lutulata* (Ekman & Svensson 2014)
lynceola (Th. Fr.) Palice = misidentification for North America? (Coppins & Fryday 2006b)
melanobola (Nyl.) Coppins = misidentification for North America (Coppins & Fryday 2006b)
populina (Müll. Arg. ex Nyl.) R. A. Anderson & M. P. Carmer = *Lecidea populina*
subviolascens (H. Magn.) Coppins = *Micarea paratropa* (Alstrup et al. 1994)
sylvicola (Flotow) Vězda & V. Wirth = *Brianaria sylvicola* (Ekman & Svensson 2014)
trisepta (Hellbom) Wetmore = *M. peliocarpa*
tuberculata (Sommerf.) R. A. Anderson = *Brianaria tuberculata* (Ekman & Svensson 2014)
violacea (Crouan ex Nyl.) Hedl. = *M. peliocarpa*
viridescens (Schrader) Brodo = *Trapeliopsis viridescens*

MICAREOPSIS R. C. Harris & Lendemer (Lendemer et al. 2013)
irriguata R. C. Harris & Lendemer

MICROCALICIUM Vainio

+**ahlneri** Tibell
***arenarium** (Hampe ex A. Massal.) Tibell Syn.: *Coniocybopsis arenaria*
***conversum** Tibell (Tibell & Ryan 2004)
***disseminatum** (Ach.) Vainio Syn.: *Mycocalicium disseminatum*, *Calicium disseminatum*
***subpedicellatum** (Schaerer) Tibell = *M. disseminatum*

MICROGLAENA Körber nom. illegit. = **THELENELLA**
corrosa (Körber) Arnold = *Protothelenella corrosa*
hassei Zahlbr. = *Thelenella hassei*
inductula (Nyl.) Servit = *Thelenella inductula*
muscorum (Fr.) Th. Fr. = *Thelenella muscorum*
sordidula Th. Fr. = *Thelenella sordidula*
sphinctrinoides (Nyl.) Lönnr. = *Protothelenella sphinctrinoides*
subcorallina Hasse = *Thelenella modesta*
synchogonoides Zahlbr. = *Thelenella hassei*

MICROLYCHNUS A. Funk
epicorticis A. Funk = *Gyalideopsis epicorticis*

MICROPHIALE (Stizenb.) Zahlbr. = **COENOGONIUM**
diluta (Pers.) Zahlbr. (Fink 1935) = *Coenogonium pineti*
lutea (Dickson) Zahlbr. (Fink 1935) = *Coenogonium luteum*

MICROTHELIA Körber = **ANISOMERIDUM**

#**aterrima** (Kremp. ex Anzi) Zahlbr. = *Lichenothelia scopularia*
hymnothora (Ach.) Trevisan = *Granulopyrenis hymnothora*
#**inops** Degel. = *Kirschsteiniothelia aethiops*
#**metzleri** J. Lahm = *Lichenothelia metzleri*
#**micula** auct. non Flotow ex Körber = *Kirschsteiniothelia aethiops* for most North American records
+**oblongata** Müll. Arg. = *Mycomicrothelia wallrothii*
+**oxyspora** Zahlbr. = *Melanomma oxysporum*
+**thelena** (Ach.) Trevisan = *Mycomicrothelia thelena*, but not found in North America
verruculosa Anastasiou = identity uncertain
+**wallrothii** (Hepp) Rehm = *Mycomicrothelia wallrothii*
#**willeyana** Müll. Arg. North American reports based on *Bogoriella socialis* (Aptroot & Lücking 2016)

MILOSPIDIUM D. Hawksw.

***graphideorum** (Nyl.) D. Hawksw. (Spribille et al. 2020)

MINUTOEXCIPULA V. Atienza & D. Hawksw.

***mariana** V. Atienza (Diederich 2003)

***miniatoexcipula** R. C. Harris & Lendemer (Lendemer et al. 2016c)

***tuckeriae** V. Atienza & D. Hawksw.

MIRIQUIDICA Hertel & Rambold (Hertel & Rambold 1987)

atrofulva (Sommerf.) A. J. Schwab & Rambold Syn.: Lecidea atrofulva

complanata (Körber) Hertel & Rambold (Spribille et al. 2020)

deusta (Stenh.) Hertel & Rambold Syn.: Lecidea deustata

garovaglioi (Schaerer) Hertel & Rambold Syn.: Lecidea garovaglioi, L. aenea

gyrizans Fryday (Spribille et al. 2020)

#**instrata** (Nyl.) Hertel & Rambold Syn.: Lecidea instrata

#**intrudens** (H. Magn.) Hertel & Rambold Syn.: Lecanora intrudens

leucophaea (Flörke ex Rabenh.) Hertel & Rambold Syn.: Biatora leucophaea, Lecidea leucophaea, L. marylandensis

leucophaeoides (Nyl.) Hertel & Andreev Syn.: Lecidea leucophaeoides (Hertel & Andreev 2003)

lulensis (Hellbom) Hertel & Rambold Syn.: Lecidea lulensis, L. circumnigrata var. reagens

#**nigroleprosa** (Vainio) Hertel & Rambold (Spribille et al. 2010)

plumbeoatra (Vainio) A. J. Schwab & Rambold Syn.: Lecidea plumbeoatra, L. furva, L. humilis

pulvinatula (Arnold) Hertel & Rambold Syn.: Lecidea circumnigrata

pyncocarpa (Körber) Andreev Syn.: Lecidea marciensis, L. pyncocarpa, Lecidella pyncocarpa (Coppins & Fryday 2006b)

scotopholis (Tuck.) B. D. Ryan & Timdal Syn.: Biatora scotopholis, Lecanora scotopholis, Lecidea scotopholis, Psora scotopholis, Psorula scotopholis (Nash et al. 2004a)

subplumbea (Anzi) Cl. Roux (McCune 2017, McMullin et al. 2017) Syn.: Biatora leucophaea var. griseoatra

#**verrucariicola** (B. D. Ryan) K. Knudsen & Kocourk. Syn.: Lecanora verrucariicola, Protoparmelia ryaniana (Knudsen et al. 2015)

griseoatra (Flotow) Hertel & Rambold = M. subplumbea

mexicana Rambold, Sipman & Hertel (Knudsen & Owe-Larson 2005) = M. scotopholis (Knudsen et al. 2008b, Lendemer & Knudsen 2008, Knudsen et al. 2015)

MIXTOCONIDIUM Etayo

nashii (Hafellner) Etayo & van den Boom Syn.: Plectocarpon nashii (Diederich et al. 2018)

MOBERGIA H. Mayrhofer & Sheard

angelica (Stizenb.) H. Mayrhofer & Sheard Syn.: Rinodina angelica, R. bolodes, R. dirinoides, Dimelaena angelica

calculiformis (W. A. Weber) H. Mayrhofer & Sheard Syn.: Rinodina calculiformis, R. platyloba

MOELLEROPSIS Gyelnik

nebulosa (Hoffm.) Gyelnik subsp. **nebulosa** (Jørgensen 2002)

nebulosa subsp. **frullaniae** Maass (Jørgensen 2000a, Maass 1986) = *Fuscopannaria nebulosa* (Tripp & Lendemer 2020)

MONEROLECHIA Trevisan

#**badia** (Fr.) Kalb Syn.: Buellia badia, B. turgescens, B. turgescensoides (Diederich et al. 2018)

#**californica** (H. Magn.) Elix Syn.: Dimelaena californica (Diederich et al. 2018)

MONOBLASTIA Riddle

borinquensis R. C. Harris (Harris 1995a)

buckii R. C. Harris

cypressi R. C. Harris (Harris 1995a)

palmicola Riddle (Seavey et al. 2017)
rappii Zahlbr.

MONOBLASTIOPSIS R. C. Harris & C. A. Morse

konzana R. C. Harris & C. A. Morse (Harris & Morse 2008)
nigrocortina R. C. Harris & C. A. Morse (Harris & Morse 2008)

MONODICTYS S. Hughes

***cellulosa** S. Hughes (Diederich 2003)
***epilepraria** Kukwa & Diederich (Seaward et al. 2017)
***fuliginosa** Etayo (Zhurbenko 2009b)

MONTANELIA Divakar, A. Crespo, Wedin & Essl. (Divakar et al. 2012)

disjuncta (Erichsen) Divakar, A. Crespo, Wedin & Essl. Syns.: *Melanelia disjuncta*, *Parmelia disjuncta*, *P. granulosa*, *P. denalii*
ocultipanniformis S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
panniformis (Nyl.) Divakar, A. Crespo, Wedin & Essl. Syns.: *Melanelia panniformis*, *Parmelia olivacea* f. *panniformis*, *P. panniformis*
saximontana (R. Anderson & W. Weber) S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016) Syns.: *Parmelia saximontana*, *P. substygia* p.p.
secwepemc S. Leavitt, Essl., Divakar, A. Crespo & Lumbsch (Leavitt et al. 2016)
sorediata (Ach.) Divakar, A. Crespo, Wedin & Essl. Syns.: *Melanelia sorediata*, *M. sorediosa*, *Parmelia olivacea* var. *sorediata*, *P. sorediata*, *P. sorediosa*
tominii (Oxner) Divakar, A. Crespo, Wedin & Essl. North American reports are *M. saximontana* or *M. Secwepemc*

MOSIGIA Fr. ex A. Massal. = **RIMULARIA**

gibbosa (Ach.) Fr. ex A. Massal. = *Rimularia gibbosa*

MUELLERELLA Hepp ex Müll. Arg.

***erratica** (A. Massal.) Hafellner & V. John (Knudsen & Kocourková 2009b)
***hospitans** Stizenb. (Spribille et al. 2010)
***lecanactidis** Diederich & van den Boom (Diederich 2003)
***lichenicola** (Sommerf. ex Fr.) D. Hawksw.
***polyspora** Hepp ex Müll. Arg. (Seaward et al. 2017)
***pygmaea** (Körber) D. Hawksw. Syn.: *Tichothecium pygmaeum*
***ventosicola** (Mudd) D. Hawksw.
**pygmaea* var. *athallina* (Müll. Arg.) Triebel = **M. erratica*
**pygmaea* var. *ventosicola* (Mudd) Triebel = **M. ventosicola*

MULTICLAVULA R. H. Petersen

coronilla (G. W. Martin) R. H. Petersen
corynoides (Peck) R. H. Petersen
mucida (Fr.) R. H. Petersen
sharpii R. H. Petersen
vernalis (Schwein.) R. H. Petersen

MYCOBILIMBIA Rehm

albohyalina (Nyl.) S. Y. Kondr. Syns.: *Biatora albohyalina*, *Lecidea albohyalina* (Kondratyuk et al. 2019)
berengeriana (A. Massal.) Hafellner & V. Wirth Syns.: *Lecidea berengeriana*, *Lecidea cuprea* var. *berengeriana*
carneoalbida (Müll. Arg.) S. Ekman & Printzen (Ekman 2004c) Syns.: *Bacidia carneoalbida*, *B. sphaeroides*, *Biatora carneoalbida*, *Bilimbia sphaeroides* auct.
epixanthoides (Nyl.) Vitik., Ahti, Kuusinen, Lommi & T. Ulvinen (Hafellner & Türk 2001)
Syns: *Biatora epixanthoides*, *Lecidea epixanthoides*

fissuriseda (Poelt) Poelt & Hafellner Syn.: *Lecidea fissuriseda*
pilularis (Körber) Hafellner & Türk Syn.: *Bacidia sphaeroides*, *Biatora sphaeroides*, *Bilimbia sphaeroides*, *Catillaria sphaeroides* (Hafellner & Türk 2001)
ramea (S. Ekman) S. Y. Kondr. Syn.: *Bacidina ramea* (Kondratyuk et al. 2019)
tetramera (De Not.) Vitik., Ahti, Kuusinen, Lommi & T. Ulvinen ex Hafellner & Türk (Hafellner & Türk 2001) Syn.: *Bacidia fusca*
accedens (Arnold) V. Wirth ex Hafellner = *Bilimbia accedens*
austrocalifornica (Zahlbr.) Knudsen (Knudsen 2005b) = *Carbonea latypizodes*
fusca (A. Massal.) Hafellner & V. Wirth = *M. tetramera*
hypnorum (Lib.) Kalb & Hafellner = *Bryobilimbia hypnorum*
lobulata (Sommerf.) Hafellner = *Bilimbia lobulata*
lurida (Ach.) Hafellner & Türk (Hafellner & Türk 2001) = *Romjularia lurida*
microcarpa (Th. Fr.) W. Brunnbauer = *Bilimbia microcarpa*
obscurata (Sommerf.) Rehm = *M. tetramera*
sabuletorum (Schreber) Hafellner = *Bilimbia sabuletorum*

MYCOBLASTUS Norman

affinis (Schaerer) T. Schauer
alpinus (Fr.) Th. Fr. Ex Hellbom
caesius (Coppins & P. James) Tønsberg Syn.: *Haematomma caesium*
glabrescens (Nyl.) Zahlbr. (Kantvilas 2009)
sanguinarioides Kantvilas (Spribille et al. 2011b)
sanguinarius (L.) Norman Syn.: *Megalospora sanguinaria*, *Heterothecium sanguinarium*
fucatus (Stirton) Zahlbr. = *Violella fucata* (Spribille et al. 2011a)
marginatus Degel. = *M. affinis* (Spribille & Tønsberg 2007)
melinus (Kremp. ex Nyl.) Hellbom = *M. affinis*
tornoënsis (Nyl.) R. A. Anderson = *Japewia tornoënsis*

MYCOCALICIUM Vainio

+**albonigrum** (Nyl.) Fink Syn.: *Calicium albonigrum*
+**americanum** (R. Sant.) Tibell
+**calicioides** (Nádv.) Tibell Syn.: *Sphinctrinella calicioides*
fuscipes (Tuck.) Fink Syn.: *Calicium fuscipes*
ravenelii (Tuck.) Fink Syn.: *Calicium ravenelii*
reticulatum Nádv.
+**sequoiae** Bonar
+**subtile** (Pers.) Szatala Syn.: *M. parietinum*, *Calicium subtile*
victoriae (C. Knight & F. Wilson) Nádv. (Nash et al. 1998; Tibell 2007)
+**compressulum** Nyl. ex Szatala = *Phaeocalicium compressulum*
***disseminatum** (Ach.) Fink = *Microcalicium disseminatum*
***microcephalum** (Sm.) Fink = *Sphinctrina anglica*
+**parietinum** (Ach. ex Schaerer) D. Hawksw. = *M. subtile*
#**pusiolum** (Ach.) Räsänen = *Chaenothecopsis pusiola*
+**rappii** Nádv. = *Chaenothecopsis rappii* (Harris 1995a)
+**savonicum** Räsänen = *Chaenothecopsis savonica*

MYCOGLAENA Höhnelt

+**acuminans** (Nyl.) Vainio
+**alni** (Dearness & House) Barr
+**canadensis** (Ellis & Everh.) Barr
+**elegans** (Berk. & Curtis) Höhnelt
+**meridionalis** (Zahlbr.) Szatala
+**myricae** (Nyl.) R. C. Harris
+**quercicola** R. C. Harris
+**subcoerulescens** (Nyl.) Höhnelt

MYCOMICROTHELIA Keissler

- +**dothideaspora** (Cook & Harkn.) D. Hawksw.
- +**inaequalis** (Fabre) D. Hawksw.
- #**subfallens** (Müll. Arg.) D. Hawksw.
- +**wallrothii** (Hepp) D. Hawksw. Syn.: *Microthelia wallrothii*, *M. oblongata*
- +**apposita** (Nyl.) D. Hawksw. (Seavey et al. 2017) = *Bogoriella apposita* (Aptroot & Lücking 2016)
- #**captiosa** (Kremp.) D. Hawksw. = *Bogoriella captiosa* (Aptroot & Lücking 2016)
- +**decipiens** (Müll. Arg.) R. C. Harris (Seavey et al. 2017) = *Bogoriella decipiens* (Aptroot & Lücking 2016)
- #**hemisphaerica** (Müll. Arg.) D. Hawksw. = *Bogoriella hemisphaerica* (Aptroot & Lücking 2016)
- thelena** (Ach.) D. Hawksw. = *Bogoriella thelena*, but not found in North America
- #**willeyana** (Müll. Arg.) D. Hawksw. North American reports based on *Bogoriella socialis* (Aptroot & Lücking 2016)

MYCOPORELLUM Müll. Arg.

- californicum** Zahlbr. = *Mycoporum californicum* (Harris 1995a)
- difforme** (Minks) Fink = *Mycoporum lacteum* (Harris 1995a)
- hassei** Zahlbr. = *Mycoporum lacteum* (Harris 1995a)
- sparsellum** (Nyl.) Müll. Arg. = *Mycoporum sparsellum* (Harris 1995a)

MYCOPORUM Flotow ex Nyl.

- acervatum** R. C. Harris (Harris 1995a)
- antecellens** (Nyl.) R. C. Harris Syn.: *Arthopyrenia antecellens* (Harris 1995a)
- biseptatum** Lendemer & R. C. Harris Syn.: *Arthonia biseptata* (Lendemer & Harris 2014c, Lendemer & Harris 2015a)
- buckii** R. C. Harris (Harris 1995a)
- californicum** (Zahlbr.) R. C. Harris (Harris 1995a) Syn.: *Tomasellia californica*, *Mycoporellum californicum*
- compositum** (A. Massal.) R. C. Harris Syn.: *Dermatina "pyrenocarpa"*, *Arthothelium lichenale*
- eschweileri** (Müll. Arg.) R. C. Harris (Harris 1995a) Syn.: *Tomasellia eschweileri*
- +**hippocastani** (DC) Coppins (Aptroot 2002c)
- lacteum** (Ach.) R. C. Harris (Harris 1995a) Syn.: *Mycoporellum difforme*, *M. hassei*, *Tomasellia lactaea*
- mycoporoides** (Müll. Arg.) R. C. Harris (Harris 1995a) Syn.: *Arthopyrenia mycoporoides*
- pyncocarpoides** Müll. Arg.
- sparsellum** Nyl. (Harris 1995a) Syn.: *Tomasellia sparsella*, *Mycoporellum sparsellum*
- uniloculatum** R. C. Harris (Harris 1995a)
- ohiense** Nyl. ex Fink = *M. compositum*
- pyncocarpum** Nyl. = *M. compositum*

MYELOCHROA (Asahina) Elix & Hale

- aurulenta** (Tuck.) Elix & Hale Syn.: *Parmelina aurulenta*, *Parmelia aurulenta*, *P. silvestris*
- galbina** (Ach.) Elix & Hale Syn.: *Parmelina galbina*, *Parmelia galbina*, *P. subquercifolia*, *P. sulphurosa*, *P. tiliacea* var. *sulphurosa*
- metarevoluta** (Asahina) Elix & Hale Syn.: *Parmelina metarevoluta*, *Parmelia metarevoluta*
- obsessa** (Ach.) Elix & Hale Syn.: *Parmelina obsessa*, *Parmelia obsessa*, *P. finkii*

MYOCHROIDEA Printzen, T. Sprib. & Tønsberg (Printzen et al. 2008)

- leprosula** (Arnold) Printzen, T. Sprib. & Tønsberg
- minutula** Printzen, T. Sprib. & Tønsberg
- porphyrospoda** (Anzi) Printzen, T. Sprib. & Tønsberg Syn.: *Biatora porphyrospoda*, *Lecidea porphyrospoda*
- rufofusca** (Anzi) Printzen, T. Sprib. & Tønsberg Syn.: *Biatora rufofusca*, *Lecidea rufofusca*

MYRIOLECIS Clem.

- agardhiana** (Ach.) Śliwa, Zhao Xin & Lumbsch Syn.: *Lecanora agardhiana* (Zhao et al. 2016)

albescens (Hoffm.) Šliwa, Zhao Xin & Lumbsch Syns.: *Lecanora albescens*, *L. galactina* (Zhao et al. 2016)
andrewii (B. de Lesd.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora andrewii* (Zhao et al. 2016)
carlottiana (Lewis & Šliwa) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora carlottiana* (Zhao et al. 2016)
contractula (Nyl.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora contractula* (Zhao et al. 2016)
crenulata (Hooker) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora crenulata* (Zhao et al. 2016)
dispersa (Pers.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora dispersa* (Zhao et al. 2016)
flowersiana (H. Magn.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora flowersiana* (Zhao et al. 2016)
fugiens (Nyl.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora fugiens* (Zhao et al. 2016)
hagenii (Ach.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora hagenii* (Zhao et al. 2016)
invadens (H. Magn.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora invadens* (Zhao et al. 2016)
juniperina (Šliwa) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora juniperina* (Zhao et al. 2016)
percrenata (H. Magn.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora percrenata* (Zhao et al. 2016)
perpruinosa (Fröberg) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora perpruinosa* (Zhao et al. 2016)
persimilis (Th. Fr.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora persimilis* (Zhao et al. 2016)
salina (H. Magn.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora salina* (Zhao et al. 2016)
sambuci (Pers.) Clem. Syns.: *Lecanora hagenii* var. *sambuci*, *L. sambuci* (Zhao et al. 2016)
schofieldii (Brodo) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora schofieldii* (Zhao et al. 2016)
semipallida (H. Magn.) Šliwa, Zhao Xin & Lumbsch Syns.: *Lecanora flotoviana*, *L. semipallida* (Zhao et al. 2016)
straminea (Ach.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora straminea* (Zhao et al. 2016)
torrida (Vainio) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora torrida* (Zhao et al. 2016)
wetmorei (Šliwa) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora wetmorei* (Zhao et al. 2016)
zosteræ (Ach.) Šliwa, Zhao Xin & Lumbsch Syn.: *Lecanora zosteræ* (Zhao et al. 2016)

MYRIONORA R. C. Harris

albidula (Willey) R. C. Harris Syns.: *Biatora albidula*, *Biatorella albidula*
ementiens (Nyl.) S. Y. Kondr. Syns.: *Biatora ementiens*, *Lecidea ementiens* (Kondratyuk et al. 2019)
flavopunctata (Tønsberg) S. Y. Kondr. Syns.: *Biatora flavopunctata*, *Lecanora flavopunctata* (Kondratyuk et al. 2019)
globulosa (Flörke) S. Y. Kondr. Syns.: *Bacidia globulosa*, *Biatora globulosa*, *Lecania globulosa*, *Lecidea globulosa*, *L. sylvana* (Printzen 2004, Kondratyuk et al. 2019)
hemipolia (Nyl.) S. Y. Kondr. Syns.: *Bacidia hemipolia*, *Biatora hemipolia* (Kondratyuk et al. 2019)
ligni-mollis (T. Sprib. & Printzen) S. Y. Kondr. Syn.: *Biatora ligni-mollis* (Kondratyuk et al. 2019)
vacciniicola (Tønsberg) S. Y. Kondr. Syns.: *Biatora vacciniicola*, *Lecidea vacciniicola* (Kondratyuk et al. 2019)

MYRIOSPORA Nägeli ex Uloth (Arcadia & Knudsen 2012)

dilatata (M. Westb. & Wedin) Arcadia (Spribille et al. 2020)
hassei (Herre) K. Knudsen & Arcadia Syns.: *Acarospora hassei*, *A. particularis*, *Silobia hassei* (Arcadia & Knudsen 2012)
myochroa (M. Westb.) K. Knudsen & Arcadia (Spribille et al. 2020 ; McCune et al. 2020)
rhagadiza (Nyl.) K. Knudsen & Arcadia Syns.: *Acarospora amphibola* auct., *Silobia rhagadiza* (Arcadia & Knudsen 2012)
scabrida (Hedl. ex Magn.) K. Knudsen & Arcadia Syns.: *Acarospora scabrida*, *Silobia scabrida* (Arcadia & Knudsen 2012)
smaragdula (Wahlenb. ex Ach.) Nägeli ex Uloth Syns.: *Acarospora amphibola*, *A. smaragdula*, *A. smaragdula* var. *lesdainii*, *Silobia smaragdula* (Arcadia & Knudsen 2012)
tangerina (M. Westb. & Wedin) K. Knudsen & Arcadia (Spribille et al. 2020)

heppii (Nägeli ex Körber) Hue = *Caeruleum heppii*
immersa (Fink ex J. Hedrick) R. C. Harris = *Caeruleum immersum*

MYRIOTREMA Fée

clandestinum (Fée) Hale Syn.: *Ocellularia terebratula* (Lücking et al. 2016)
glauculum (Nyl.) Hale
microporum (Mont.) Hale Syn.: *Ocellularia micropora*, *Thelotrema microporum*
rugiferum (Harm.) Hale
bahianum (Ach.) Hale North American reports are *Ocellularia obturascens* (Lücking et al. 2011)
compunctum (Ach.) Hale = *Leucodecton occultum*
erodens R. C. Harris = *Ocellularia erodens* (Lücking et al. 2016)
glaucescens (Nyl.) Hale = *Leucodecton glaucescens*
glaucophaenum (Kremp.) Hale = *Glaucotrema glaucophaenum*
granulosum (Leighton) Hale Erroneously reported for North America
halei (Tuck.) Hale = *Fibrillithecis halei*
laeviusculum (Nyl.) Hale = *Ocellularia laeviusculum* (Lücking et al. 2016)
peninsulae R. C. Harris = *Nadvornikia peninsulae* (Lücking et al. 2016)
pyncnoporellum (Nyl.) Hale (Lücking et al. 2011b) = *Pycnotrema pyncnoporellum* (Lücking et al. 2016)
reclusum (Kremp.) Hale = *Leucodecton compunctellum* (Lücking et al. 2016)
subcompunctum (Nyl.) Hale = *Leucodecton subcompunctum*
terebratulum (Nyl.) Hale = *Myriotrema clandestinum* (Lücking et al. 2016)
wightii (Taylor) Hale = *Sanguinotrema wightii*

MYXOBILIMBIA Hafellner = *BILIMBIA* (Veldkamp 2004)
accedens (Arnold) Hafellner = *Bilimbium accedens*
sabuletorum (Schreber) Hafellner = *Bilimbium sabuletorum*

MYXOPHORA Döbbeler & Poelt

***leptogiphila** (Minks ex G. Winter) Nik. Hoffm. & Hafellner (Hoffmann & Hafellner 2000)

MYXOTRICHUM Kunze

***bicolor** (Ehrenb. ex Pers.) Fr.
poluninii Apinis = M.

NADVORNIKIA Tibell

hawaiiensis (Tuck.) Tibell
peninsulae (R. C. Harris) I. Medeiros, Lücking & Lumbsch Syn.: *Myriotrema peninsulae* (Lücking et al. 2016)
sorediata R. C. Harris

NAETROCYMBE Körber

#**atomarioides** (Müll. Arg.) R. C. Harris (Harris 1995a)
#**attractospora** (Zahlbr.) R. C. Harris (Harris 1995a)
#**cedrina** (Zahlbr.) R. C. Harris (Harris 1995a)
#**fraxini** (Massal.) R. C. Harris (Harris 1995a)
herrei K. Knudsen & Lendemer (Knudsen & Lendemer 2009b)
#**megalospora** (Lönnr.) R. C. Harris (Harris 1995a)
#**punctiformis** (Pers.) R. C. Harris (Harris 1995a)
#**quassiicola** (Fée) R. C. Harris (Harris 1995a)
rhypona (Ach.) R. C. Harris Syn.: *Arthopyrenia rhypona* (Aptroot 2002a)
saxicola (A. Massal.) R. C. Harris (Lendemer et al. 2010)
#**massalongiana** (Hepp) R. C. Harris A European species, listed here erroneously (Harris 1995a)

NAEVIA Fr. (Thiyagaraja et al. 2020)

***dispersa** (Schrader) Thiyagaraja., Lücking & K. D. Hyde Syn.: *Arthonia dispersa* (Thiyagaraja

et al. 2020)

⁺**pinastri** (Anzi) Thiyagaraja., Lücking & K. D. Hyde Syn.: *Arthonia pinastri* (Thiyagaraja et al. 2020)

⁺**punctiformis** (Ach.) A. Massal. Syn.: *Arthonia punctiformis* (Thiyagaraja et al. 2020)

NANOSTICTIS M. S. Christ.

***christiansenii** Etayo (Alstrup & Cole 1998)

***pseudocyphellariae** Sherwood

NECTRIA (Fr.) Fr.

⁺**zonata** Seaver

***lecanodes** Ces. (Esslinger & Egan 1995) = *Nectriopsis lecanodes*

***parmeliae** (Berk. & M. A. Curtis) D. Hawksw. = *Ovicuculispora parmeliae*

***rubefaciens** Ellis & Everh. = [Trichonectria rubefaciens](#)

NECTRIELLA Nitschke ex Fuckel

***anisospora** Lowen = [Trichonectria anisospore](#)

NECTRIOPSIS Maire

***cladoniicola** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001)

***lecanodes** (Ces.) Diederich & Schroers Syn. *Nectria lecanodes* (Sérusiaux et al. 1999)

***parmeliae** (Berk. & M. A. Curtis) M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001) = *Ovicuculispora parmeliae*

***rubefaciens** (Ellis & Everh.) M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001) = [Trichonectria rubefaciens](#)

NEOBARYA Lowen

***peltigerae** Lowen, Boqueras & Gomez-Bolea (Zhurbenko 2009c)

NEOCATAPYRENIUM Harada

disparatum Breuss (Breuss 2005)

NEOCOLEROA Petrak

***inundata** (Vainio) Diederich (Harris & Lendemer 2009) Reported as uncertain

NEOECHINODISCUS Molinari & R. Sierra

***lesdainii** Molinari & R. Sierra Syn.: [Echinodiscus lesdainii](#) (Sierra & Molinari-Novoa 2020)

NEOFUSCELIA Essl. = **XANTHOPARMELIA** (Blanco et al. 2004b; but, see McCune et al 2014b)

ahtii (Essl.) Essl. = *Xanthoparmelia ahtii*

atticoides (Essl.) Essl. = *Xanthoparmelia atticoides*

brunella (Essl.) Essl. = *Xanthoparmelia brunella*

chiricahuensis (R. A. Anderson & W. A. Weber) Essl. = *Xanthoparmelia chiricahuensis*

infrapallida (Essl.) Essl. = *Xanthoparmelia infrapallida*

loxodes (Nyl.) Essl. = *Xanthoparmelia loxodes*

occidentalis (Essl.) Essl. = *Xanthoparmelia occidentalis*

pulla (Ach.) Essl. = *Xanthoparmelia pulla*, but not present in North America

pustulosa (Essl.) Essl. = *Xanthoparmelia pustulosa*

subhosseana (Essl.) Essl. = *Xanthoparmelia subhosseana*

verruculifera (Nyl.) Essl. = *Xanthoparmelia verruculifera*

NEOLAMYA Theissen & Sydow

***peltigerae** (Mont.) Theissen & Sydow (Alstrup & Cole 1998)

***xanthoparmeliae** Kocourk. (Kocourková 2009)

NEONORRLINIA Sydow

*trypetheliza (Nyl.) Sydow (Weber & Wittman 2000) = Cercidospora trypetheliza

NEOPROTOPARMELIA Garima Singh, Lumbsch & I. Schmitt (Singh et al. 2018)

amerisidiata Garima Singh & Aptroot (Singh et al. 2018) Syn.: N.A. report of Prototarmelia isidiata belongs here

capitata (Lendemer) Garima Singh, Lumbsch & I. Schmitt (Singh et al. 2018)

NEPHROMA Ach.

arcticum (L.) Torss.

bellum (Sprengel) Tuck.

expallidum (Nyl.) Nyl.

helveticum Ach. subsp. **helveticum** Syn.: Nephromium helveticum

helveticum subsp. **sipeanum** (Gyelnik) Goward & Ahti

isidiosum (Nyl.) Gyelnik

laevigatum Ach.

occultum Wetmore

parile (Ach.) Ach.

resupinatum (L.) Ach. Syn.: Sticta drummondii

aspera Tuck. = N. helveticum subsp. helveticum

canadense Räsänen = N. helveticum subsp. sipeanum

filarszkyanum Gyelnik = N. bellum

helveticum Ach. var. sipeanum (Gyelnik) Wetmore = N. helveticum subsp. sipeanum

laevigatum auct. non Ach. = N. Bellum

laevigatum Ach. var. parile (Ach.) Mudd (Tuckerman 1882) = Nephroma parile

lusitanicum Schaerer = N. laevigatum Ach. non auct.

massachusettsianum Gyelnik = N. helveticum subsp. helveticum

plittii Gyelnik = N. helveticum subsp. helveticum

rameum (Schaerer) A. Massal. (Fink 1935) = N. resupinatum (L.) Ach. (Wetmore 1960)

silvae-veteris Goward & Goffinet = Lobaria silvae-veteris

sipeanum Gyelnik = N. helveticum subsp. sipeanum

szatalae Gyelnik = N. laevigatum

subtomentellum (Nyl.) Gyelnik = N. bellum

tomentosum (Hoffm.) Flotow (Tuckerman 1882) = Nephroma resupinatum

washingtoniense Gyelnik = N. laevigatum

NEPHROMIUM Nyl. = NEPHROMA

helveticum (Ach.) Nyl. = Nephroma helveticum

tropicum (Müll. Arg.) Zahlbr. (Gyelnik 1932) = Nephroma helveticum subsp. helveticum

NEPHROMOPSIS Müll. Arg.

californica Gyelnik = Tuckermannopsis orbata (Tucker 2013)

ciliaris (Ach.) Hue = Tuckermannopsis ciliaris

platyphylla (Tuck.) Herre = Tuckermannopsis platyphylla

NESOLECHIA A. Massal. (Diederich et al. 2018)

***doerfeltii** (Alstrup & P. Scholz) Diederich Syn.: Phacopsis doerfeltii

***oxyspora** (Tul.) A. Massal. Syn.: Abrothallus oxyspora, Biatora oxyspora, Lecidea oxyspora, Phacopsis oxyspora

***oxyspora** var. **fusca** (Triebel & Rambold) Diederich Syn.: Phacopsis fusca, P. oxyspora var. fusca

***thallicola** (A. Massal.) A. Massal. Syn.: Phacopsis thallicola

cladoniscum (Willey) Fink = apothecia of Pycnothelia papillaria

*oxysporella (Nyl.) Arnold (Fink 1935) Identity uncertain (Esslinger & Tucker 2009)

papillariae (Willey) Fink (Fink 1935) = apothecia of Pycnothelia papillaria (Rambold & Triebel)

1992)

*vitellinaria (Nyl.) Rehm (Fink 1935) = *Carbonea vitellinaria* (Scholz 2000)

NEUROPOGON Nees & Flotow = *USNEA*

lambii Imshaug = *Usnea lambii*

sulphureus (J. König) Hellbom North American reports are *Usnea sphacelata*

sphacelatus (R. Br.) Alstrup & E. S. Hansen = *Usnea sphacelata*

NIEBLA Rundel & Bowler

cedrosensis J. E. Marsh & T. H. Nash Syn.: *Vermilacinia cedrosensis*, *V. reptiloderma* (Bowler & Marsh 2004)

cephalota (Tuck.) Rundel & Bowler Syn.: *Desmazieria cephalota*, *Ramalina*, *cephalota*, *Vermilacinia cephalota* (Bowler & Marsh 2004)

ceruchis Rundel & Bowler Syn.: *Desmazieria ceruchis*, *Ramalina*, *ceruchis*, *Vermilacinia cerebra*, *V. corrugata*, *V. ceruchis*, *V. howei*, *V. leoni*, *V. leopardina*, *V. nylanderii*, *V. vesiculosa*, *V. zebrina* (Bowler & Marsh 2004)

ceruchooides Rundel & Bowler Syn.: *Desmazieria ceruchooides*, *Vermilacinia ceruchooides*, *V. acicularis*, *V. pumila* (Bowler & Marsh 2004)

combeoides (Nyl.) Rundel & Bowler Syn.: *Desmazieria combeoides*, *Ramalina combeoides*, *Vermilacinia combeoides* (Bowler & Marsh 2004)

homalea (Ach.) Rundel & Bowler Syn.: *Desmazieria homalea*, *D. testudinaria*, *Ramalina homalea*, *R. testudinaria*

isidiascens Bowler, J. E. Marsh, T. H. Nash & Riefner

laevigata Bowler & Rundel Syn.: *Vermilacinia johncassadyi*, *V. laevigata*, *V. ligulata*, *V. paleoderma*, *V. rigida*, *V. rosei*, *V. varicosa* (Bowler & Marsh 2004)

polymorpha Bowler, J. E. Marsh, T. H. Nash, & Riefner Syn.: *Vermilacinia polymorpha* (Bowler & Marsh 2004)

procera Rundel & Bowler Syn.: *Vermilacinia procera* (Bowler & Marsh 2004)

ramosissima Spjut (Spjut 1996, Knudsen & Wheeler 2015)

robusta (R. Howe) Rundel Syn.: *Ramalina combeoides* var. *robusta*, *Vermilacinia robusta* (Bowler & Marsh 2004)

tuberculata Riefner, Bowler, J. E. Marsh & T. H. Nash Syn.: *Vermilacinia tuberculata* (Bowler & Marsh 2004)

caespitosa Spjut (Spjut 1996) = *N. homalea*

cornea Spjut (Spjut 1996) = *N. homalea*

dactylifera Spjut (Spjut 1996) = *N. homalea*

disrupta (Nyl.) Spjut (Spjut 1996) = *N. homalea*

dissecta Spjut (Spjut 1996) = *N. homalea*

eburnea Spjut (Spjut 1996) = *N. homalea*

fimbriata Spjut (Spjut 1996) = *N. homalea*

flaccescens (Nyl.) Rundel & Bowler = a South American species, not in North America

flagelliforma Spjut (Spjut 1996) = *N. homalea*

halei Spjut (Spjut 1996) = *N. homalea*

infundibula Spjut (Spjut 1996) = *N. homalea*

laminaria Spjut (Spjut 1996) = *N. homalea*

palmeri Spjut (Spjut 1996) = *N. homalea*

siphonoloba Spjut (Spjut 1996) = *N. homalea*

sorediata Spjut (Spjut 1996) = *N. homalea*

sorocarpia Spjut (Spjut 1996) = *N. homalea*

testudinaria (Nyl.) Spjut (Spjut 1996) = *N. homalea*

undulata Spjut (Spjut 1996) = *N. homalea*

NISSLIA Auersw.

***cladonicola** D. Hawksw. & W. Gams (Hansen & Alstrup 1995)

***keissleri** Zhurb. (Zhurbenko & Pino-Bodas 2017)

***lobariae** Etayo & Diederich (Zhurbenko & Dillman 2010)

***peltigerae** Pérez-Ort. (Spribille et al. 2020)

***peltigericola** (D. Hawksw.) Etayo (Zhurbenko 2010) [Syns.: Raciborskiomyces peltigericola, Wentiomyces peltigericola \(Gams et al. 2019\)](#)

NIGROPUNCTA D. Hawksw.

***rugulosa** D. Hawksw. (Alstrup & Cole 1998)

NIGROVOTHELIUM Lücking, M. P. Nelsen & Aptroot

tropicum (Ach.) Lücking, M. P. Nelsen & Aptroot [Syns.: Pyrenula tropica, Trypethelium tropicum \(Aptroot et al. 2016\)](#)

NODOBRYORIA Common & Brodo

abbreviata (Müll. Arg.) Common & Brodo [Syns.: Bryoria abbreviata, Alectoria abbreviata](#)

oregana (Tuck.) Common & Brodo [Syns.: Bryoria oregana, Alectoria oregana](#)

subdivergens (E. Dahl) Common & Brodo [Syns.: Bryoria subdivergens, Alectoria subdivergens](#)

NORMANDINA Nyl.

acroglypta (Norman) Aptroot (McCune et al. 2018, Spribille et al. 2020)

pulchella (Borrer) Nyl. [Syn.: Lauderlindsaya borneri \(Muggia et al. 2010\)](#)

OBRYZUM Wallr.

***corniculatum** Wallr. (Diederich 2007b)

OCELLULARIA G. Meyer

americana Hale

auberianoides (Nyl.) Müll. Arg. (Lücking et al. 2011b)

cavata (Ach.) Müll. Arg.

concolor Meyen & Flotow (Harris 1995a)

erodens (R. C. Harris) Kraichak, Lücking & Lumbsch [Syn.: Myriotrema erodens \(Lücking et al. 2016\)](#)

fissa (Nyl.) Hale

laeviuscula (Nyl.) Kraichak, Lücking & Lumbsch [Syns.: Leptotrema laeviusculum, Myriotrema laeviuscula \(Lücking et al. 2016\)](#)

obturascens (Nyl.) Hale (Lücking et al. 2011b) [Syn.: Thelotrema bahianum var. obturascens](#)

postposita (Nyl.) A. Frisch (Frisch 2006)

praestans (Müll. Arg.) Hale [Syn.: Thelotrema praestans](#)

retispora R. C. Harris

sanfordiana (Zahlbr.) Hale [Syn.: Thelotrema sanfordianum](#) Possible synonym of *Ocellularia interposita* (Frisch 2006)

alborosella (Nyl.) R. Sant. = *Chapsa alborosella*

auberiana (Mont.) Hale = *Stegobolus auberianus*

bahiana (Ach.) A. Frisch North American reports are *O. obturascens* (Lücking et al. 2011)

carnea (Eckfeldt) Zahlbr. = *Mazosia ocellata*

domingensis (Fée) Müll. Arg. = misidentification for North America

emersa (Kremp.) Müll. Arg. (Harris 1995a) = *Rhabdodiscus emersus*

floridensis Fink = *Thelotrema porinoides*

glaucophaena (Kremp.) Zahlbr. = *Glaucotrema glaucophaenum*

granulosa (Tuck.) Zahlbr. = *Rhabdodiscus granulatus*

interposita (Nyl.) Hale = misidentification for North America

lathraea (Tuck.) Zahlbr. = *Thelotrema lathraeum*

leiostoma (Tuck.) R. C. Harris = *Redingeria leiostoma* (Tuck.) A. Frisch, but not in North America (Frisch & Kalb 2006)

meiosperma (Nyl.) Hale = *Melanotrema meiospermum*

micropora (Mont.) Müll. Arg. = *Myriotrema microporum*

stictidea (Nyl.) Vězda = *Trinathotrema stictideum*

subtilis (Tuck.) Riddle = Thelotrema subtile
terebratula (Nyl.) Müll. Arg. = Myriotrema clandestinum

OCHROLECHIA A. Massal.

africana Vainio
alaskana (Verseghy) Kukwa (Kukwa 2009b)
androgyna (Hoffm.) Arnold
antillarum Brodo
arborea (Kreyer) Almb.
bahusiensis H. Magn. (McCune et al. 2020)
brodoi Kukwa (Brodo & McCune 2017)
bryophaga (Erichsen) K. Schmitz & Lumbsch Syn.: *Pertusaria bryophaga*
cooperi T. Sprib. (Spribille et al. 2020)
farinacea Howard
frigida (Sw.) Lynge
gowardii Brodo
grimmiae Lynge
gyalectina (Nyl.) Zahlbr.
inaequatula (Nyl.) Zahlbr.
isidiata (Malme) Verseghy (Lendemer & Harris 2014b)
juvenalis Brodo
laevigata (Räsänen) Verseghy
mahluensis Räsänen (Brodo & Lendemer 2012; Knudsen 2012)
mexicana Vainio
microstictoides Räsänen (Brodo & Lendemer 2012)
minuta (Degel.) T. Sprib. Syn.: *Coccotrema minutum*, *Perforaria minuta* (Spribille et al. 2020)
montana Brodo
oregonensis H. Magn.
pseudopallescens Brodo
rhodoleuca (Th. Fr.) Brodo Syn.: *Pertusaria rhodoleuca*
splendens Lumbsch & Messuti (Roemer et al. 2004)
subathallina H. Magn.
subisidiata Brodo
subpallescens Verseghy
subplicans (Nyl.) Brodo subsp. **subplicans** Syn.: *Pertusaria subplicans*
subplicans subsp. **hultenii** (Erichsen) Brodo Syn.: *Pertusaria hultenii*
szatalaënsis Verseghy
tartarea (L.) A. Massal. Syn.: *Lecanora tartarea*
[*Pertusaria trachydactyla* Vainio]
trochophora (Vainio) Oshio var. **trochophora** Syn.: *Lecanora pallescens* var. *rosella*
trochophora var. **pruiniroSELLA** Brodo
turneri (Sm.) Hasselrot (Brodo & Lendemer 2012)
upsaliensis (L.) A. Massal.
xanthostoma (Sommerf.) K. Schmitz & Lumbsch Syn.: *Pertusaria xanthostoma*
yasudae Vainio
alboflavescens (Wulfen) Zahlbr. = a European taxon, not in North America
apiculata Verseghy Mistakenly reported for North America
californica Verseghy = *O. oregonensis*
elisabethae-kolae Verseghy = *O. frigida*
frigida f. alaskana Verseghy = *O. alaskana*
geminipara (Th. Fr.) Vainio = [Toensbergia geminipara](#)
gonatodes (Ach.) Räsänen = *O. frigida*
groenlandica Verseghy = *O. frigida* (Kukwa 2009a)
pacific H. Magn. = *Coccotrema pocillarium*
pallescens (L.) A. Massal. Not in North America
parella (L.) A. Massal. Not in North America

pennsylvanica Verseggy = *O. yasudae*
pseudotartarea (Vainio) Verseggy = *O. szatalaënsis* (Brodo 1992, Messuti & Lumbsch 2000)
pterulina (Nyl.) Howard = *O. frigida*
rhamni-purshianae E. Senft Identity uncertain
rosella (Müll. Arg.) Verseggy = *O. trochophora*
sorediosa Howard = *O. szatalaënsis*
subviridis (Høeg) Erichsen Not in North America
tuckermanii Verseggy = *O. yasudae*

ODONTOTREMA Nyl. (Baloch et al. 2013b)

*bryoriae Diederich & Etayo (Diederich et al. 2002) = *Sphaeropezia intermedia*
*intermedium Diederich, Zhurb. & Etayo (Diederich et al. 2002) = *Sphaeropezia intermedia*
*lecanorae Diederich & G. Marson (Diederich et al. 2002) = *Sphaeropezia lecanorae*
*melaneliae Diederich & Zhurb. (Diederich et al. 2002) = *Sphaeropezia melaneliae*
*ochrolechia Diederich, Holien & Zhurb. (Diederich et al. 2002) = *Sphaeropezia ochrolechia*
*santessonii Zhurb., Etayo & Diederich (Zhurbenko 2012) = *Sphaeropezia santessonii*
*sipei (Grummann) Diederich (Diederich et al. 2002) = *Sphaeropezia sipei*
*thamnoiae Zhurb., Diederich & Etayo (Zhurbenko 2012) = *Sphaeropezia thamnoiae*

OMPHALARIA Girard & Dunal ex Nyl. = **THYREA**

girardii Durieu & Mont. = *Thyrea girardii*
kansana Tuck. = *Peccania kansana*
pulvinata (Schaerer) Nyl. (Claassen 1912) North American reports are *Thyrea confusa*
symphorea (Ach.) Tuck. = *Synalissa ramulosa*
texana (Tuck.) Tuck. (Tuckerman 1882) = *Peccania texana*
phyllisca (Wahl.) Tuck. (Tuckerman 1882) Identity uncertain
pyrenoides Nyl. (Tuckerman 1882) = *Paulia pyrenoides*
umbella Tuck. = *Lempholemma umbella*

OMPHALINA Quélet

alpina (Britzelm.) Bresinsky & Stangl = *Lichenomphalia alpina*
ericetorum (Pers. : Fr.) M. T. Lange = *Lichenomphalia umbellifera*
hudsoniana (H. S. Jenn.) H. E. Bigelow = *Lichenomphalia hudsoniana*
luteovitellina (Pilát & Nannf.) M. T. Lange = *Lichenomphalia alpina*
*peltigerina (Peck) P. Collin = *Arrhenia peltigerina*
umbellifera (L. : Fr.) Quélet = *Lichenomphalia umbellifera*
velutina (Quélet) Quélet = *Lichenomphalia velutina*

OMPHALODISCUS Schol. = **UMBILICARIA**

crustulosus (Ach.) Schol. = *Umbilicaria crustulosa*
decussatus (Vill.) Schol. = *Umbilicaria decussata*
krascheninnikovii (Savicz) Schol. = *Umbilicaria krascheninnikovii*, but N.A. reports are *U. polaris*
virginis (Schaerer) Schol. = *Umbilicaria virginis*

OMPHALODIUM Meyen & Flotow

arizonicum (Tuck.) Tuck. = *Omphalora arizonica*

OMPHALORA T. H. Nash & Hafellner

arizonica (Tuck.) T. H. Nash & Hafellner Syns.: *Lecanora arizonica*, *Omphalodium arizonicum*, *Parmelia arizonica*

OPEGRAPHA Ach.

***agelaea** Fée (Ertz 2009)
anguinella (Nyl.) Ertz & Diederich (Ertz et al. 2009) Syns.: *Enterographa anguinella*, *Schismatomma pallidellum* auct.

***anomea** Nyl. (Ertz et al. 2004)
astraea Tuck. Syn.: *Melaspilea octomera*
aurantiaca B. de Lesd. (Harris 1995a)
bonplandii Fée
***buelliae** Zhurb. (Zhurbenko 2013)
candida Müll. Arg.
***diffracticola** R. C. Harris & Ladd (Harris & Ladd 2005, 2007)
dolomitica (Arnold) Clauzade & Cl. Roux ex Torrente & Egea (Lendemer et al. 2009b)
erosa Egea & Ertz (Ertz & Egea 2007))
***foreaui** (Moreau) Hafellner & R. Sant. (Diederich 2003)
fumosa Coppins & P. James (Tønsberg 1997 [1998])
***geographicola** (Arnold) Hafellner (Dillman et al. 2012)
gyrophorica F. Seavey & J. Seavey (Seavey et al. 2014)
halophila Brodo & Tønsberg (Brodo & Tønsberg 2020)
***hellespontica** Vondrák & Kocourk. (Kocourková & Knudsen 2009d)
***inconspicua** Ertz, S. R. Clayden & K. E. Driscoll (Ertz et al. 2021a)
keyensis F. Seavey & J. Seavey (Seavey et al. 2014)
***lamyi** (O. J. Rich. ex Nyl.) Triebel Syn.: *Leciographa lamyi*
leucoplaca Müll. Arg.
levidensis Willey (Fink 1935, Esslinger & Tucker 2009)
lithyrga Ach.
***melanospila** Müll. Arg. (Diederich 2003)
mesophlebia Nyl. Syn.: *Melaspilea mesophlebia* (Perlmutter et al. 2015)
microcyelia Tuck.
moroiziana Lendemer (Lendemer 2009)
niveoatra (Borrer) J. R. Laundon
***parmeliiperda** Ertz, K. E. Driscoll & S. R. Clayden (Ertz et al. 2021a)
***phaeophysciae** R. Sant., Diederich, Ertz & Christnach (Hafellner 2009)
prosodea Ach.
protocetrarica F. Seavey & J. Seavey (Seavey et al. 2014)
protuberans Zahlbr.
***pulvinata** Rehm Syn.: *Opegraphoidea pulvinata*
ravenelii (Tuck.) Tehler Syn.: *Lecanactis ravenelii*, *Platygrapha ravenelii*, *Schismatomma ravenelii*
***rupestris** Pers. Syn.: *Leciographa parasitica*
sorediifera P. James
***sphaerophoricola** Isbrand & Alstrup
***stereocaulicola** Alstrup & D. Hawksw. (Zhurbenko 2010)
***thelotrematis** Coppins (Tønsberg 1997 [1998])
umbellulariae Zahlbr.
vulgata Ach.
xerica Torrente & Egea (Ertz & Egea 2007)
 atra Pers. = *Arthonia atra* (Ertz et al. 2009)
 betulina Sm. = *O. herbarum*
 bicolor R. C. Harris & Lendemer (Harris & Lendemer 2005) = *Alyxoria bicolor* (Ertz & Tehler 2011)
 brattiae Egea & Ertz (Ertz & Egea 2007) = *Lecanographa brattiae* (Ertz & Tehler 2011)
 calcarea Turner ex Sm. & Sowerby = *Arthonia calcarea* (Ertz et al. 2009)
 cinerea Chevall. = *O. vulgata*
corticola Coppins & P. James (Tønsberg 2002) = *Thelopsis corticola* (Ertz et al. 2021b)
 cypressi R. C. Harris = *Vigneronia cypressi* (Ertz et al. 2015b)
 demissa Tuck = *Melaspilea demissa*
 diaphora (Ach.) Ach. = *Alyxoria varia*
 diaphoroides Nyl. = *Paralecanographa grumulosa*
 filicina Mont. = *Fouragea filicina* (Frisch et al. 2014)
***glaucomaria** (Nyl.) Källsten ex Hafellner = **Phacographa glaucomaria*

gyrocarpa Flotow = Gyrographa gyrocarpa (Ertz et al. 2015b)
 hassei Zahlbr. = Lecanographa hypothallina
 herbarum Mont. = Alyxoria culmigena (Spribille et al. 2020)
 herpetica (Ach.) Ach. = O. rufescens
 herpetica var. subocellata Ach. (Fink 1935) = O. rufescens (Santesson et al. 2004)
 hypothallina (Zahlbr.) Tehler = Lecanographa hypothallina
 lichenoides Pers. = Alyxoria varia
 longissima Müll. Arg. = Dimidiographa longissima (Ertz & Tehler 2011)
 mesophlaebia Nyl. (Fink 1935) Orthographic variant of O. mesophlebia Nyl. = Melaspilea
 mesophlebia
 mougeotii A. Massal. (Harris & Ladd 2005) = Alyxoria mougeotii
 myriocarpa Tuck. non Fée (Tuckerman 1888) = O. microcyclia
 ochrocheila Nyl. = Alyxoria ochrocheila (Ertz & Tehler 2011)
 oulocheila Tuck. = Dermiscellum oulocheila
 *physciaria (Nyl.) D. Hawksw. & Coppins (Cole & Hawksworth 2001) = Phacothecium varium
 (Hafellner 2009)
 prosiliens Stirton = O. protuberans
 pulicaris auct. = Alyxoria varia
 *quaternella Nyl. = O. anomea (Ertz et al. 2004)
 rimalis Pers. ex Ach. = Alyxoria varia
 rufescens Pers. = Pseudoschismatomma rufescens (Ertz et al. 2015b)
 *saxicola Ach. = O. rupestris
 scaphella var. gemella (Eschw.) Eckfeldt (Fink 1935) = Melaspilea gemella
 *trassii S. Y. Kondr. & Coppins (Coppins & Kondratyuk 1998) = O. foreau
 *tribulodes Tuck. (Mohr 1901) = Melanographa tribulodes
 varia Pers. = Alyxoria varia (Ertz & Tehler 2011)
 viridis (Pers. ex Ach.) Behlen & Desberger = Zwackhia viridis (Ertz & Tehler 2011)
 *wetmorei M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001) = O. anomea (Ertz et al. 2004)
 zonata Körber (Sparris 2004b) = Enterographa zonata (Ertz et al. 2009)

OPEGRAPHOIDEA Fink

***staurothelicola** Fink (fide D. Ertz)
 *pulvinata (Rehm) Fink = Opegrapha pulvinata
 *quaternella (Nyl.) Fink = Opegrapha anomea

OPHIOPARMA Norman

laponica (Räsänen) Hafellner & R. W. Rogers
rubricosa (Müll. Arg.) S. Ekman Syn.: Bacidia rubricosa, B. herrei, Haematomma californicum
ventosa (L.) Norman (May 1997) Syn.: Lecanora ventosa
 herrei (Zahlbr.) Kalb & Staiger (Staiger & Kalb 1995) = O. rubricosa (Ekman 1996)

ORCULARIA (Malme) Kalb & Giralt (Kalb & Giralt 2011)

insperata (Nyl.) Kalb & Giralt Syn.: Amandinea insperata (Kalb & Giralt 2011)
placodiomorpha (Vainio) Kalb & Giralt Syn.: Amandinea placodiomorpha, Buellia
 placodiomorpha (Kalb & Giralt 2011)

ORPHNIOSPORA Körber

moriopsis (A. Massal.) D. Hawksw. Syn.: Buellia atrata, B. moriopsis, B. coracina
 atrata (Sm.) Poelt = O. moriopsis

OVICUCULISPORA Etayo (Etayo 2010)

***parmeliae** (Berk. & M. A. Curtis) Etayo (Etayo 2010) Syn.: Nectria parmeliae, Nectriopsis
 parmeliae

OXNERIA S. Y. Kondr. & Kärnefelt (Kondratyuk & Kärnefelt 2003a, 2003b) = **XANTHOMENDOZA** (Lindblom 2006)

weberi S. Y. Kondr. & Kärnefelt = *Xanthomendoza weberi* (Lindblom 2006)

OXNERIARIA S. Y. Kondr. & Lökös

mashiginensis (Zahlbr.) S. Y. Kondr. & Lökös (Spribille et al. 2020)

permutata (Zahlbr.) S. Y. Kondr. & Lökös (Spribille et al. 2020)

virginea (Hue) S. Y. Kondr. & Lökös (Fryday et al. 2021)

PACHNOLEPIA A. Massal. (Frisch et al. 2014)

pruinata (Pers.) Frisch & G. Thor Syn.: *Arthonia pruinata*

PACHYOSPORA A. Massal.

mutabilis (Ach.) A. Massal. = *Megaspora verrucosa*

verrucosa (Ach.) A. Massal. = *Megaspora verrucosa*

PACHYPELTIS Söchting, Arup & Frödén (Arup et al. 2013)

cladodes (Tuck.) Söchting, Frödén & Arup Syns.: *Caloplaca cladodes*, *Placodium cladodes*

#*invadens* (Lyngé) Söchting, Frödén & Arup Syn.: *Caloplaca invadens*

PACHYPHIALE Lönnr. = **GYALECTA** (Baloch et al. 2013a)

carneola (Ach.) Arnold = *Gyalecta carneola*

fagicola (Arnold) Zwackh = *Gyalecta fagicola*

gyalizella (Nyl.) S. Ekman = *Gyalecta gyalizella*

PACHYPHYSIS R. C. Harris & Ladd (Harris & Ladd 2005, 2007)

ozarkana R. C. Harris & Ladd (Harris & Ladd 2005, 2007)

PALICELLA Rodr. Flakus & Printzen (Rodríguez Flakus & Printzen 2014)

filamentosa (Stirton) Rodr. Flakus & Printzen Syns.: *Lecanora filamentosa*, *L. varia* var.

symmicta

schizochromatica (Pérez-Ortega, T. Sprib. & Printzen) Rodr. Flakus & Printzen Syn.: *Lecanora schizochromatica*

PANNARIA Delise

conopsea (Ach.) Bory

elator Stirton (Jørgensen 2000c)

hookeri (Borrer ex Sm.) Nyl.

lurida (Mont.) Nyl. subsp. *lurida* Syn.: *Physma luridum*

lurida subsp. *quercicola* P. M. Jørg. (Jørgensen 2000c)

lurida subsp. *russellii* (Tuck.) P. M. Jørg. (Jørgensen 2000c)

rubiginella P. M. Jørg. & Sipman (Jørgensen 2005)

rubiginosa (Thunb.) Delise

subfusca P. M. Jørg. (Jørgensen 2000c)

tavaresii P. M. Jørg.

ahlneri P. M. Jørg. = *Fuscopannaria ahlneri*

bolanderi Tuck. (Tuckerman 1872) = *Peltula bolanderi*

brunnea (Sw.) A. Massal. (Tuckerman 1882) = *Protopannaria pezizoides*

byssina (Hoffm.) Nyl. (Tuckerman 1882) = *Leptogium byssinum*

carnea (Dickson) Rabenh. (Tuckerman 1882) = *Massalongia carnea*

crossophylla Tuck. = *Rockefelleria crossophylla*

cyanolepra Tuck. = *Fuscopannaria cyanolepra*

flabellosa Tuck. (Tuckerman 1882) = *Placynthium flabellum*

granatina (Sommerf.) Th. Fr. = *Euopsis granatina*

halei Tuck. = *Biatora halei*

hypnorum (Vahl) Körber = *Psoroma hypnorum*

isidiata Degel. = *Tingiopsidium isidiatum* (Hafellner & Spribille 2016)
 laceratula Hue = *Steineropsis laceratula* (Spribille et al. 2020)
 lanuginosa (Ach.) Körber (Tuckerman 1882) = *Lepraria membranacea*
 lepidiota (Sommerf.) Th. Fr. = *Fuscopannaria praetermissa*
 lepidiota var. corallophora Tuck. (“coralliphora”) (Tuckerman 1882) = *Fuscopannaria praetermissa*
 lepidiota var. cyanolepra Tuck. (Tuckerman 1882) = *Fuscopannaria cyanolepras*
 leucophaea (Vahl) P. M. Jørg. = *Vahliella leucophaea*
 leucosticta Tuck. = *Fuscopannaria leucosticta*
 leucostictoides Ohlsson = *Fuscopannaria leucostictoides*
 malmei C. W. Dodge (Jørgensen 2000c) = misidentification of *P. rubiginella*
 mariana (Fr.) Müll. Arg. = *Lepidocollema marianum* (Jørgensen 2000c, Ekman et al. 2014)
 maritima P. M. Jørg. = *Fuscopannaria maritima*
 mediterranea Tav. = *Fuscopannaria mediterranea*
 melamphylla Tuck. = *Lichinella melamphylla*
 microphylla (Sw.) Delise = *Vahliella leucophaea*
 microphylla var. californica Tuck. = *Vahliella californica*
 molybdaea (Pers.) Tuck. var. cronia Tuck. (Tuckerman 1882) = *Coccocarpia palmicola*
 molybdaea var. incisa (Pers.) Tuck. (“incisa Nyl.”) (Tuckerman 1882) = *Fuscopannaria incisa*
 nigra (Hudson) Nyl. = *Placynthium nigrum*
 nigra var. caesia (Schaer.) Malbr. (“var. caesia Nyl.”) (Tuckerman 1882) Identity uncertain
 nigrocincta (Mont.) Nyl. (Mohr 1901) = *Parmeliella nigrocincta*, but a probable misidentification for North America
 pannosa Nyl. = *Parmeliella pannosa*
 petersii (Nyl.) Tuck. = *Placynthium petersii*
 pezizoides (Weber) Trevisan = *Protopannaria pezizoides*
 pityrea auct. = *P. conoplea*
 plumbea (Lightf.) Bory (Tuckerman 1882) = *Pectenium plumbea*
 praetermissa Nyl. = *Fuscopannaria praetermissa*
 pulveracea P. M. Jørg. & Henssen = *Fuscopannaria pulveracea*
 rubiginosa (Sw.) Delise var. conoplea (Ach.) Körber (Tuckerman 1882) = *Pannaria conoplea*
 rubiginosa var. lanuginosa (Hoffm.) Zahlbr. = *P. lanuginosa*, a misidentification for N.A.
 saubinetii (Mont.) Nyl. = *Vahliella saubinetii*
 sonomensis Tuck. = *Tingiopsidium sonomense* (Hafellner & Spribille 2016)
 stellata (Tuck.) Nyl. = *Coccocarpia stellata*
 stenophylla Tuck. = *Placynthium stenophyllum*
 stylophora Vainio = *Lepidocollema stylophorum* (Ekman et al. 2014)
 triptophylla (Ach.) A. Massal. = *Parmeliella triptophylla*
 waghornei Eckfeldt = identity uncertain, possibly *Santessoniella arctophila*

PARABAGLIETTOA Gueidan & Cl. Roux
disjuncta (Arnold) Krzewicka (McCune et al. 2014b)

PARALECANOGRAPHIA Ertz & Tehler
**grumulosa* (Dufour) Ertz & Tehler Syns.: *Lecanactis grumulosa*, *Lecanographa grumulosa*,
Opegrapha diaphoroides but questionable for North America

PARALLOPSORA Kistenich, Timdal & Bendiksby (Kistenich et al. 2018)
labriformis (Timdal) Kistenich, Timdal & Bendiksby Syn. : *Phyllopsora labriformis* (Kistenich et al. 2018)

PARANECTRIA Sacc.
**alstrupii* Zhurb. (Zhurbenko & Dillman 2010)
**oropensis* (Ces.) D. Hawks. & Piroz.
 subsp. *parviseptata* M. S. Cole & D. Hawks. (Cole & Hawksworth 2001) = *P. oropensis* (Diederich 2003)

PARAPARMELIA Elix & J. Johnston
alabamensis (Hale & McCull.) Elix & J. Johnston = Canoparmelia alabamensis (Hale & McCull.)
Elix (Elix 2001)

PARASCHISMATOMMA Ertz & Tehler (Ertz & Tehler 2012)
ochroleucum (Zahlbr.) K. Knudsen, Ertz & Tehler Syns.: Chiodecton ochroleucum, Platygrapha plurilocularis, Schismatomma pluriloculare (Ertz & Tehler 2011)

PARATHELIUM Nyl. = PYRENULA
cuyabense Malme = Pyrenula cuyabensis
emergens Nyl. ex Müll. Arg. = Pyrenula erumpens
martinicanum Vainio = Pyrenula adacta
microcarpum Riddle = Pyrenula microtheca
subferrugineum Malme = Pyrenula circumfiniens

PARMELIA Ach.

barrenoae Divakar, M. C. Molina & A. Crespo (Hodkinson et al. 2010)
fertilis Müll. Arg.
fraudans (Nyl.) Nyl.
hygrophila Goward & Ahti
imbricaria Goward, Divakaar, M. C. Molina & A. Crespo (Molina et al. 2016)
mayi Divakar, A. Crespo, M. C. Molina (Molina et al. 2011)
neodiscordans Hale
omphalodes (L.) Ach.
pinnatifida Kurok. (Crespo et al. 2004)
pseudosulcata Gyelnik
saxatilis (L.) Ach.
skultii Hale
squarrosa Hale
sulcata Taylor
sulymae Goward, Divakar, M. C. Molina & A. Crespo (Molina et al. 2016)
acanthifolia Pers. = Parmotrema cetratum
abstrusa Vainio = Relicina abstrusa
ahtii Essl. = Xanthoparmelia ahtii
aipolia (Ehrh. ex Humb.) Ach. (Tuckerman 1882) = Physcia aipolia
ajoensis T. H. Nash = Xanthoparmelia ajoensis
alabamensis Hale & McCull. = Canoparmelia alabamensis
albertana Ahti = Melanelixia albertana
aleurites (Ach.) Ach. (Tuckerman 1882) = Imshaugia aleurites
aleuritica Nyl. = Arctoparmelia centrifuga
almquistii Vainio = Allantoparmelia almquistii
alpicola Th. Fr. = Allantoparmelia alpicola
amazonica Nyl. = [Parmelinella](#) amazonica
ambigua Ach. (Tuckerman 1882) = Parmeliopsis ambigua
ambigua var. albescens (Wahlenb.) Tuck. (Tuckerman 1882) = Parmeliopsis aleurites
ambigua var. halei Tuck. (Tuckerman 1882) = Parmeliopsis ambigua
andreana Müll. Arg. = Flavopunctelia flaventior
antillensis Nyl. = Parmotremopsis antillensis
appalachensis W. L. Culb. = Punctelia appalachensis
arizonica (Tuck.) Nyl. (Fink 1935) = Omphalora arizonica
arnoldii Du Rietz = Parmotrema arnoldii
arseneana Gyelnik = Xanthoparmelia novomexicana
aspera A. Massal. = Melanohalea exasperata
aspidota (Ach.) Poetsch = Melanohalea exasperata
atropocapilla Tayl. (Tuckerman 1882) = Phaeophyscia hispidula
atrofusca (Schaerer) Crombie = Brodoa atrofusca

atticoides Essl. = Xanthoparmelia atticoides
 aurulenta Tuck. = Myelochroa aurulenta
 austerodes Nyl. = Hypogymnia austerodes
 austrosinensis Zahlbr. = Parmotrema austrosinense
 baltimorensis Gyelnik & Főriss = Flavoparmelia baltimorensis
 birulae Elenkin var. grumosa Llano = Arctoparmelia separata
 bitteri Lynge = Hypogymnia bitteri
 bolliana Müll. Arg. = Punctelia bolliana
 borrieri (Sm.) Turner = Punctelia borrieri
 borrieri var. hypomela Kremp. (Tuckerman 1882) Identity uncertain
 borrieri var. rudenta (Ach.) Tuck. (Tuckerman 1882) = Punctelia rudenta
 brunella Essl. = Xanthoparmelia brunella
[californica Gyeln. = Flavopunctelia flaventior \(Tucker 2014\)](#)
 camtschadalis (Ach.) Eschw. (Tuckerman 1882) = Xanthoparmelia camtschadalis
 caperata (L.) Ach. = Flavoparmelia caperata
 caperata var. incorrupta (J. P. Moore) E. C. Berry = Flavopunctelia praesignis
 caroliniana Nyl. = Canoparmelia caroliniana
 catawbiensis (Degel.) Hale & M. Wirth = Hypotrachyna catawbiensis
 centrifuga (L.) Ach. = Arctoparmelia centrifuga
 cetrarioides (Delise ex Duby) Nyl. = Cetraria cetrarioides
 cetrata Ach. = Parmotrema cetratum
 cetrata var. hypotropoides Nyl. ex Willey = Parmotrema hypotropum
 chiricahuensis R. A. Anderson & W. A. Weber = Xanthoparmelia chiricahuensis
 chlorochroa Tuck. = Xanthoparmelia chlorochroa
 chrysantha Tuck. = Parmotrema xanthinum (Lendemer 2016a)
 cirrhata Fr. = Everniastrum cirrhatum, a misidentification for North America.
 cladonia (Tuck.) Du Rietz = Pseudevernia cladonia
 claudelii (Harm.) Vainio = Parmotrema stuppeum
 colpodes (Ach.) Stizenb. (Fink 1935) = Anzia colpodes
 commensurata Hale = Parmotrema commensuratum
 concreta Stizenb. Identity uncertain, see note under Flavoparmelia
 confoederata W. L. Culb. = Bulbothrix confoederata
 congensis Stein = Xanthoparmelia congensis, but not found in North America north of Mexico.
 congruens auct. = Pseudoparmelia uleana
 conspersa (Ehrh. ex Ach.) Ach. = Xanthoparmelia conspersa
 conspersa var. subconspersa (Nyl.) Gyelnik = Flavoparmelia rutidota
 conspurcata (Schaerer) Vainio = Melanelixia subargentifera
 coralloidea (Meyen & Flotow) Vainio (Fink 1935) = Leptogium coralloideum, but N. Am. reports were apparently an unknown species of Parmotrema (Esslinger & Tucker 2009)
 coronata Fée = Bulbothrix coronata
 cribellata Taylor (Tuckerman 1882) = Hypogymnia lophyrea
 crinita Ach. = Parmotrema crinitum
 cristifera Taylor = Parmotrema cristiferum
 cristulata Ach. (Tuckerman 1882) = Anzia colpodes
 croceopustulata Kurok. = Hypotrachyna croceopustulata
 crozalsiana B. de Lesd. ex Harm. = Crespoa crozalsiana
 cryptochlorophaea Hale = Canoparmelia cryptochlorophaea
 cubensis Nyl. = Pseudoparmelia cubensis
 cumberlandia (Gyelnik) Hale = Xanthoparmelia cumberlandia
 cylisphora (Ach.) Vainio = Flavoparmelia caperata
 darrowi J. W. Thomson = Flavopunctelia darrowi
 delavayi Hue = Hypogymnia delavayi (Hue) Rass., but a misidentification for North America
 denalii Krog = Montanelia disjuncta
 densirhizinata Kurok. = Hypotrachyna densirhizinata
 dentella Hale & Kurok. = Hypotrachyna dentella
 dierythra Hale = Xanthoparmelia dierythra

diffractaica Essl. = Parmotrema diffractaicum
 digitata Lyngby = Hypotrachyna physcioides (Nyl.) Hale, but a misidentification for North America (?)
 dilatata Vainio = Parmotrema dilatatum
 disjuncta Erichsen = Montanelia disjuncta
 dissecta Nyl. = Hypotrachyna minarum
 dissensa T. H. Nash = Xanthoparmelia dissensa
 dominicana Vainio = Parmotrema dominicanum
 dubia (Wulfen) Schaerer = Punctelia subrudecta (Nyl.) Krog, but a misidentification for North America
 duplicata var. douglasicola Gyelnik = Hypogymnia physodes
 elegantula (Zahlbr.) Szatala = Melanohalea elegantula
 elongata J. Hillmann = Hypogymnia duplicata (Spribille et al. 2010)
 encausta (Sm.) Nyl. = Brodoa intestiniformis, but this species is not found in North America
 encausta var. alpicola (Th. Fr.) Nyl. (Tuckerman 1882) = Allantoparmelia alpicola
 endococcina Körber (Tuckerman 1882) = Phaeophyscia endococcina
 endosulphurea (Hillm.) Hale = Parmotrema endosulphureum
 endoxantha G. Merr. = Pseudoparmelia uleana
 ensifolia Kurok. = Hypotrachyna ensifolia
 enteromorpha Ach. = Hypogymnia enteromorpha
 epiclada Hale = Parmotrema submarginale
 erecta E. C. Berry = Parmotrema perforatum
 eurysaca Hue = Parmotrema eurysacum
 exasperata De Not. = Melanohalea exasperata
 exasperatula Nyl. = Melanohalea exasperatula
 eximbricata (Gyelnik) Hale & Kurok. = Relicina eximbricata
 finkii Zahlbr. = Myelochroa obsessa
 flaventior Stirton = Flavopunctelia flaventior
 flavicans (Tuck.) Tuck. = Flavoparmelia caperata
 formosana Zahlbr. = Hypotrachyna osseoalba
[frankliniana Taylor = Vulpicida pinastri \(Randlane et al. 2013\)](#)
 frondifera G. Merr. = Punctelia bolliana
 fuliginosa (Wibel) Nyl. (Fink 1935) = Melanelixia fuliginosa, but North American reports are misidentifications (Leavitt et al. 2012)
 furfuracea (L.) Ach. = Pseudevernia intensa and P. consocians for North American records
 galbina Ach. = Myelochroa galbina
 glaberrima Kremp. (Tuckerman 1882) Identity uncertain
 glabra (Schaerer) Nyl. North American records are Melanelixia californica
 glabratula (Lamy) Nyl. = Melanelixia glabratula
 glabroides Essl. = Melanelixia glabroides
 goebelii Zenker North American reports are Bulbothrix scortella (Benatti & Elix 2012)
 gondylophora Hale = Hypotrachyna gondylophora
 graminicola B. de Lesd. = Punctelia graminicola
 granulosa Lyngby = Montanelia disjuncta
 hababiana Gyelnik = Parmotrema hababianum
 haitiensis Hale = Parmotrema haitiense
 halei Ahti = Melanohalea halei
 halseyana Tuck. (Fink 1935) = Arctoparmelia centrifuga (Hale & DePriest 1999, Esslinger & Tucker 2009)
 herreana Zahlbr. = Flavoparmelia caperata
 herrei Zahlbr. = Parmotrema herrei
 horrescens Taylor = Hypotrachyna horrescens
 huachucensis T. H. Nash = Xanthoparmelia huachucensis
 hubrichtii E. C. Berry = Hypotrachyna minarum
 hyperopta Ach. (Tuckerman 1882) = Parmeliopsis hyperopta
 hypoleucina J. Steiner = Parmotrema hypoleucinum

hypoleucites Nyl. = *Punctelia hypoleucites*
 hypomelaena Hale = *Xanthoparmelia hypomelaena*
 hypopsila Müll. Arg. = *Xanthoparmelia hypopsila*, but North American records are *X. angustiphylla*
 hypotropa Nyl. = *Parmotrema hypotropum*
 hypotropa var. *sorediata* Müll. Arg. (Fink 1935) = *Parmotrema hypotropum* (Esslinger & Tucker 2009)
 hypotropoides Nyl. ex Willey = *Parmotrema perforatum*
 hypotrypodes (Nyl.) Willey (Fink 1935) Apparent orthographic error for *P. hypotropoides* (Esslinger & Tucker 2009)
 imbricatula Zahlbr. = *Hypotrachyna imbricatula*
 incorrupta J. P. Moore = *Flavopunctelia praesignis*
 incurva (Pers.) Fr. = *Arctoparmelia incurva*
 infrapallida Essl. = *Xanthoparmelia infrapallida*
 infumata Nyl. = *Melanohalea infumata*
 internexa Nyl. = *Parmotrema internexum*
 intestiniformis (Vill.) Ach. = *Brodoa intestiniformis*, but North American reports are *B. oroarctica*
 ioanis-simae Gyelnik = *Xanthoparmelia taractica*, but western North American records are probably *Xanthoparmelia coloradoensis*
 isidiata (Anzi) Gyelnik = *Xanthoparmelia conspersa*
 isidiosa (Müll. Arg.) Hale = misidentification for North America
 isidiotyla Nyl. = *Xanthoparmelia loxodes*
 joranadia T. H. Nash = *Xanthoparmelia joranadia*
 kernstockii (Lynge) Zahlbr. = *Flavopunctelia flaventior*
 kerguelensis A. Wilson = chemotype of *Parmelia saxatilis*
 kerguelensis auct. N. Am. = *Parmelia pseudosulcata*
 kurokawae Hale = *Xanthoparmelia lavicola*
 laciniatula (Flagey) Zahlbr. (Eyerdam 1960) = misidentification for North America
 laevigata (Sm.) Ach. = *Hypotrachyna laevigata*
 laevigata var. *sinuosa* (Sm.) Nyl. (Tuckerman 1882) = *Hypotrachyna sinuosa*
 laevigatula Nyl. = *Bulbothrix laevigatula*
 lanata (L.) Wallr. = *Pseudephebe pubescens*
 latissima Fée = *Parmotrema latissimum*, but reports are a misidentification for North America
 leana Tuck. (Tuckerman 1882) = *Phaeophyscia leana*
 lecanorica Hale = *Xanthoparmelia lecanorica*, but reports are a misidentification for North America
 leucochlora Tuck. = *Pseudoparmelia cubensis*
 lineola E. C. Berry = *Xanthoparmelia lineola*
 livida Taylor = *Hypotrachyna livida*
 lobulifera Degel. = *Hypotrachyna imbricatula*
 lobulifera var. *insensitiva* Degel. = *Hypotrachyna ensifolia*
 lobulifera var. *luteoreagens* Degel. = *Hypotrachyna imbricatula*
 lobulifera var. *sanguineoreagens* Degel. = *Hypotrachyna prolongata*
 lophyrea Ach. (Fink 1935) = *Hypogymnia lophyrea*
 louisianae Hale = *Parmotrema louisianae*
 loxodes Nyl. = *Xanthoparmelia loxodes*
 madagascariacea (Hue) Abbayes = *Parmotrema xanthinum* (Lendemmer 2016a)
 mandshurica Asahina = *Flavopunctelia soredica*
 margaritata Hue = *Parmotrema margaritatum*
 martinicana Nyl. = *Canoparmelia martinicana*
 maxima Hue = *Parmotrema stuppeum*
 mellissii C. W. Dodge = *Parmotrema mellissii*
 mesogens Nyl. (Fink 1935) Apparent typographic error for *P. mesogenes* Nyl = *Parmotrema mesogenes*, a misidentification for North America (Esslinger & Tucker 2009)
 metarevoluta Asahina = *Myelochroa metarevoluta*
 mexicana Gyelnik = *Xanthoparmelia mexicana*

michauxiana Zahlbr. = Parmotrema submarginale
 molliuscula Ach. = misidentification for North America
 monticola J. P. Dey = Xanthoparmelia monticola
 mordenii Hale = Parmotrema mordenii
 mougeotii Schaerer = Xanthoparmelia mougeotii
 multispora A. Schneider = Melanohalea multispora
 negativa Gyelnik = Flavoparmelia caperata
 neoconsersa Gyelnik = Xanthoparmelia neoconsersa
 nigropsoromifera T. H. Nash = Xanthoparmelia nigropsoromifera
 njalensis C. W. Dodge = Bulbothrix scortella
 novomexicana Gyelnik = Xanthoparmelia novomexicana
 obscura (Ehrh.) Fr. var. adglutinata (Flörke) Schaerer (Tuckerman 1882) = Hyperphyscia
 adglutinata
 obsessa Ach. = Myelochroa obsessa
 occidentalis Essl. = Xanthoparmelia occidentalis
 olivacea (L.) Ach. = Melanohalea olivacea
 olivacea f. aspidota (Ach.) Th. Fr. (Tuckerman 1882) = Melanohalea exasperata
 olivacea f. panniformis Nyl. (Tuckerman 1882) = Montanelia panniformis
 olivacea var. proluxa (Ach.) Zahlbr. (Tuckerman 1882) = Xanthoparmelia pulla, a
 misidentification for N.A.
 olivacea var. sorediata (Ach.) Nyl. (Tuckerman 1882) = Montanelia sorediata
 olivaceoides Krog = Melanohalea olivaceoides
 olivaria (Ach.) Th. Fr. = Cetrelia olivetorum
 olivetorum Nyl. = Cetrelia olivetorum
 omphalodes subsp. glacialis Skult = P. skultii
 omphalodes subsp. pinnatifida (Kurok.) Skult = P. pinnatifida
 oncodes Tuck. (Fink 1935) Name not located in any available source (Esslinger & Tucker 2009)
 oostingii J. P. Dey = Hypotrachyna oostingii
 oregana Gyelnik = Hypogymnia physodes
 panniformis (Nyl.) Vainio = Montanelia panniformis
 perforata (Jacq.) Ach. (Mohr 1901) = misspelling of P. perforata
 perforata (Jacq.) Ach. = Parmotrema perforatum
 perforata var. hypotropa (Nyl.) Tuck. (Tuckerman 1882) = Parmotrema hypotropum
 perlata (Hudson) Ach. = Parmotrema perlatum
 perlata var. flavicans Tuck. (Tuckerman 1882) = Flavoparmelia caperata
 perlata var. latissima Mont. (Tuckerman 1882) = Parmotrema latissimum, a misidentification for
 N.A.
 permaculata Hale = Parmotrema eurysacum
 perreticulata (Räsänen) Hale = Punctelia perreticulata
 pertusa (Schrank) Schaerer = Menegazzia terebrata
 phaea Tuck. (Fink 1935) = Physcia phaea
 physodes (L.) Ach. = Hypogymnia physodes
 physodes var. enteromorpha (Ach.) Tuck. (Tuckerman 1882) = Hypogymnia enteromorpha
 physodes var. obscurata Ach. (Tuckerman 1882) = Hypogymnia physodes
 physodes var. vittata Ach. (Tuckerman 1882) = Hypogymnia vittata
 piedmontensis Hale = Xanthoparmelia piedmontensis
 plittii Gyelnik = Xanthoparmelia plittii
 praesignis Nyl. = Flavopunctelia praesignis
 praesorediosa Nyl. = Parmotrema praesorediosum
 preperforata W. L. Culb. = Parmotrema hypoleucinum
 proboscidea Tayl. (Fink 1935) = Parmotrema crinitum (Hale & DePriest 1999)
 producta (Hale) J. P. Dey = Hypotrachyna producta
 proluxa (Ach.) Carroll = Neofuscelia pulla, but a misidentification for North America.
 prolongata Kurok. = Hypotrachyna prolongata
 pseudoborreri Asahina = Punctelia borreri
 psoromifera Kurok. = Xanthoparmelia psoromifera

pubescens (L.) Vainio = Pseudephebe pubescens
 pulla Ach. = Xanthoparmelia pulla (Ach.) Crespo et al., but a misidentification for North America
 pulvinata Fée = Hypotrachyna pulvinata
 pustulifera Hale = Hypotrachyna pustulifera
 pustulosa Essl. = Xanthoparmelia pustulosa
 quercina (Willd.) Vainio North American reports are Parmelina coleae
 rachista Hale = Hypotrachyna prolongata
 rampoddensis Nyl. = Parmotrema rampoddense
 recipienda Nyl. = Parmotrema subcaperatum (Kremp.) Hale., but a misidentification for North America
 reddenda Stirton = Punctelia reddenda
 relicina Fr. = Relicina relicinula (Müll. Arg.) Hale, but a misidentification for North America
 reparata Stirton = Parmotrema cetratum
 reticulata Taylor = Parmotrema reticulatum
 revoluta Flörke = Hypotrachyna revoluta
 rigida Lynge = Parmotrema subrigidum (N. Am. records only)
 robusta Degel. = Parmotrema robustum, but North American records are Parmotrema gardneri
 rockii Zahlbr. = Hypotrachyna rockii
 rudecta Ach. = Punctelia rudecta
 rutidota Hooker f. & Taylor = Flavoparmelia rutidota
 salacinifera Hale = [Parmelinella](#) salacinifera
 santae-crucis Vainio = Parmotrema praesorediosum
 saxatilis (L.) Ach. var. omphalodes (Tuckerman 1882) = Parmelia omphalodes
 saxatilis var. panniformis (Ach.) Schaerer, Syn. N.A. Lichens I: 59 = Parmelia saxatilis
 saxatilis var. sulcata Nyl., Syn. N.A. Lichens I: 59 = Parmelia sulcata
 saximontana R. A. Anderson & W. A. Weber = Montanelia saximontana
 scortea (Ach.) Ach. (Fink 1935) = Parmelina tiliacea (Hoffm.) Hale, but an apparent misidentification for North America
 scortella Nyl. = Bulbothrix scortella
 semansiana W. L. Culb. & C. F. Culb. = Punctelia graminicola
 separata Th. Fr. = Arctoparmelia separata
 septentrionalis (Lynge) Ahti = Melanohalea septentrionalis
 sibirica Zahlbr. = Allantoparmelia sibirica
 silvestris Degel. = Myelochroa aurulenta
 simulans Hale = Parmotrema simulans
 sinuosa (Sm.) Ach. = Hypotrachyna sinuosa
 sipeana Gyelnik = Menegazzia terebrata
 sorediata (Ach.) Th. Fr. = Montanelia sorediata
 soredica Nyl. = Flavopunctelia soredica
 sorediosa Almb. = Montanelia sorediata
 sorocheila Vainio = Hypotrachyna sorocheila, but North American records apparently refer to E. catawbiense
 sphaerospora Nyl. (North American records) = Pseudoparmelia uleana
 sphaerosporella Müll. Arg. = Ahtiana sphaerosporella
 spumosa Asahina = Parmelinopsis spumosa
 stenophylla (Ach.) Du Rietz = Xanthoparmelia stenophylla
 stictica (Duby) Nyl. = Punctelia stictica
 stuppea Taylor = Parmotrema stuppeum
 stygia (L.) Ach. = Melanelia stygia
 subargentifera Nyl. = Melanelixia subargentifera
 subarnoldii Abbayes = Parmotrema subarnoldii, but a misidentification for North America north of Mexico
 subaurifera Nyl. = Melanelixia subaurifera
 subcapitata Nyl. ex Hasse = Flavoparmelia subcapitata
 subcentrifuga Oxner = Arctoparmelia subcentrifuga
 subcristata auct. = Parmotrema ultralucens

subcrinita Nyl. = *Parmotrema subtinctorium*
subdecipiens Vainio = *Xanthoparmelia subdecipiens*
subelegantula Essl. = *Melanohalea subelegantula*
subhosseana Essl. = *Xanthoparmelia subhosseana*
subinvoluta Hale = *Parmotrema rampoddense*
subisidiosa (Müll. Arg.) C. W. Dodge = *Parmotrema subisidiosum*
sublaevigata (Nyl.) Nyl. = *Hypotrachyna sublaevigata*, but a misidentification for North America (Hale 1979)
submarginalis (Michaux) Nyl. (Fink 1935) = *Parmotrema submarginale* (Hale & DePriest 1999)
subobscura Vainio = *Hypogymnia subobscura*
subolivacea Nyl. = *Melanohalea subolivacea*
subpraesignis Nyl. = *Punctelia subpraesignis*
subquercifolia Hue = *Myelochroa galbina*
subramigera Gyelnik = *Xanthoparmelia subramigera*
subrudecta Nyl. = *Punctelia subrudecta* (Nyl.) Krog, but a misidentification for North America (Lendemer & Hodkinson 2010)
subrugata Kremp. = misidentification for North America
substygia Räsänen North American reports are *Montanelia saximontana* or *M. secwepemc*
subsumpta Nyl. = *Parmotrema subsumptum*
subtinctoria Zahlbr. = *Parmotrema subtinctorium*
sulphurata Nees & Flotow = *Parmotrema sulphuratum*
sulphurosa (Tuck.) Fink (Fink 1935) = *Myelochroa galbina* (Hale & DePriest 1999)
swinscowii Hale = *Parmelinopsis swinscowii*
taractica Kremp. = *Xanthoparmelia taractica*, but see note there
tasmanica Hooker f. & Taylor = *Xanthoparmelia tasmanica*
texana Tuck. = *Canoparmelia texana*
thysanota Kurok. = *Hypotrachyna thysanota*
tiliacea Flörke var. *relicina* (Fr.) Tuck. (Tuckerman 1882) = *Relicina relicinula*, a misidentification for N.A.
tiliacea var. *sublaevigata* Nyl. ex Tuck. (Tuckerman 1882) = *Hypotrachyna sublaevigata*, a misidentification for N.A.
tiliacea var. *sulphurosa* Tuck. (Tuckerman 1882) = *Myelochroa galbina*
tinctoria Maheu & A. Gillet = *Xanthoparmelia tinctoria*, but not found in North America
tinctorum Delise ex Nyl. = *Parmotrema tinctorum*
trabeculata Ahti = *Melanohalea trabeculata*
trichotera Hue = *Parmotrema perlatum*
tuberculata Gyelnik = *Xanthoparmelia novomexicana*
tubulosa (Schaerer) Bitter = *Hypogymnia tubulosa*
tucsonensis T. H. Nash = *Xanthoparmelia tucsonensis*
uleana Müll. Arg. = *Pseudoparmelia uleana*
ulophyllodes (Vainio) Savicz = *Flavopunctelia soledica*
ultralucens Krog = *Parmotrema ultralucens*
verruculifera Nyl. = *Xanthoparmelia verruculifera*
virginica Hale = *Hypotrachyna virginica*
vittata (Ach.) Röhl. = *Hypogymnia vittata*
weberi Hale = *Xanthoparmelia weberi*
wyomingica (Gyelnik) Hale = *Xanthoparmelia wyomingica*
xanthina (Müll. Arg.) Vainio = *Parmotrema xanthinum*
xanthomela Nyl. (Fink 1935) Typographic error for *P. xanthomyela* = *Hypotrachyna endochlora* (Leighton) Hale, a misidentification for North America
zollingeri Hepp = *Parmotrema zollingeri*

PARMELIELLA Müll. Arg.

appalachensis P. M. Jørg. (Jørgensen 2000c)
corallinoides (Hoffm.) Zahlbr.
pannosa (Sw.) Nyl. Syn.: *Pannaria pannosa*

parvula P. M. Jørg. (Jørgensen 2000c)
runderatula (Nyl.) Hasse
triptophylla (Ach.) Müll. Arg. Syn.: Pannaria triptophylla
 arctophila (Th. Fr.) Malme = Santessoniella arctophila (Henssen 1997)
 cheiroloba Müll. Arg. = Fuscopannaria cheiroloba
 crossophylla (Tuck.) G. Merr. & Burnham = Rockefellerera crossophylla
 cyanolepra (Tuck.) Herre = Fuscopannaria cyanolepra
 mariana (Fr.) P. M. Jørg. & D. J. Galloway = Lepidocollema marianum (Ekman et al. 2014)
 lepidiota (Sommerf.) Vainio = Fuscopannaria praetermissa
 microphylla "(Sw.)" Müll. Arg. = Vahliella leucophaea
 plumbea (Lightf.) Vainio = Pectenium plumbea (Ekman et al. 2014)
 praetermissa (Nyl.) P. James = Fuscopannaria praetermissa
 saubinetii (Mont.) Zahlbr. = Vahliella saubinetii
 stellata (Tuck.) Zahlbr. = Coccocarpia stellata
 stylophora (Vainio) P. M. Jørg. (Jørgensen 2000c) = Lepidocollema stylophorum (Ekman et al. 2014)

PARMELINA Hale

coleae Argüello & A. Crespo (Argüello et al. 2007a, 2007b)
yalungana (Zahlbr.) P. R. Nelson & Kepler (Nelson et al. 2013)
 antillensis (Nyl.) Hale = Parmotremopsis antillensis
 aurulenta (Tuck.) Hale = Myelochroa aurulenta
 dissecta (Nyl.) Hale = Hypotrachyna minarum
 galbina (Ach.) Hale = Myelochroa galbina
 horrescens (Taylor) Hale = Hypotrachyna horrescens
 metarevoluta (Asahina) Hale = Myelochroa metarevoluta
 minarum (Vainio) Skorepa = Hypotrachyna minarum
 obsessa (Ach.) Hale = Myelochroa obsessa
 quercina (Willd.) Hale North American reports are P. coleae
 spumosa (Asahina) Hale = Hypotrachyna spumosa
 swinscowii (Hale) Hale = Hypotrachyna swinscowii
 tiliacea (Hoffm.) Hale North American reports are misidentifications

PARMELINELLA Elix & Hale (Rodrigues et al. 2021)

amazonica (Nyl.) A. S. Rodrigues, A. P. Lorenz & Canêz Syns. : Canoparmelia amazonica, Parmelia amazonica, Pseudoparmelia amazonica (Rodrigues et al. 2021)
salacinifera (Hale) Marcelli & Benatti Syns. : Canoparmelia salacinifera, Parmelia salacinifera (Rodrigues et al. 2021)

PARMELINOPSIS Elix & Hale = HYPOTRACHYNA (Divakar et al. 2013)

cryptochlora (Vainio) Elix & Hale = Hypotrachyna cryptochlora
 horrescens (Taylor) Elix & Hale = Hypotrachyna horrescens
 minarum (Vainio) Elix & Hale = Hypotrachyna minarum
 spumosa (Asahina) Elix & Hale = Hypotrachyna spumosa
 swinscowii (Hale) Elix & Hale = Hypotrachyna swinscowii

PARMELIOPSIS Nyl.

ambigua (Wulfen) Nyl. Syns.: Foraminella ambigua, Parmelia ambigua, P. ambigua var. halei
capitata R. C. Harris ex J. W. Hinds & P. L. Hinds (Hinds & Hinds 1998)
esorediata (Degel.) Nordnes (McCarthy et al. 2012)
hyperopta (Ach.) Arnold Syns.: Foraminella hyperopta, Parmelia hyperopta
subambigua Gyelnik Syn.: Foraminella subambigua
 aleurites (Ach.) Nyl. = Imshaugia aleurites
 diffusa (Weber) Riddle = P. hyperopta
 halei (Tuck.) Hale = P. subambigua
 placorodia (Ach.) Nyl. = Imshaugia placorodia

PARMENTARIA Fée = PYRENULA

astroidea Fée = Pyrenula astroidea
nana (Zahlbr.) R. C. Harris = Anthracothecium australiense
rappii Zahlbr. = Pyrenula leucostoma Ach.
ravenelii (Tuck.) Müll. Arg. = Pyrenula ravenelii

PARMOTREMA A. Massal.

arnoldii (Du Rietz) Hale Syn.: *Parmelia arnoldii*
austrosinense (Zahlbr.) Hale Syn.: *Parmelia austrosinensis*
cetratum (Ach.) Hale Syn.: *Parmelia cetrata*, *P. herrei*, *Rimelia cetrata* (Blanco et al. 2005)
commensuratum (Hale) Hale Syn.: *Parmelia commensuratum*, *Rimelia commensuratum*
conferendum Hale Syn.: *Canomaculina conferenda*, *Rimeliella conferenda*
crinitum (Ach.) M. Choisy Syn.: *Parmelia crinita*, *Parmelia proboscidea*
cristiferum (Taylor) Hale Syn.: *Parmelia cristifera*
despectum Kurok. (Kurokawa 2001)
diffractaicum (Essl.) Hale Syn.: *Parmelia diffractaica*, *Rimelia diffractaica*
dilatatum (Vainio) Hale Syn.: *Parmelia dilatata*
dominicanum (Vainio) Hale Syn.: *Parmelia dominicana*
endosulphureum (Hillm.) Hale Syn.: *Parmelia endosulphurea*
eurysacum (Hue) Hale Syn.: *Parmelia eurysaca*, *P. permaculata*
gardneri (C. W. Dodge) Sérus. Syn.: *Parmelia robusta*
hababianum (Gyelnik) Hale Syn.: *Parmelia hababiana*
haitiense (Hale) Hale Syn.: *Parmelia haitiensis*, *Canomaculina haitiensis*
herrei (Zahlbr.) Spielmann & Marcelli (Marcelli et al. 2011)
hypoleucinum (J. Steiner) Hale Syn.: *Parmelia hypoleucina*
hypotropum (Nyl.) Hale Syn.: *Parmelia hypotropa*, *Parmelia hypotropa* var. *sorediata*, *P. cetrata* var. *hypotropoides*, *P. perforata* var. *hypotropa*
internexum (Nyl.) Hale Syn.: *Parmelia internexa*
louisianae (Hale) Hale Syn.: *Parmelia louisianae*
margaritatum (Hue) Hale Syn.: *Parmelia margaritata*
mellissii (C. W. Dodge) Hale Syn.: *Parmelia mellissii*
mordenii (Hale) Hale Syn.: *Parmelia mordenii*
neotropicum Kurok. ex Hale Syn.: *Canomaculina neotropica*, *Rimeliella neotropica*
overeemii (Zahlbr.) Elix (Lendemer & Harris 2016)
perforatum (Jacq.) A. Massal. Syn.: *Parmelia perforata*, *P. erecta*, *P. hypotropoides*
perlatum (Hudson) M. Choisy Syn.: *Parmelia perlata*, *P. trichotera*
praesorediosum (Nyl.) Hale Syn.: *Parmelia praesorediosa*, *P. santae-crucis*
rampoddense (Nyl.) Hale Syn.: *Parmelia rampoddensis*, *P. subinvoluta*
reticulatum (Taylor) M. Choisy Syn.: *Parmelia reticulata*, *Rimelia reticulata*
rubifaciens (Hale) Hale
simulans (Hale) Hale Syn.: *Parmelia simulans*, *Rimelia simulans*
stuppeum (Taylor) Hale Syn.: *Parmelia stuppea*, *P. claudelii*, *P. maxima*
subsidiosum (Müll. Arg.) Hale Syn.: *Parmelia subsidiosa*, *Rimelia subsidiosa*
submarginale (Michaux) DePriest & B. Hale Syn.: *Lobaria submarginale*, *Parmelia michauxiana*, *P. epiclada* (DePriest & Hale 1998), *P. submarginalis*
subrigidum Egan (Egan et al. 2005)
subsumptum (Nyl.) Hale Syn.: *Canomaculina subsumpta*, *Rimeliella subsumpta*, *Parmelia subsumpta*
subtinctorium (Zahlbr.) Hale Syn.: *Canomaculina subtinctoria*, *Rimeliella subtinctoria*, *Parmelia subtinctoria*
sulphuratum (Nees & Flotow) Hale Syn.: *Parmelia sulphurata*
tinctorum (Delise ex Nyl.) Hale Syn.: *Parmelia tinctorum*
ultralucens (Krog) Hale Syn.: *Parmelia ultralucens*, *P. subcrinita* auct. non Nyl.
wrightii L. I. Ferraro & Elix (Seavey & Seavey 2012)
xanthinum (Müll. Arg.) Hale Syn.: *Parmelia xanthina*, *P. chrysantha*, *P. madagascariacea*

- zollingeri** (Hepp) Hale Syn.: *Parmelia zollingeri* Uncertain for North America (Lendemer & Harris 2016)
chinense (“Osbeck”) Hale & Ahti = *P. perlatum* (Hawksworth 2004)
crozalsianum (B. de Lesd. ex Harm.) Hawksworth = *Crespoa crozalsiana* (Lendemer & Hodgkinson 2012)
madagascariaceum (Hue) Hale = *P. xanthinum* (Lendemer 2016a)
michauxianum (Zahlbr.) Hale = *P. submarginale*
ochrocrintum Elix & J. Johnst. Erroneously mapped for North America (Michlig & Ferraro 2010)
preperforatum (W. L. Culb.) Hale = *Parmotrema hypoleucinum* (Widhelm et al. 2017)
rigidum (Lyngé) Hale North American records are *P. subrigidum*
robustum (Degel.) Hale North American records are *P. gardneri*
- PARMOTREMOPSIS** Elix & Hale
antillensis (Nyl.) Elix & Hale Syns.: *Parmelina antillensis*, *Parmelia antillensis*
- PARMULARIA** Nilson
brouardii B. de Lesd. = a *Lecanora* sp.
novomexicana B. de Lesd. = Identity uncertain
- PARVOPLACA** Arup, Søchting & Frödén (Arup et al. 2013)
nigroblastidiata Arup, Halici & Vondrák (Arup et al. 2015)
tirolensis (Zahlbr.) Arup, Søchting & Frödén Syns.: *Caloplaca subolivacea*, *C. tirolensis*
- PATELLARIA** Hoffm.
eckfeldtii Müll. Arg. (Lendemer & Hewitt 2002) = *Bacidia eckfeldtii*
granulosa Michaux non (Hoffm.) DC. (Tuckerman 1888) = *Bacidia schweinitzii*
- PATRICIOMYCES** D. Hawksw.
***valentinianus** D. Hawks. (Cole & D. Hawksworth 2001)
- PAULIA** Fée
pyrenoides (Nyl.) Henssen Syns.: *Omphalaria pyrenoides*, *Thyrea pyrenoides*
- PECCANIA** A. Massal. ex Arnold
arizonica Tuck. ex Herre
cernohorskyi (Servít) Scheiman-Cseika, Cseika & Guttová (Knudsen et al. 2017)
corallina Hazsl. (Knudsen et al. 2017)
coralloides (A. Massal.) A. Massal. (McCune 2017)
kansana (Tuck.) Forssell Syn.: *Omphalaria kansana*
kansuensis (H. Magn.) M. Schultz ined. (McCune et al. 2014b)
subnigra (B. de Lesd.) Wetmore Syns.: *Placynthium subnigrum*, *Synalissa subnigra*
texana (Tuck.) Wetmore Syns.: *Omphalaria texana*, *Synalissa texana*
tiruncula (Nyl.) Henssen (Tretiach & Schultz 2007)
- PECTENIA** P. M. Jørg., L. Lindblom, Wedin & S. Ekman (Ekman et al. 2014)
plumbea (Lightf.) P. M. Jørg., L. Lindblom, Wedin & S. Ekman Syns.: *Degelia plumbea*, *Parmeliella plumbea*
- PELTIGERA** Willd.
aphthosa (L.) Willd.
aquatica Miądl. & Lendemer (Miądlkowska et al. 2014b)
britannica (Gyelnik) Holt.-Hartw. & Tønsberg
canina (L.) Willd.
castanea Goward, Goffinet & Miądl. (Goffinet et al. 2003)
chionophila Goward & Goffinet (Goward & Goffinet 2000)

cinnamomea Goward
collina (Ach.) Schrader
degenii Gyelnik
didactyla (With.) J. R. Laundon
elisabethae Gyelnik
evansiana Gyelnik
extenuata (Nyl. ex Vainio) Lojka (Goffinet et al. 2003)
fibrilloides (Gyelnik) Vitik. (Vitikainen 2004)
frippii Holt.-Hartw. (Vitikainen 1994)
gowardii Lendemer & H. O'Brien (Lendemer & O'Brien 2011)
horizontalis (Hudson) Baumg.
hydrothyria Miądl. & Lutzoni Syn.: *Hydrothyria venosa* (Miądl. & Lutzoni 2000)
hymenina (Ach.) Delise
islandica Goward & Manoharan-Basil (Manoharan-Basil et al 2016)
kristinssonii Vitik.
latiloba Holt.-Hartw. (Holtan-Hartwig 2005)
lepidophora (Nyl. ex Vainio) Bitter
leucophlebia (Nyl.) Gyelnik
lyngei Gyelnik (Dillman et al. 2012)
malacea (Ach.) Funck
membranacea (Ach.) Nyl.
monticola Vitik. (Vitikainen 2004)
neckeri Hepp ex Müll. Arg.
neopolydactyla (Gyelnik) Gyelnik
pacifica Vitik.
phyllidiosa Goffinet & Miądl. (Goffinet & Miądl. 1999)
polydactylon (Necker) Hoffm.
polydactylon subsp. **udeghe** Magain, Miądl. & Sérus. (Magain et al. 2016)
ponojensis Gyelnik
praetextata (Flörke ex Sommerf.) Zopf
retifoveata Vitik.
rufescens (Weiss) Humb.
scabrosa Th. Fr.
scabrosella Holt.-Hartw.
seneca Magain, Miądl. & Sérus. (Magain et al. 2016)
tartarea (Llano) Vitik. (Vitikainen 2006)
venosa (L.) Hoffm.
 apthosa f. complicata (Th. Fr.) Zahlbr. = *P. leucophlebia*
 apthosa var. variolosa A. Massal. = *P. leucophlebia*
 avenosa Gyeln.
 canina (L.) Willd. f. membranacea (Ach.) Duby (Tuckerman 1882) = *Peltigera membranacea*
 canina var. rufescens (Weiss) Mudd = *P. rufescens*
 canina var. rufescens f. innovans (Körber) J. W. Thomson = *P. praetextata*
 canina f. sorediata Tuck. (Tuckerman 1882) = *P. didactyla*
 canina var. spongiosa Tuck. (Tuckerman 1882) = *P. canina*
 canina var. spuria (Ach.) Schaerer = *P. didactyla*
 didactyla var. extenuata (Nyl. ex Vainio) Goffinet & Hastings (Goffinet & Hastings 1995) = *P. extenuata*
 dolichorrhiza (Nyl.) Nyl. = *P. polydactylon*
 erumpens (Taylor) Elenkin = *P. didactyla*
 hazslinszkyi Gyelnik = *P. extenuata*
 horizontalis (Hudson) Baumg. f. zopfii (Gyelnik) J. W. Thomson This name has often been used for *P. elisabethae*
 lactucifolia (With.) J. R. Laundon = *P. hymenina*
 occidentalis sensu Kristinsson = *P. kristinssonii*
 occidentalis (E. Dahl) Kristinsson = *P. neopolydactyla*

polydactyla var. hymenina (Ach.) Flotow = *P. hymenina*
polydactyla var. neopolydactyla Gyelnik = *P. neopolydactyla*
praecanina Gyelnik (Gyelnik 1931) no type designated, identity uncertain
pulverulenta (Taylor) Kremp. = *P. scabrosa* Th. Fr. for North American records
scutata (Dickson) Duby = *P. collina*
sorediata (Schaerer) Fink (Fink 1935) = *P. didactyla* (Vitikainen 1994)
spuria (Ach.) DC. = *P. didactyla*
variolosa (A. Massal.) Gyelnik = *P. leucophlebia*
zopfii Gyelnik (Fink 1935) = *P. horizontalis* (Vitikainen 1994)

PELTULA Nyl.

bolanderi (Tuck.) Wetmore Syn.: *Endocarpiscum bolanderi*, *Heppia bolanderi*, *Pannaria bolanderi*
clavata (Kremp.) Wetmore
corticola Büdel & R. Sant. (Büdel et al. 2007)
cylindrica Wetmore
euploca (Ach.) Poelt ex Ozenda & Clauzade Syn.: *Endocarpiscum guepinii*, *Heppia euploca*, *H. guepinii*, *H. polyphylla*
farinosa Büdel (Büdel & Nash 2002)
hassei (Zahlbr.) Büdel, Kauff & Bachran (Kauff et al. 2018)
michoacanensis (B. de Lesd.) Wetmore
obscurans (Nyl.) Gyelnik var. **obscurans**
obscurans var. **deserticola** (Zahlbr.) Wetmore Syn.: *Heppia deserticola*
omphaliza (Nyl.) Wetmore
patellata (Bagl.) Swinscow & Krog Syn.: *Heppia leptopholis*, *H. polyspora*, *H. terrena*
placodizans (Zahlbr.) Wetmore Syn.: *Heppia placodizans*
psammophila (Nyl.) Egea (Büdel & Nash 2002)
radicata (Ach.) Nyl.
richardsii (Herre) Wetmore Syn.: *Heppia richardsii*
sonorensis Büdel & T. H. Nash
tortuosa (Nees) Wetmore Syn.: *Heppia tortuosa*
zahlbruckneri (Hasse) Wetmore Syn.: *Heppia zahlbruckneri*
obscurans var. **hassei** (Zahlbr.) Wetmore = *P. hassei*
polyspora (Tuck.) Wetmore = *P. patellata*

PENTAGENELLA Darb.

akompsa (Tuck.) Perlmutter, LaGreca, Ertz & Tehler Syn.: *Biatora akompsa* (Perlmutter et al. 2020)

PERFORARIA Müll. Arg. = **COCCOTREMA**

minuta Degel. = *Ochrolechia minuta* (Spribille et al. 2020)

PERIDIOTHELIA D. Hawksw.

+**fuliguncta** (Norman) D. Hawksw. (Aptroot 2002d)
+**grandiuscula** (Anzi) D. Hawksw.

PERIGRAPHA Hafellner

***superveniens** (Nyl.) Hafellner (Diederich 2003)

PERTUSARIA DC.

alaskensis Erichsen
alpina Hepp ex Ahles
appalachensis Lendemer, R. C. Harris & Elix (Lendemer et al. 2008a)
atra Lynge
azulensis B. de Lesd. (Lumbsch & Nash 1999)
borealis Erichsen

brattiae Lumbsch & T. H. Nash (Lumbsch & Nash 1999)
bryontha (Ach.) Nyl.
californica Dibben
carneopallida (Nyl.) Anzi
chiodectonoides Bagl. ex A. Massal.
coccodes (Ach.) Nyl. (Tønsberg 1999a)
consocians Dibben
copiosa Erichsen
coriacea (Th. Fr.) Th. Fr.
epixantha R. C. Harris
expolita R. C. Harris
flavicunda Tuck.
flavocorallina Coppins & Muhr
glaucomela (Tuck.) Nyl. Syn.: *Lecanora glaucomela*
globularis (Ach.) Tuck.
glomerata (Ach.) Schaerer
hakkodensis Yasuda ex Räsänen
hymenea (Ach.) Schaerer
iners R. C. Harris
islandica Bratt, Lumbsch & Schmitt (Schmitt et al. 2006)
lecanina Tuck.
leioplaca DC.
macounii (I. M. Lamb) Dibben Syn.: *Melanaria macounii*
mariae B. de Lesd. (Lumbsch & Nash 1999)
mccroryae Björk, Goward & T. Sprib. (Spribille et al. 2010)
moreliensis B. de Lesd. (Nash et al. 1998)
neolecania Lumbsch & T. H. Nash (Lendemmer et al. 2013)
neoscotica I. M. Lamb
obruta R. C. Harris
occidentalis Bratt, Lumbsch & Schmitt (Schmitt et al. 2006)
octomela (Norman) Erichsen
oculata (Dickson) Th. Fr. Syn.: *Lecanora oculata*
ostiolata Dibben
papillata (Ach.) Tuck.
paratuberculifera Dibben
plittiana Erichsen
propinqua Müll. Arg.
pruinifera Erichsen
pseudocorallina (Lilj.) Arnold
pupillaris (Nyl.) Th. Fr.
pustulata (Ach.) Duby
rhexostoma Nyl.
rigida Müll. Arg. (Seavey et al. 2017)
rubefacta Erichsen
saximontana Wetmore
sinusmexicani Dibben
sommerfeltii (Flörke ex Sommerf.) Fr.
stenhammarii Hellbom
subambigens Dibben
subobducens Nyl.
suboculata Brodo & Dibben
subpertusa Brodo
subrigida Müll. Arg. (Seavey et al. 2017)
sulcata Dibben
superiana Lendemmer & E. Tripp (Tripp & Lendemmer 2019)
tejocotensis B. de Lesd. (Lumbsch et al. 1999)

tetrathalamia (Fée) Nyl.
texana Müll. Arg.
trochiscea Norman
valliculata Dibben
viensica R. C. Harris
wulfenioides B. de Lesd.
xanthodes Müll. Arg.
zeorina Erichsen
albescens (Hudson) M. Choisy & Werner = *Lepra albescens*
aleutensis Erichsen = *P. alaskensis*
amara (Ach.) Nyl. = *Lepra amara*
amara var. *flotowiana* (Flörke) Vainio = *Lepra amara*, at least for Europe
ambigens (Nyl.) Tuck. = *P. subambigens*, for North American records
andersonii Lendemer (Lendemer 2009c) = *Lepra andersoniae*
arizonica Dibben = *P. tejocotensis*
bryophaga Erichsen = *Ochrolechia bryophaga*
canadensis Stirton = *P. pustulata*
ceuthocarpa (Sm.) Turner & Borrer = *P. excludens*
ceuthocarpoides Zahlbr. = *P. excludens*
communis DC. (Mohr 1901) = *P. pertusa*, a misidentification for North America
commutata Müll. Arg. (Lücking et al. 2011b) = *Lepra commutata*
concentrica Erichsen Type not found. May be *Lepra multipunctoides*
coriacea var. *obducens* (Nyl.) Vainio = *P. coriacea*
dactylina (Ach.) Nyl. = *Lepra dactylina*
diffusilis Erichsen = *P. glomerata*
diluta Björk, G. Thor & T. B. Wheeler (Spribille et al. 2009) = *Gyalectaria diluta*
discoidea (Pers.) Malme = *P. albescens*
disticha Erichsen = *P. texana* (Dibben 1980)
excludens Nyl. = *Lepra excludens*
finkii Zahlbr. ex Fink = *P. rhexostoma*
flavida (DC.) J. R. Laundon = a European taxon, not in North America
floridana Dibben = *Lepra floridana*
freyi Erichsen = *Megaspora verrucosa*
[geminipara \(Th. Fr.\) C. Knight ex Brodo = *Toensbergia geminipara*](#)
globulifera (Turner) A. Massal. (Fink 1935) = *Lepra albescens*
granulata (Ach.) Müll. Arg. = *P. wulfenioides* for North American records
hemisphaerica (Flörke) Erichsen = a European taxon, not in North America
hultenii Erichsen = *Ochrolechia subplicans* subsp. *hultenii*
hypothamnolica Dibben = *Lepra hypothamnolica*
laevigata (Nyl.) Arnold non (Th. Fr.) Anzi = *Variolaria trachythallina*
lecanina subsp. *nigra* Fink ex Hedrick = *Lepra ophthalmiza*
leioterella Erichsen = *P. macounii* for North American reports
leucostoma (Ach.) A. Massal. = *P. leioplaca*
lutescens (Hoffm.) Lamy = *P. flavida*, but not in North America
marginata Nyl. = *P. propinqua*
microsticta (Sm. & Sow.) Erichsen = *P. excludens*
monogona Nyl. = *P. excludens* for North American records
multipuncta (Turner) Nyl. = misidentification for North America
multipunctoides Dibben = *Lepra multipunctoides*
nolens Nyl. = *P. chiodectonoides*
ocellata (Wallr.) Körber = misidentification for North America
ophthalmiza (Nyl.) Nyl. = *Lepra ophthalmiza*
panyrga (Ach.) A. Massal. = *Lepra panyrga*
pertusa (Weigel) Tuck. = misidentification for North America
pocillum Cumm. (Eyerdam 1960) = apparent nomen nudum of uncertain identity
protuberans (Sommerf. ex Th. Fr.) Th. Fr. = *P. carneopallida*

pulchella Malme = *Varicellaria velata* (Archer & Messuti 1997)
 raesaenienii Erichsen = misidentification for North America
 rhodocarpa Körber (Tuckerman 1882) = *Varicellaria rhodocarpa*
 rhodoleuca Th. Fr. = *Ochrolechia rhodoleuca*
 rubescens Erichsen = *P. propinqua*
 santamonicae Dibben = *Varicellaria velata* (Archer & Messuti 1997)
 scutellaris (Schaerer) Hue (Fink 1935) = *Lepra albescens*
 shenandoensis Hale & Dibben = *P. plittiana* (Lendemmer & Harris 2012)
 subamplicata Nyl. Erroneous name created by typographic error, first appearing in Egan (1987)
 subdactylina Nyl. = *Lepra subdactylina*
 subplicans Nyl. = *Ochrolechia subplicans*
 subpupillaris Vězda = *P. glaucomela*
 subvelata G. K. Merr. = [Lepra subvelata \(Spribille et al. 2020\)](#)
 tabuliformis Erichsen = *P. leioplaca*
 taeniata Erichsen = *P. zeorina*
 torquata Müll. Arg. = *P. propinqua*
 trachydactyla Vainio = identity uncertain, possibly an *Ochrolechia* sp.
 trachythallina Erichsen = *Lepra trachythallina*
 tuberculifera Nyl. = misidentification for North America; most specimens are *P. paratuberculifera*
 tuckermanii Erichsen = *P. subobducens*
 ventosa Malme = *Lepra ventosa*
 velata (Turner) Nyl. = *Varicellaria velata* (Schmitt et al. 2012)
 waghornei Hulting = *Lepra waghornei*
 wulfenii DC. = *P. hymenea*
 xanthostoma (Sommerf.) Fr. = *Ochrolechia xanthostoma*

PETRACTIS Fr.

clausa (Hoffm.) Kremp. (Dillman et al. 2012)
farlowii (Tuck. ex Nyl.) Vězda Syn.: *Gyalecta farlowii*

PEZIZELLA Fuckel

***epithallina** (W. Phillips & Plowr.) Sacc. (Diederich 2003)

PHACOGRAPHA Hafellner (Hafellner 2009)

***glaucomaria** (Nyl.) Hafellner Syns.: *Buellia glaucomaria*, *Leciographa glaucomaria*, *Opegrapha glaucomaria*

PHACOPSIS Tul.

***cephalodioides** (Nyl.) Triebel & Rambold (Diederich 2003)
 ***vulpicidae** Zhurb. & Diederich (Zhurbenko et al. 2019)
 ***vulpina** Tul.
 ***doerfeltii** Alstrup & P. Scholz (Scholz 1998) = *Nesolechia doerfeltii*
 ***fusca** (Triebel & Rambold) Diederich (Diederich 2003) = *Nesolechia oxyspora* var. *fusca* (Diederich et al. 2019)
 ***huuskonenii** Räsänen = *Raesaenenia huuskonenii* (Divakar et al. 2015)
 ***oxyspora** (Tul.) Triebel & Rambold = *Nesolechia oxyspora*
 ***oxyspora** var. *defecta* Triebel & Rambold = *Nesolechia oxyspora*
 ***oxyspora** var. *fusca* Triebel & Rambold = *Nesolechia oxyspora* var. *fusca*
 ***thallicola** (A. Massal.) Triebel & Rambold = *Nesolechia thallicola*

PHACOTHECIUM Trevisan

***varium** (Tul.) Trevisan Syn.: *Opegrapha physciaria* (Hafellner 2009)

PHAEOCALICIUM A.F.W. Schmidt

***betulinum** (Nyl.) Tibell (Selva & Tibell 1999)
 ***boreale** (Nyl.) Tibell (McCune et al. 2014b)

- +**compressulum** (Nyl. ex Vainio) A.F.W. Schmidt Syn.: Mycocalicium compressulum
- +**curtisii** (Tuck.) Tibell Syn.: Calicium curtisii
- +**flabelliforme** Tibell (Selva & Tibell 1999)
- +**interruptum** (Nyl.) Tibell (Hardman et al. 2016)
- +**matthewsianum** Selva & Tibell (Selva & Tibell 1999)
- +**minutissimum** (G. Merr.) Selva Syns.: Calicium minutissimum, Stenocybe minutissima (Selva & Tibell 1999)
- +**polyporaecum** (Nyl.) Tibell
- +**populneum** (Brond. ex Duby) A.F.W. Schmidt Syn.: Calicium populneum
- +**praecedens** (Nyl.) A.F.W. Schmidt
- +**tremulicola** (Norrlin ex Nyl.) Tibell Syn. Stenocybe tremulicola (Tibell 1996; Selva & Tibell 1999)

PHAEOGRAPHINA Müll. Arg.

- asteroides Fink = Phaeographis asteroides
- caesiopruinosa (Fée) Müll. Arg. = Platygramme caesiopruinosa
- columbina (Tuck.) Zahlbr. = Fissurina columbina
- explicans Fink = Leiorreuma explicans
- plurifera (Nyl.) Fink = Platygramme caesiopruinosa
- quassicola (Fée) Müll. Arg. = Thecaria quassicola
- scalpturata (Ach.) Müll. Arg. = Phaeographis scalpturata

PHAEOGRAPHIS Müll. Arg.

- arthonioides** (Vainio) Zahlbr.
- asteroides** (Fink) Lendemer Syn.: Phaeographina asteroides (Lendemer & Knudsen 2008b)
- atromaculata** (A. W. Archer) A. W. Archer (Lendemer & Knudsen 2008b)
- brasiliensis** (A. Massal.) Kalb & Matthes-Leicht (Archer 2006)
- delicatula** Common & Lücking (Lücking et al. 2011b)
- dendritica** (Ach.) Müll. Arg. Syn.: Graphis dendritica
- dendriticella** Müll. Arg.
- dividens** (Nyl.) Kr. P. Singh & Swarnalatha (Seavey et al. 2017)
- erumpens** (Nyl.) Müll. Arg.
- flavescens** Dal Forno & Eliasaro (Lücking et al. 2011b)
- haematites** (Fée) Müll. Arg.
- inconspicua** (Fée) Müll. Arg. (Lücking et al. 2011b)
- intricans** (Nyl.) Staiger Syn.: Sarcographa intricans (Staiger 2002)
- inusta** (Ach.) Müll. Arg.
- leigrammodes** (Kremp.) Müll. Arg. (Lücking et al. 2011b)
- lobata** (Eschw.) Müll. Arg.
- major** (Kremp.) Lücking (Lücking et al. 2011b)
- multicolor** R. C. Harris
- nylanderi** (Vainio) Zahlbr. (Lücking et al. 2011b)
- oricola** Lendemer & R. C. Harris (Lendemer & Harris 2014a)
- pseudostromatica** F. Seavey & J. Seavey (Seavey et al. 2017)
- punctiformis** (Eschw.) Müll. Arg.
- quadrifera** (Nyl.) Staiger (Seavey et al. 2017)
- radiata** F. Seavey & J. Seavey (Seavey et al. 2017)
- scalpturata** (Ach.) Staiger (Lücking et al. 2011b)
- schizoloma** (Müll. Arg.) Müll. Arg. (Lücking et al. 2011b)
- smithii** (Leighton) B. de Lesd. (Tønsberg 1999a)
- subfulgurata** (Nyl.) Zahlbr.
- tortuosa** (Ach.) Müll. Arg.
- exaltata (Mont. & Bosch) Müll. Arg. = Leiorreuma exaltatum
- eulectra (Tuck.) Zahlbr. = Graphis eulectra
- lyellii (Sm.) Zahlbr. = misidentification for North America
- patellula (Fée) Müll. Arg. (Fink 1935) = Leiorreuma patellulum

sericea (Eschw.) Müll. Arg. = *Leiorreuma sericea*
sexloculata Fink = *P. arthonioides*
subtigrina (Vainio) Zahlbr. = *P. brasiliensis*

PHAEOPHYSCIA Moberg

adiastola (Essl.) Essl. Syn.: *Physcia adiaastola*
ciliata (Hoffm.) Moberg Syn.: *Physcia ciliata*, *P. obscura* auct.
constipata (Norrin & Nyl.) Moberg Syn.: *Physcia constipata*
decolor (Kashiw.) Essl.
endococcina (Körber) Moberg Syn.: *Parmelia endococcina*, *Physcia endococcina*, *P. lithotodes*,
(?) *P. columbiana*
endococcinodes (Poelt) Essl. Syn.: *Physcia endococcinodes*
erythrocardia (Tuck.) Essl. Syn.: *Physcia obscura* var. *erythrocardia*
hirsuta (Mereschk.) Essl. Syn.: *Physcia hirsuta*
hirtella Essl.
hispidula (Ach.) Essl. Syn.: *Physcia hispidula*, *P. setosa*
insignis (Mereschk.) Moberg
kairamoi (Vainio) Moberg Syn.: *Physcia kairamoi*
leana (Tuck.) Essl. Syn.: *Parmelia leana*, *Physcia leana*
nigricans (Flörke) Moberg Syn.: *Physcia nigricans*
orbicularis (Necker) Moberg Syn.: *Physcia orbicularis*, *P. virella*
pusilloides (Zahlbr.) Essl. Syn.: *Physcia pusilloides*
rubropulchra (Degel.) Essl. Syn.: *Physcia orbicularis* f. *rubropulchra*, *P. endochrysea*, *P.*
rubropulchra
sciastra (Ach.) Moberg Syn.: *Physcia sciastra*, *P. lithotea*
squarrosa Kashiw. (Moberg 1995) Syn: *Physcia lacinulata*, for North American records
cernohorskyi (Nádv.) Essl. = *P. hirsuta* (Esslinger 2004b)
chloantha (Ach.) Moberg = *Physciella chloantha*
imbricata sensu Esslinger (1978) = *P. squarrosa*
imbricata (Vainio) Essl. = *P. hispidula*
melanchra (Hue) Hale = *Physciella melanchra*
nepalensis (Poelt) D. D. Awasthi = *Physciella nepalensis*

PHAEOPYXIS Rambold & Triebel (Rambold & Triebel 1990) = **BACHMANNIOMYCES** (Diederich et al. 2018)

**punctum* (A. Massal.) Rambold, Triebel & Coppins (Rambold & Triebel 1990) =
[Bachmanniomyces punctum](#) (Diederich et al. 2018)

PHAEORRHIZA H. Mayrhofer & Poelt

nimbosa (Fr.) H. Mayrhofer & Poelt Syn.: *Rinodina nimbosa*, *R. phaeocarpa*
sareptana (Tomin) H. Mayrhofer & Poelt

PHAEOSPORA Hepp ex Stein

***arctica** Horáková & Alstrup
***catolechia** Zopf (Zhurbenko 2014)
***parasitica** (Lönnr.) Arnold
***rimosicola** (Leighton ex Mudd) Hepp ex Stein Syn.: *Pyrenulella endococcoidea*
***peltigericola** D. Hawksw. (Alstrup & Ahti 2007) = [Leptosphaeria arnoldii](#)

PHAEOSPOROBOLUS D. Hawksw. & Hafellner

***alpinus** R. Sant., Alstrup & D. Hawksw. = *Lichenostigma alpinum* (Ertz et al. 2014)
***fellhanerae** R. C. Harris & Lendemer (Harris & Lendemer 2009) = *Lichenostigma fellhanerae*
(Ertz et al. 2014)
***usneae** D. Hawksw. & Hafellner = *Lichenostigma maureri* (Ertz et al. 2014)

PHAEOTREMA Müll. Arg.

californicum (Tuck.) Zahlbr. = *Thelotrema californicum*
meiospermum (Nyl.) Müll. Arg. = *Melanotrema meiospermum*

PHARCIDIA Körber = **STIGMIDIUM**

**dispersa* (J. Lahm ex Körber) Winter ex Rabenh. = *Zwackhiomyces dispersus*
**ephebes* Henssen = *Stigmatidium ephebes*
**epicymatia* (Wallr.) Winter = a *Stigmatidium* spp.
**parva* Henssen = *Stigmatidium parvum*

PHLOEOPECCANIA J. Steiner (Schultz & Büdel 2005)

major Henssen ined. (Schultz & Büdel 2005)
pulvinulina J. Steiner (Schultz & Büdel 2005)

PHLYCTELLA Kremp.

andensis Nyl.

PHLYCTIDIA Müll. Arg.

ludoviciensis Müll. Arg. = *Phlyctis boliviensis*

PHLYCTIS Wallr.

agelaea (Ach.) Flotow
argena (Ach.) Flotow
boliviensis Nyl. Syn.: *Phlyctidia ludoviciensis* (Lendemer & R. C. Harris 2014d)
petraea R. C. Harris, Muscavitch, Ladd & Lendemer (Muscavitch et al. 2017a)
speirea G. Merr.
ludoviciensis (Müll. Arg.) Lendemer (Lendemer 2005a) = *P. boliviensis*
willeyi Tuck. = *Leucodecton willeyi*

PHOEBUS R. C. Harris & Ladd (Harris & Ladd 2005, 2007)

hydrophobius R. C. Harris & Ladd (Harris & Ladd 2005, 2007)

PHOMA Fr.

***fuliginosa** M. S. Cole & D. Hawksw. (Hawksworth & Cole 2004)
***peltigerae** (P. Karsten) D. Hawksw. (Zhurbenko & Laursen 2003)
***caloplacae** D. Hawksw. (Lawrey et al. 2012) = *Didymocyrtis consimilis* (Diederich et al. 2018)
***cladoniicola** Diederich, Kocourk. & Etayo (Diederich et al. 2007) = *Didymocyrtis cladoniicola* (Ertz et al. 2015a)
***cytospora** (Vouaux) D. Hawks. (Cole & D. Hawksworth 2001) = *Briancoppinsia cytospora* (Diederich et al. 2012; Kocourkova et al. 2012)
***grumantiana** Zhurb. & Diederich (Diederich et al. 2007) = *Didymocyrtis grumantiana* (Diederich et al. 2018)
***lobariae** Diederich & Etayo (Hafellner et al. 2002) = *Abrothallus lobariae* (Diederich et al. 2018)
***lobariicola** Alstrup (Spribille et al. 2010) = *Catillaria lobariicola* (Diederich et al. 2018)
***physciicola** Keissler (Alstrup & Cole 1998) = *Didymocyrtis epiphyscia* (Ertz et al. 2015a)
***puncteliae** Diederich & Lawrey (Lawrey et al. 2012) = *Xenophoma puncteliae* (Diederich et al. 2018)
***xanthomendozae** Diederich & Freebury (Lawrey et al. 2012) = *Didymocyrtis xanthomendozae* (Ertz et al. 2015a)

PHRAGMONAEVIA Rehm

***fuckelii** Rehm = *Corticifraga fuckelii*

PHYLLISCUM Nyl.

#**demangeonii** (Moug. & Mont.) Nyl. Syn.: *Thyrea demangeonii*
tenuis Henssen

PHYLLOBLASTIA Vainio

fortuita Llop & Gómez-Bolea (Carlberg 2016)

PHYLLOPSORA Müll. Arg.

breviuscula (Nyl.) Müll. Arg. (Timdal 2011) Syn.: *Lecidea breviuscula*

buettneri (Müll. Arg.) Zahlbr. (Timdal 2011)

confusa Swinscow & Krog

corallina (Eschw.) Müll. Arg. var. **corallina**

furfuracea (Pers.) Zahlbr. Syn.: *Lecidea furfuracea*

glabella (Nyl.) Gotth. Schneider

glaucella (Vainio) Timdal (Timdal 2008)

glaucescens (Nyl.) Gotth. Schneider (Seavey et al. 2017) [Correct placement uncertain \(Kistenich et al. 2019\)](#)

gossypina (Sw.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Crocynia gossypina* (Kistenich et al. 2018)

isidiosa Kistenich & Timdal (Kistenich et al. 2019)

isidiotyla (Vainio) Riddle (Brako 1991)

neotunica Kistenich & Timdal (Kistenich et al. 2019)

parvifolia (Pers.) Müll. Arg. var. **parvifolia** Syns.: *Biatora fendleri*, *B. parvifolia*, *B. parvifolia* var. *corallina*, *B. parvifolia* var. *subgranulosa*, *Lecidea parvifolia*

parvifoliella (Nyl.) Müll. Arg. Syn.: *Lecidea parvifoliella*

porphyromelaena (Vainio) Zahlbr. (Timdal 2011)

pyxinoidea (Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Crocynia pyxinoidea* (Kistenich et al. 2018)

rappiana (Brako) Elix (Timdal 2011)

santensis (Tuck.) Swinscow & Krog (Timdal 2008) Syns.: *Bacidia microphyllina* auct., *Lecidea santensis*

buettneri (Müll. Arg.) Zahlbr. var. *glaucella* (B. de Lesd.) Brako (Harris 1995a) = *P.*

porphyromelaena

buettneri var. *munda* (Malme) Brako (Brako 1991) = *P. buettneri*

canoumbrina (Vainio) Brako Not known from North America; see note under *Bacidia*

subgranulosa

corallina var. *glaucella* (Vainio) Brako (Brako 1991) = *P. glaucella*

corallina var. *ochroxantha* (Nyl.) Brako (Brako 1991) = [Wolseleyidea ochroxantha](#)

corallina var. *rappiana* Brako (Brako 1991) = *P. rappiana*

corallina var. *santensis* (Tuck.) Brako = *P. santensis*

halei (Tuck.) Zahlbr. = *Biatora halei*

kalbii Brako (Brako 1991) = *Biatora kalbii*

labriformis Timdal (Seavey & Seavey 2014a) = [Parallopsora labriformis](#) (Kistenich et al. 2018)

lacerata Timdal (Lücking et al. 2011b) = *Bacidina lacerata* (Kistenich et al. 2018)

ochroxantha (Nyl.) Zahlbr. (Timdal 2008) = [Wolseleyidea ochroxantha](#) (Kondratyuk et al. 2019)

parvifolia var. *breviuscula* (Nyl.) Brako (Brako 1991) = *P. breviuscula*

subcorallina Zahlbr. = *Catinaria subcorallina*

subfilamentosa Zahlbr. = *Lecidea subfilamentosa*

PHYSALOSPORA Niessl

**xanthorhae* (Wedd.) Sacc. = misidentification for North America

PHYSCIA (Schreber) Michaux

adscendens (Fr.) H. Olivier

aipolia (Ehrh. ex Humb.) Fűrnr. var. **aipolia** Syn.: *Parmelia aipolia*

albinea (Ach.) Nyl.

alnophila (Vainio) Loht., Moberg, Myllys & Tehler (Lohtander et al. 2009)

americana G. Merr.

atrostriata Moberg

biziana (A. Massal.) Zahlbr.
caesia (Hoffm.) Hampe ex Fürnr.
clementei (Sm.) Lynge
convexa Müll. Arg.
crispa Nyl. Many old records using this name are actually *P. atrostriata*
dakotensis Essl. (Esslinger 2004a)
dimidiata (Arnold) Nyl.
dubia (Hoffm.) Lettau
duplicorticata W. A. Weber & J. W. Thomson
erumpens Moberg (Moberg 1997)
halei J. W. Thomson
leptalea (Ach.) DC.
magnussonii Frey
mexicana B. de Lesd.
millegrana Degel.
montana B. de Lesd.
nashii Moberg (Moberg 1997)
neglecta Moberg (Tucker 2014)
neogaea R. C. Harris
occidentalis Essl. & McCune (Esslinger et al. 2020)
phaea (Tuck.) J. W. Thomson Syn.: *Parmelia phaea*
poncinsii Hue (Harris 1995a)
pseudospeciosa J. W. Thomson
pumilior R. C. Harris
rhizinata Essl. & McCune (Esslinger et al. 2020)
solistella Essl. & Egan (Esslinger & Egan 1996)
sorediosa (Vainio) Lynge
stellaris (L.) Nyl.
subalbinea Nyl. (Lohtander et al. 2009)
subtilis Degel.
tenella (Scop.) DC. Syn.: *Borreria tenella*
tenella subsp. **marina** (A. Nyl.) D. Hawksw.
tenellula Moberg (Moberg 1997)
thomsoniana Essl. (Esslinger 2017)
tribacia (Ach.) Nyl.
undulata Moberg (Harris 1995a)
villosula Moberg (Tucker 2014)
adglutinata (Flörke) Nyl. = *Hyperphyscia adglutinata*
adglutinata f. *pyrithrocardia* Müll. Arg. (Tuckerman 1882) = *Hyperphyscia pyrithrocardia*
adiastola Essl. = *Phaeophyscia adiaastola*
aegialita (Afzel. ex Ach.) B. J. Moore = *Dirinaria aegialita*
aipolia var. *alnophila* (Vainio) Lynge = *P. alnophila*
alba (Fée) Müll. Arg. = misidentification for North America
alba var. *obsessa* (Mont.) J. W. Thomson = *P. integrata* Nyl., but a misidentification for North America
albicans sensu J. W. Thomson = *P. atrostriata* for North American reports
albicans (Pers.) J. W. Thomson = *Heterodermia albicans*
aquila (Ach.) Nyl. (Tuckerman 1882) = *Anaptychia runcinata*, a misidentification for N.A.
aquila var. *detonsa* (Fr.) Tuck. (Claassen 1912) = *Anaptychia palmulata*
aspera H. Magn. = *Dirinaria aegialita*
astroidea (Clem.) Nyl. = *P. clementei*
astroidea f. *hypomela* Tuck (Tuckerman 1882) Identity uncertain
cainii Räsänen = *P. aipolia*
callosa sensu Thomson (1963) = *P. tribacia* (Moberg 1997)
callosa Nyl. = *P. phaea*
cascadensis H. Magn. = *P. phaea* (Moberg 1997)

cernohorskyi Nád. = *Phaeophyscia cernohorskyi*
 chloantha (Ach.) Vainio = *Physciella chloantha*
 ciliaris (L.) DC. (Tuckerman 1882) = *Anaptychia ciliaris*, a misidentification for *N.A.*
 ciliaris var. crinalis Schaerer (Tuckerman 1882) = *Anaptychia crinalis*
 ciliata (Hoffm.) Du Rietz = *Phaeophyscia ciliata*
 cocoes (Sw.) Nyl. (Tuckerman 1882) = *Pyxine cocoes*
 columbiana B. de Lesd. = (?) *Phaeophyscia endococcina*, but the type not seen
 comosa (Eschw.) Nyl. = *Heterodermia comosa*
 constipata Norrlin & Nyl. = *Phaeophyscia constipata*
 convexella Moberg (Moberg 1997, in map) Erroneous report for the United States (Moberg 2002)
 crispa (Pers.) Nyl. f. hypomela Tuck. (Tuckerman 1882) Identity uncertain
 culbersonii J. W. Thomson (nomen nudum) = *Phaeophyscia squarrosa*
 detersa (Nyl.) Nyl. = *Physconia detersa*
 detonsa (Fr.) Nyl. (Tuckerman 1882) = *Anaptychia palmulata*
 elaeina (Sm.) A. L. Sm. = *Hyperphyscia adglutinata*
 erinacea (Ach.) Tuck. (Tuckerman 1882) = *Heterodermia erinacea*
 erosa Borrer, Syn. *N.A. Lichens I: 75* = *Physcia tribacia*
 endochrysea (Hampe) Nyl. = *Phaeophyscia rubropulchra*
 endococcina (Körber) Th. Fr. = *Phaeophyscia endococcina*
 endococcinodes Poelt = *Phaeophyscia endococcinodes*
 fragileszens Zahlbr. = *P. solediosa*
 frostii (Tuck.) Zahlbr. = *Dirinaria frostii*
 granulifera (Ach.) Tuck. (Tuckerman 1882) = *Heterodermia granulifera*
 grisea (Lam.) Zahlbr. = *Physconia grisea*, but a misidentification for North America
 hirsuta Mereschk. = *Phaeophyscia hirsuta*
 hispida auct. = *P. tenella*
 hispidula (Ach.) Frey = *Phaeophyscia hispidula*
 hypoleuca (Ach.) Tuck. = *Heterodermia hypoleuca*
 intermedia Vainio = *P. dubia*
 imbricata Vainio = *Phaeophyscia hispidula*
 isidiigera (Zahlbr.) Fink = *Physconia isidiigera*
 kairamoi Vainio = *Phaeophyscia kairamoi*
 lacinulata Müll. Arg. = *Phaeophyscia squarrosa*, for North American records
 leana (Tuck.) Tuck. = *Phaeophyscia leana*
 leucoleiptes (Tuck.) Lettau = *Physconia leucoleiptes*
 leucomela (L.) Michaux (Tuckerman 1882) = *Heterodermia leucomela*
 lithotea "(Ach.) Nyl." = *Phaeophyscia sciastra*
 lithotodes Nyl. = *Phaeophyscia endococcina*
 luganensis Mereschk. = *Physciella chloantha*
 meissneri Tuck. (Tuckerman 1882) = *Pyxine berteriana*
 melanchra Hue = *Physciella melanchra*
 melops Dufour = *P. phaea*
 minor (Fée) Vainio = *Hyperphyscia minor*
 muscigena (Ach.) Nyl. = *Physconia muscigena*
 nepalensis Poelt = *Physciella nepalensis*
 nigricans (Flörke) Stizenb. = *Phaeophyscia nigricans*
 obscura auct. = *Phaeophyscia ciliata*
 obscura var. endochrysea (Hampe) Nyl. (Claassen 1912) North American reports are
Phaeophyscia rubropulchra
 obscura var. erythrocardia Tuck. (Tuckerman 1882) = *Phaeophyscia erythrocardia*
 obsessa (Mont.) Nyl. = *P. integrata*, but a misidentification for North America
 orbicularis (Necker) Poetsch = *Phaeophyscia orbicularis*
 orbicularis f. rubropulchra Degel. = *Phaeophyscia rubropulchra*
 picta (Sw.) Nyl. = *Dirinaria picta*
 pulverulenta auct. non (Schreber) Fürm. = *Physconia distorta*, but a misidentification for North
 America

pulverulenta (Schreber) Nyl. var. *leucoleiptes* Tuck. (Tuckerman 1882) = *Physconia leucoleiptes*
pusilloides Zahlbr. = *Phaeophyscia pusilloides*
purpurascens Vainio = *Dirinaria purpurascens*
ravenelii Tuck. (Tuckerman 1882) = *Heterodermia albicans*
rubropulchra (Degel.) Moberg = *Phaeophyscia rubropulchra*
sciastra (Ach.) Du Rietz = *Phaeophyscia sciastra*
semipinnata (J. F. Gmelin) Moberg = *P. leptalea*
setosa (Ach.) Nyl. = *Phaeophyscia hispidula*
sorediata Fr. (Tuckerman 1882) = *Pyxine sorediata*
speciosa (Wulfen) Nyl. = *Heterodermia speciosa*
stellaris (L.) Nyl. var. *aipolia* (Ehrh. ex Humb.) Tuck. (Tuckerman 1882) = *Physcia aipolia*
stellaris var. *hispidula* (Schreber) Nyl. (Tuckerman 1882) = *Physcia tenella*
stellaris var. *tribacia* (Ach.) Tuck. (Tuckerman 1882) = *Physcia tribacia*
subobscura Nyl. = *P. tenella* subsp. *marina*
syncolla Tuck. ex Nyl. = *Hyperphyscia syncolla*
teretiuscula (Ach.) Lynge = *P. dubia*
tribacoides auct. non Nyl. = *P. americana*
venusta (Ach.) Nyl. = *Physconia venusta*, but a misidentification for North America
virella (Ach.) Flagey (Fink 1935) = *Phaeophyscia orbicularis*
wainioi Räsänen = *P. subalbinea*
wrightii Tuck. = North American report is *Heterodermia diademata* (Esslinger & Tucker 2009)

PHYSICIELLA Essl.

chloantha (Ach.) Essl. Syn.: *Physcia chloantha*, *P. luganensis*, *Phaeophyscia chloantha*
melanchra (Hue) Essl. Syn.: *Physcia melanchra*, *Phaeophyscia melanchra*
nepalensis (Poelt) Essl. Syn.: *Physcia nepalensis*, *Phaeophyscia nepalensis*

PHYSCIOPSIS M. Choisy = **HYPERPHYSCIA**

adglutinata (Flörke) M. Choisy = *Hyperphyscia adglutinata*
elaeina (Sm.) Poelt = *Hyperphyscia adglutinata*
minor (Fée) B. J. Moore = *Hyperphyscia minor*
syncolla (Tuck. ex Nyl.) Poelt = *Hyperphyscia syncolla*

PHYSCONIA Poelt

americana Essl. (Esslinger 1994)
californica Essl. (Esslinger 2000b)
detersa (Nyl.) Poelt Syn.: *Physcia detersa*
elegantula Essl.
enteroxantha (Nyl.) Poelt
fallax Essl. (Esslinger 2000b)
grumosa Kashiw. & Poelt (Esslinger & Dillman 2010)
isidiigera (Zahlbr.) Essl.
isidiomuscigena Essl. (Esslinger 2000b)
labrata Essl., McCune & Haughland (Esslinger et al. 2017)
leucoleiptes (Tuck.) Essl. Syn.: *Physcia leucoleiptes*, *Physcia pulverulenta* var. *leucoleiptes*
muscigena (Ach.) Poelt Syn.: *Physcia muscigena*
perisidiosa (Erichsen) Moberg
subpallida Essl.
distorta (With.) J. R. Laundon = misidentification for North America
farrea sensu Poelt = *P. perisidiosa* [*Parmelia farrea* Ach. = *Physconia grisea*]
grisea (Lam.) Poelt = misidentification for North America
kurokawae Kashiw. = *P. leucoleiptes* (Esslinger 2002d)
pulverulacea Moberg = *P. distorta*, but a misidentification for North America
pulverulenta auct. non (Schreber) Poelt = *P. distorta*, but a misidentification for North America
thomsonii Essl. = *Anaptychia elbursiana*

PHYSMA A. Massal.

byrsaem (Afzel. ex Ach.) Tuck. ("byrsinum")

cataractaeccola B. de Lesd.

luridum (Mont.) Tuck. = *Pannaria lurida*

PHYTOCONIS Bory

ericetorum (Pers. : Fr.) Redhead & Kuyper = *Lichenomphalia umbellifera*

luteovitellina (Pilát & Nannf.) Redhead & Kuyper = *Lichenomphalia alpina*

velutina (Quélet) Redhead & Kuyper = *Lichenomphalia velutina*

viridis (Ach.) Redhead & Kuyper = *Lichenomphalia hudsoniana*

PICCOLIA A. Massal. (Hafellner 1995)

conspersa (Fée) Vainio Syn.: *Biatorella conspersa*, *Heterothecium conspersum* (Hafellner 1995)

nannaria (Tuck.) Lendemer & Beeching Syn.: *Biatorella nannaria*, *Heterothecium nannarium* (Knudsen & Lendemer 2007)

ochrophora (Nyl.) Hafellner Syn.: *Biatorella ochrophora*, *Lecidea ochrophora*, *Strangospora ochrophora* (Hafellner 2004d)

PILOPHORUS Th. Fr.

acicularis (Ach.) Th. Fr.

cereolus (Ach.) Th. Fr. in Hellbom

clavatus Th. Fr. Syn.: *P. hallii*

dovrensis (Nyl.) Timdal, Hertel & Rambold Syn.: *Lecidea pallida*

fibula (Tuck.) Th. Fr.

nigricaulis M. Satô

robustus Th. Fr.

vegae Krog

cereolus (Ach.) Th. Fr. var. *acicularis* (Ach.) Tuck. (Tuckerman 1882) = *Pilophorus acicularis*

cereolus var. *fibula* (Tuck.) Tuck. (Tuckerman 1882) = *Pilophorus fibula*

cereolus var. *hallii* (Tuck.) Tuck. (Tuckerman 1882) = *Pilophorus clavatus*

cereolus var. *robustus* (Th. Fr.) Tuck. (Tuckerman 1882) = *Pilophorus robustus*

hallii (Tuck.) Vainio = *P. clavatus*

pallidus (Th. Fr.) Timdal = *P. dovrensis*

PLACIDIOPSIS Beltr.

cinerascens (Nyl.) Breuss

minor R. C. Harris

pseudocinerea Breuss

cervinula (Nyl.) Vainio = misidentification for North America

PLACIDIUM A. Massal. (Breuss 1996)

acarosporoides (Zahlbr.) Breuss (Breuss & Bratt 2000) Syn.: *Catapyrenium acarosporoides*,

Dermatocarpon acarosporoides, *D. novomexicanum*, *Endopyrenium bajadanae*, *E.*

novomexicanum, *Heteroplacidium acarosporoides*

andicola (Breuss) Breuss Syn.: *Catapyrenium andicolum*

arboreum (Schwein. ex E. Michener) Lendemer Syn.: *Catapyrenium tuckermanii*,

Dermatocarpon tuckermanii, *Dermatocarpon arboretum*, *Endocarpon arboretum*, *E. tuckermanii*,

Endopyrenium tuckermanii (Lendemer & Yahr 2004)

californicum Breuss (Breuss & Bratt 2000)

chilense (Räsänen) Breuss Syn.: *Catapyrenium chilense*

fungens (Breuss) Breuss (Breuss 2002d)

imbecillum (Breuss) Breuss (McCune & Rosentreter 2007)

lachneum (Ach.) B. de Lesd. Syn.: *Catapyrenium lachneum*

melchii A. Massal. Syn.: *Catapyrenium melchii*, *Dermatocarpon melchii*

norvegicum (Breuss) Breuss Syn.: *Catapyrenium norvegicum*

pilosellum (Breuss) Breuss (Nash et al. 1998)

podolepis (Breuss) M. Prieto (Prieto et al. 2012) Syns.: *Catapyrenium podolepis*, *Heteroplacidium podolepis*

rufescens (Ach.) A. Massal. Syns.: *Catapyrenium rufescens*, *Dermatocarpon rufescens*

squamulosum (Ach.) Breuss Syns.: *Catapyrenium squamulosum*, *Dermatocarpon hepaticum* auct. non (Ach.) Th. Fr.

yoshimurae (H. Harada) Breuss (McCune 2017)

lacinulatum (Ach.) Breuss = *Clavascidium lacinulatum*

lacinulatum var. *atrans* Breuss (Lendemer 2004c) = *Clavascidium lacinulatum* var. *atrans*

lacinulatum var. *erythrostratum* Breuss (Breuss 2000) = *Clavascidium lacinulatum* var. *erythrostratum*

tuckermanii (Ravenel ex Mont.) Breuss = *P. arboreum*

umbrinum (Breuss) Prieto & Breuss (Gueidan et al. 2009) = *Clavascidium umbrinum*

PLACOCARPUS Trevisan

#**americanus** K. Knudsen, Breuss, & Kocourk. (Knudsen et al. 2009)

schaereri (Fr.) Breuss = misidentification for North America (McCune et al. 2014b)

PLACODIUM F. H. Wigg.

aurantiacum (Lightf.) Hepp (Claassen 1912) = *Gyalolechia flavorubescens*

bolacinum Tuck. = *Polycauliona bolacina*

camptidium (Tuck.) Tuck. (Tuckerman 1882) = *Caloplaca camptidia*

cerinum (Hedwig) Nägeli ex Hepp (Claassen 1912) = *Caloplaca cerina*

cerinum var. *sideritis* Tuck. (Tuckerman 1882) = *Caloplaca sideritis*

cinnabarinum (Ach.) Nyl. = *Caloplaca cinnabarina*

cirrochroum (Ach.) Rabenh. (Tuckerman 1882) = *Leproplaca cirrochroa*

citrinum (Hoffm.) Hepp (Tuckerman 1882) = *Flavoplaca citrina*

cladodes Tuck. = *Pachypeltis cladodes*

coralloides Tuck. = *Polycauliona coralloides*

crenulatum (Wahlenb.) Tuck. (Tuckerman 1882) = *Candelariella arctica*

diphasium (Tuck.) Tuck. (Tuckerman 1882) = *Caloplaca diphasia*

elegans (Link) DC = *Rusavskia elegans*

elegans var. *trachyphyllum* Tuck. = *Xanthomendoza trachyphylla*

eugyrum Tuck. (Tuckerman 1882) = *Caloplaca eugyra*

ferrugineum (Hudson) Hepp = *Blastenia ferruginea*

ferrugineum f. *bolanderi* Tuck. = *Polycauliona luteominia* var. *bolanderi*

ferrugineum var. *discolor* Willey (Tuckerman 1882) = *Gyalolechia xanthostigmoidea*

ferrugineum var. *pollinii* (A. Massl.) Hepp (Tuckerman 1882) = *Caloplaca pollinii*

ferrugineum var. *wrightii* Tuck. (Tuckerman 1882) = *Caloplaca wrightii*

fulgens (Sw.) DC. = *Gyalolechia fulgens*

fulgens var. *bracteatum* (Hoffm.) Mull. Arg. (Tuckerman 1882) = *Gyalolechia bracteata*

galactophyllum Tuck. = *Squamulea galactophylla*

jungermanniae (Vahl) Tuck. (Tuckerman 1882) = *Bryoplaca jungermanniae*

luteominium Tuck. (Tuckerman 1882) = *Polycauliona luteominia*

microphyllum Tuck. = *Caloplaca microphyllina*

murorum (Hoffm.) DC. (Tuckerman 1882) = *Calogaya saxicola*

nivale (Körber) Tuck. (Tuckerman 1882) = *Caloplaca nivalis*

peliophyllum Tuck. = *Caloplaca peliophylla*

pyraceum (Ach.) Fink (Claassen 1917) = *Athallia pyracea*

sinapispermum (DC.) Hepp (Tuckerman 1882) = *Bryoplaca sinapisperma*

spraguei Tuck. (Tuckerman 1882) = *Candelariella spraguei*

variabile (Pers.) Hepp (Tuckerman 1882) = *Pyrenodesmia variabilis*

variabile var. *atroalbum* Tuck. (Tuckerman 1882) Identity uncertain

vitellinum (Hoffm.) Hepp (Claassen 1912) = *Candelariella vitellina*

vitellinum var. *aurellum* Ach. (Tuckerman 1882) = *Candelariella aurella*

PLACOMARONEA Räsänen

mendozae (Räsänen) M. Westberg (Westberg 2004a)

PLACOPSIS (Nyl.) Lindsay

cribellans (Nyl.) Räsänen

fusciduloides D. J. Galloway (Galloway 2005)

gelida (L.) Lindsay Syn.: *Lecanora gelida*

lambii Hertel & V. Wirth (Moberg & Carlin 1996; Brodo et al. 2001)

roseonigra Brodo

effusa I. M. Lamb = misidentification for North America

PLACOPYRENIUM Breuss

bucekii (Nádv. & Servít) Breuss (Breuss 2009)

caeruleopulvinum (J.W. Thomson) Breuss (Breuss 2002e) Syn.: *Catapyrenium caeruleopulvinum*

canellum (Nyl.) Gueidan & Cl. Roux Syn.: *Verrucaria canella* (Navarro-Rosines et al. 2007)

coloradoense Breuss Syn.: *Catapyrenium schaeereri* sensu Thomson (Breuss 2009)

conforme Breuss (Breuss 2009)

fuscillum (Turner) Gueidan & Cl. Roux Syn.: *Verrucaria fuscilla* (Navarro-Rosines et al. 2007)

heppioides (Zahlbr.) Breuss Syn.: *Catapyrenium heppioides*, *Dermatocarpon heppioides* (Breuss 2002e)

lecideoides (A. Massal.) Gueidan & Cl. roux Syn.: *Dermatocarpon lecideoides*, *Verrucaria lecideoides* (Navarro-Rosines et al. 2007)

#**noxium** Breuss (Breuss 1998)

stanfordii (Herre) K. Knudsen Syn.: *Catapyrenium zahlbruckneri*, *Dermatocarpon zahlbruckneri*, *Verrucaria stanfordii* (Knudsen & Lendemer 2006)

zahlbruckneri (Hasse) Breuss (Breuss 2002e) = *P. stanfordii*

PLACYNTHIELLA Elenkin

dasaea (Stirton) Tønsberg (Tønsberg 1997 [1998])

hyporhoda (Th. Fr.) Coppins & P. James Syn.: *Sacomorpha hyporhoda*

icmalea (Ach.) Coppins & P. James Syn.: *Sacomorpha icmalea*

knudsenii Lendemer (Lendemer 2004d)

oligotropha (J. R. Laundon) Coppins & P. James Syn.: *Sacomorpha oligotropha*, *Lecidea oligotropha*

uliginosa (Schrader) Coppins & P. James Syn.: *Biatora uliginosa*, *Lecidea uliginosa*, *L. humosa*, *Sacomorpha uliginosa*

PLACYNTHIUM (Ach.) Gray

asperellum (Ach.) Trevisan

flabellusum (Tuck.) Zahlbr. Syn.: *Pannaria flabellusum*

garovaglioii (A. Massal.) Zahlbr. (Fryday 2017)

glaciale Fryday & T. Sprib. (Spribille et al. 2020)

nigrum (Hudson) Gray Syn.: *Pannaria nigra*

pannariellum (Nyl.) H. Magn. (Spribille et al. 2010)

petersii (Nyl.) Burnham Syn.: *Pannaria petersii*, *Pterygium petersii*

stenophyllum (Tuck.) Fink var **stenophyllum** Syn.: *Pannaria stenophylla*

stenophyllum var. **isidiatum** Henssen

subradiatum (Nyl.) Arnold

tantaleum (Hepp) Hue

aspratile (Ach.) Henssen = *P. asperellum*

dubium Herre = *Massalongia microphylliza*

microphyllizum (Nyl. ex Hasse) Hasse = *Massalongia microphylliza*

pannariellum (Nyl.) H. Magn. Reported from Greenland and Iceland but not the U. S. or Canada as yet

rosulans (Th. Fr.) Zahlbr. Reported from Greenland but not the U. S. or Canada as yet

subnigrum B. de Lesd = *Peccania subnigra*

PLAGIOCARPA R. C. Harris = **LITHOTHELIUM**

hyalospora (Nyl.) R. C. Harris = *Lithothelium hyalosporum*
illota (Nyl.) R. C. Harris = *Lithothelium illotum*
langloisii R. C. Harris = *Lithothelium illotum*
macrospora R. C. Harris = *Lithothelium macrosporum*
phaeospora R. C. Harris = *Lithothelium phaeosporum*
septemseptata R. C. Harris = *Lithothelium septemseptatum*

PLATISMATIA W. L. Culb. & C. F. Culb.

glauca (L.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria glauca*
herrei (Imshaug) W. L. Culb. & C. F. Culb. Syn.: *Cetraria herrei*, *C. tuckermanii* Herre non Oakes
lacunosa (Ach.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria lacunosa*
norvegica (Lyng.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria norvegica*
stenophylla (Tuck.) W. L. Culb. & C. F. Culb. Syn.: *Cetraria stenophylla*
tuckermanii (Oakes) W. L. Culb. & C. F. Culb. Syn.: *Cetraria atlantica*, *C. lacunosa* var. *atlantica*, *C. tuckermanii* Oakes non Herre
wheeleri Goward, Altermann & Björk (Lumbsch et al. 2011)

PLATYGRAMME Fée

caesiopruinosa (Fée) Fée Syn.: *Phaeographina caesiopruinosa*, *P. plurifera* (Staiger 2002)
coccinea F. Seavey & J. Seavey (Seavey & Seavey 2014a)
elegantula F. Seavey & J. Seavey (Seavey et al. 2017)
pachnodes (Fée) E. Tripp & Lendemer (Tripp & Lendemer 2010, Lücking et al. 2011b)
praestans (Müll. Arg.) Staiger (Tripp & Lendemer 2010, Lücking et al. 2011b)

PLATYGRAPHA Nyl.

californica (Tuck.) Nyl. = *Sigridea californica*
hypothallina Zahlbr. = *Lecanographa hypothallina*
interrupta (Fée) Nyl. (Tuckerman 1888) = *Platygraphopsis interrupta*
ocellata Nyl. = *Mazosia ocellata*
periclea (Ach.) Nyl. (Tuckerman 1888) = *Schismatomma pericleum*
phlyctella Nyl. (Tuckerman 1888) Identity uncertain
plurilocularis Zahlbr. = *Paraschismatomma ochroleucum* (Ertz & Tehler 2011)
ravenelii Tuck. = *Opegrapha ravenelii*
subattingens Nyl. = *Lecanactis epileuca*
vernans Tuck. (Tuckerman 1888) = *Schismatomma vernans*

PLATYGRAPHOPSIS Müll. Arg.

interrupta (Fée) Müll. Arg. Syn.: *Platygrapha interrupta*

PLATYSMA Hill

septentrionale Nyl. (Tuckerman 1882) = *Asahinea chrysantha*

PLATYTHECIUM Staiger

colliculosum (Mont.) Hale Syn.: *Graphina colliculosa* (Tripp et al. 2010)
floridanum (Tuck.) Lendemer Syn.: *Graphis floridana*, *Graphina floridana* (Lendemer & Knudsen 2008)
grammitis (Fée) Staiger (Staiger 2002)

PLECTOCARPON Fée

***cladoniae** R. Sant. (Ertz et al. 2005)
***lambinonii** Diederich & Etayo (Ertz et al. 2005)
***lichenum** (Sommerf.) D. Hawksw.
***linitae** (R. Sant.) Wedin & Hafellner Syn.: *Arthonia linitae* (Diederich et al. 2018)

- ***nephromeum** (Norman) Sant. (Goward et al. 1996)
- ***peltigerae** Zhurb., Ertz, Diederich & Miądl. (Ertz et al. 2003)
- ***scrobiculatae** Diederich & Etayo (Ertz et al. 2005)
- ***triebelsiae** Diederich & Ertz (Ertz et al. 2005)
- ***nashii** Hafellner (Hafellner et al. 2002) = *Mixtoconidium nashii* (Diederich et al. 2018)

PLEOPSISIDIUM Körber

- chlorophanum** (Wahlenb.) Zopf Syns.: *Acarospora chlorophana*, *A. erythrophora*, *A. texana*, *A. weldensis*
- flavum** (Bellardi) Körber Syns.: *Acarospora flava*, *A. oxytona oxytonum* (Ach.) Rabenh. = *P. flavum stenosporum* (Stizenb. ex Hasse) K. Knudsen (Knudsen 2011c) = *P. flavum* (Knudsen & Kocourková 2013)

PLEUROTHELIOPSIS Zahlbr. = PYRENULA

- australiensis* (Müll. Arg.) Zahlbr. = *Anthracothecium australiense*
- nana* Zahlbr. = *Anthracothecium australiense*

PLEUROTREMA Müll. Arg. = LITHOTHELIUM

- anacardii* (Vainio) R. C. Harris nom. inval. = *Anisomeridium terminatum*
- inspersum* Müll. Arg. = *Anisomeridium americanum*, not present in North America? (Harris 1995)
- solivagum* Degel. = *Lithothelium hyalospora*

POELTINULA Hafellner

- cerebrina** (DC.) Hafellner

POLYBLASTIA A. Massal.

- albida** Arnold (Thomson 1997)
- amota** Arnold (McCune et al. 2014b)
- bryophila** Lönnr.
- cucurbitula** J. W. Thomson & B. M. Murray
- cupularis** A. Massal. Syn.: *Verrucaria intercedens*
- efflorescens** Coppins (Spribille et al. 2020)
- epigaea** A. Massal.
- exalbida** (Nyl.) Zahlbr. (Dillman et al. 2012)
- fulva** Zahlbr. (Spribille et al. 2020)
- gothica** Th. Fr.
- hyperborea** Th. Fr.
- hyperborea** var. **macrospora** Lyngé
- obsoleta** Arnold
- quartzina** Lyngé (Spribille et al. 2010)
- sendtneri** Kremp.
- septentrionalis** Lyngé
- cruenta* (Körber) P. James & Swinscow = *Sporodictyon cruentum*
- gelatinosa* (Ach.) Th. Fr. = *Agonimia gelatinosa*
- henscheliana* (Körber) Lönnr. (Fink 1935) = *Sporodictyon cruentum* (Vitikainen et al. 1997)
- integrascens* (Nyl.) Vainio = *P. hyperborea*
- intercedens* (Nyl.) Lönnr. = *P. cupularis*
- melaspora* (Taylor) Zahlbr. = *Henrica melaspora* (Savić & Tibell 2008)
- sommerfeltii* Lyngé = *Sporodictyon terrestre*
- terrestris* Th. Fr. = *Sporodictyon terrestre*
- theleodes* (Sommerf.) Th. Fr. = *Henrica theleodes* (Savić & Tibell 2008)
- tristicula* (Nyl.) Arnold = *Agonimia tristicula*

POLYBLASTIOPSIS Zahlbr. = JULELLA

- dealbens* Fink = *Dictyomeridium amylosporum*

+dispora (Müll. Arg.) Zahlbr. = Julella dispora
 +fallaciosa (Stizenb. ex Arnold) Zahlbr. = Julella fallaciosa
 fallax (Nyl.) Fink = Arthopyrenia analepta
 floridana Fink = Porina nuculastrum
 inductula (Nyl.) Fink = Thelenella inductula
 intrusa (Nyl.) Zahlbr. = a Laurera sp., not in North America
 +lactea (A. Massal.) Zahlbr. = Julella lactea
 +quercicola Brodo = Julella fallaciosa
 +rappii Zahlbr. = Julella geminella
 +sublactea (Nyl.) Zahlbr. = Julella sublactaea

POLYCAULIONA Hue (Arup et al. 2013)

ascendens (S. Y. Kondr.) Frödén, Arup, & Søchting Syn.: Xanthoria ascendens
bolacina (Tuck.) Arup, Frödén & Søchting Syn.: Caloplaca bolacina, Placodium bolacinum
brattiae (W. A. Weber) Arup, Frödén & Søchting Syn.: Caloplaca brattiae
candelaria (L.) Frödén, Arup, & Søchting Syn.: Teloschistes candelarius, Teloschistes lychnus
 var. pygmaeus, Xanthoria candelaria
coralloides (Tuck.) Hue Syn.: Caloplaca coralloides, Placodium coralloides
flavogranulosa (Arup) Arup, Frödén & Søchting Syn.: Caloplaca flavogranulosa
igneae (Arup) Arup, Frödén & Søchting Syn.: Caloplaca ignea
impolita (Arup) Arup, Frödén & Søchting Syn.: Caloplaca impolita
inconspecta (Arup) Arup, Frödén & Søchting Syn.: Caloplaca inconspecta
ludificans (Arup) Arup, Frödén & Søchting Syn.: Caloplaca ludificans
luteominia (Tuck.) Arup, Frödén & Søchting var. **luteominia** Syn.: Blastenia luteominia,
 Caloplaca laeta, C. luteominia, Placodium luteominium
luteominia var. **bolanderi** (Tuck.) Arup, Frödén & Søchting Syn.: Caloplaca bolanderi,
 Placodium ferrugineum f. bolanderi
nashii (Nav.-Ros., Gaya & Hladún) Arup, Frödén & Søchting Syn.: Caloplaca nashii
phlogina (Ach.) Arup, Frödén & Søchting Syn.: Caloplaca phlogina
pollinarioides (L. Lindblom & D.M. Wright) Frödén, Arup, & Søchting Syn.: Xanthoria
 pollinarioides
polycarpa (Hoffm.) Frödén, Arup, & Søchting Syn.: Teloschistes polycarpus T. ramulosus,
 Xanthoria polycarpa, X. ramulosa
rosei (Hasse) Arup, Frödén & Søchting Syn.: Caloplaca rosei
stellata (Wetmore & Kärnefelt) Arup, Frödén & Søchting Syn.: Caloplaca stellata
tenax (L. Lindblom) Frödén, Arup, & Søchting Syn.: Xanthoria tenax
tenuiloba (L. Lindblom) Frödén, Arup, & Søchting Syn.: Xanthoria tenuiloba
verruculifera (Vainio) Arup, Frödén & Søchting Syn.: Caloplaca gloriae sensu Aprot, C.
 verruculifera

POLYCHIDIUM (Ach.) Gray

muscicola (Sw.) Gray Syn.: Leptogium muscicola
 albociliatum (Desm.) Zahlbr. = Leptochidium albociliatum
 contortum Henssen = Leptogidium contortum (Muggia et al. 2011)
 dendriscum (Nyl.) Henssen = Leptogidium dendriscum (Muggia et al. 2011)
 intricatulum (Nyl.) Henssen = Dendriscoaulon intricatulum
 rivale (Tuck.) Fink = Scytinium rivale
 umhausense (Auersw.) Henssen = Dendriscoaulon umhausense

POLYCOCCUM Sauter ex Körber

***clauzadei** Nav.-Ros. & Cl. Roux (Hafellner et al. 2002)
 ***deformans** R. Sant. & Brackel (Spribille et al. 2020)
 ***hymeniicola** (Berk. & Broome) Zhurb. (Spribille et al. 2010, Zhurbenko & Dillman 2010)
 ***kernerii** J. Steiner (Hafellner et al. 2002)
 ***laursenii** Zhurb. (Zhurbenko & Alstrup 2004)
 ***microcarpum** Diederich & Etayo (Zhurbenko & Pino-Bodas 2017)

- ***microsticticum** (Leighton ex Mudd) Arnold
- ***minutulum** Kocourková & F. Berger (Diederich 2003)
- ***opulentum** (Th. Fr. & Almq.) Arnold (Hafellner et al. 2002)
- ***peltigeræ** (Fuckel) Vězda (Alstrup 2004)
- ***pulvinatum** (Eitner) R. Sant.
- ***sporastatae** (Anzi) Arnold
- ***squamarioides** (Mudd) Arnold
- ***trypethelioides** (Th. Fr.) R. Sant. (Diederich 2003)
- ***vermicularium** (Lindsay) D. Hawksw. (Esslinger & Egan 1995)
- ***bryontheae** (Arnold) Vězda (Zhurbenko 2009a) = *Didymocyrtis bryontheae* (Ertz et al. 2015a)
- ***epicrassum** (H. Olivier) R. Sant. = *Clypeococcum epicrassum*, but see note there
- ***galligenum** Vězda = *P. pulvinatum*
- ***gelidarium** (Mudd) D. Hawksw. = *Roselliniopsis gelidaria*

POLYDESMIA Boud.

- ***lichenis** Huhtinen & R. Sant. (Spribille et al. 2010)

POLYMERIDIUM (Müll. Arg.) R. C. Harris

- albidum** (Müll. Arg.) R. C. Harris
- albocinereum** (Kremp.) R. C. Harris
- catapastum** (Nyl.) R. C. Harris
- contendens** (Nyl.) R. C. Harris
- quinqueseptatum** (Nyl.) R. C. Harris Syns.: *Arthopyrenia quinqueseptata*, *Pyrenula quinqueseptata*
- subcinereum** (Nyl.) R. C. Harris Syn.: *Porina subcinerea*
- pleiomerellum** (Müll. Arg.) R. C. Harris = *P. albocinereum*
- proponens** (Nyl.) R. C. Harris Syns. = *Dictyomeridium proponens*

POLYPYRENULA D. Hawksw.

- sexlocularis** (Müll. Arg.) D. Hawksw. Syn.: *Polythelis sexlocularis*. The implied occurrence of this species in Florida is questionable. No material seen from North America

POLYSPORINA Vězda (Knudsen et al. 2021a, Westberg et al. 2015)

- arenacea** (H. Magn.) K. Knudsen & Kocourk. = *Acarospora arenacea* (Knudsen & Kocourková 2008a, 2020b)
- arenacea auct. p.p.** = *Sarcogyne paradoxa* (Knudsen & Kocourková 2020b)
- cyclocarpa** (Anzi) Vězda (Knudsen et al. 2011b) = *Sarcogyne cyclocarpa* (Knudsen et al. 2016)
- gyrocarpa** (H. Magn.) N. S. Golubk. = *Acarospora gyrocarpa* (Knudsen et al. 2017)
- ***pusilla** (Anzi) M. Steiner ex Kantvilas (Knudsen & Kocourková 2008a) = *Sarcogyne pusilla*
- lapponica** (Ach. ex Schaerer) Degel. (Spribille et al. 2020) = *Sarcogyne lapponica* (Knudsen & Kocourková 2008a) Name sometimes misapplied to lichenicolous fungus, *Acarospora subfuscescens* (Knudsen et al. 2021b)
- oligospora** (H. Magn.) K. Knudsen (Knudsen & Lendemer 2005a) = *Acarospora gyrocarpa*
- simplex** (Taylor) Vězda = *Acarospora privigna* (Knudsen et al. 2021b)
- ***subfuscescens** (Nyl.) K. Knudsen & Kocourk. = *Acarospora subfuscescens* (Knudsen et al. 2021b)
- urceolata** (Anzi) Brodo = *Sarcogyne urceolata*

POLYTHELIS Clem. = **POLYPYRENULA**

- sexlocularis** (Müll. Arg.) Clem. = *Polypyrenula sexlocularis* (q.v.)

PORINA Müll. Arg.

- amygdalina** Müll. Arg.
- chlorotica** (Ach.) Müll. Arg. (Spribille et al. 2020)
- heterospora** (Fink ex J. Hedrick) R. C. Harris
- leptalea** (Durieu & Mont.) A. L. Sm. (Spribille et al. 2020)

linearis (Leighton) Zahlbr. (Nash 2002) Syns.: *Pseudosagedia linearis*, *Trichothelium lineare*
norrlinii Vainio (Fryday 2010)
nucula Ach.
nuculastrum (Müll. Arg.) R. C. Harris Syns.: *Clathroporina nuculastrum*, *C. confinis*,
Polyblastiopsis floridana (Harris 1995a)
pacifica Brodo (Brodo 2004)
peregrina Tretiach & P. M. McCarthy (Aptroot 2002e)
radicicola P. M. McCarthy & Tønsberg (McCarthy & Tønsberg 1998)
salicina Müll. Arg.
scabrida R. C. Harris (Harris 1995a)
aenea (Wallr.) Zahlbr. = *Pseudosagedia aeneum*
carpineae (Pers. ex Ach.) Zahlbr. = *Pseudosagedia aeneum*
cestrensis (Tuck. ex E. Michener) Müll. Arg. = *Pseudosagedia cestrensis*
chlorotica (Ach.) Müll. Arg. = *Pseudosagedia chlorotica*
cinerea "(Pers.) Zahlbr." = nom. illeg. = *Strigula stigmatella*
faginea (Schaerer) Arnold = *Strigula stigmatella*
guentheri (Flotow) Zahlbr. = *Pseudosagedia guentheri*
hibernica P. James & Swinscow = misidentification for North America (Harris 1995a)
lectissima (Fr.) Zahlbr. = *Segestria lectissima*
leptalea (Durieu & Mont.) A. L. Sm. = *Segestria leptalea*
linearis (Leighton) Zahlbr. = *Pseudosagedia linearis*
mammillosa (Th. Fr.) Vainio = *Segestria mammillosa*
mastoidea (Ach.) Müll. Arg. = misidentification for North America (Harris 1995a)
nitidula Müll. Arg. = *Pseudosagedia nitidulum*
nucula var. heterospora Fink = *Porina heterospora*
olivacea (Pers.) A. L. Sm. = misidentification for North America
plumbaria (Stizenb.) Hasse = *Arthopyrenia plumbaria*
pulla (Ach.) Müll. Arg. = an *Arthopyrenia* sp., not in North America
rhapidosperma Müll. Arg. = *Pseudosagedia rhapidosperma*
subcinerea (Nyl.) Zahlbr. = *Polymeridium subcinereum*
thaxteri R. Sant. = *Pseudosagedia thaxteri*
viridiseda (Nyl.) Zahlbr. = *Strigula viridiseda*

POROCYPHUS Körber

coccodes (Flotow) Körber Syn.: *P. furfurellus*
kenmorensis (Holl ex Nyl.) Henssen
dispersus E. Dahl = *Thelignya lignyota*
furfurellus (Nyl.) Forssell = *P. coccodes*

PORPIDIA Körber

albocaerulescens (Wulfen) Hertel & Knoph Syns.: *Huilia albocaerulescens*, *Lecidea*
albocaerulescens, *L. hebescens*
albocaerulescens (Wulfen) Hertel & Knoph var. **polycarpiza** (Vainio) Rambold & Hertel
(Rambold 1989)
calcareae Gowan
carlottiana Gowan
cinereoatra (Ach.) Hertel & Knoph Syns.: *Huilia cinereoatra*, *Lecidea cinereoatra*
contraponenda (Arnold) Knoph & Hertel
crustulata (Ach.) Hertel & Knoph Syns.: *Huilia crustulata*, *Lecidea crustulata*
degelii (H. Magn.) Lendemer Syn.: *Lecidea degelii* (Lendemer & Harris 2014c)
flavicunda (Ach.) Gowan Syns.: *Huilia flavocaerulescens*, *Lecidea albocaerulescens* var.
flavocaerulescens, *L. flavocaerulescens* (Fryday 2005)
flavocruenta Fryday & Buschbom (Fryday 2005)
grisea Gowan
irrigua Orange (Spribille et al. 2020)
lowiana Gowan

macrocarpa (DC.) Hertel & A. J. Schwab Syns.: *Huilia macrocarpa*, *H. nigrocruenta*, *Lecidea steriza*, *L. macrocarpa*, *L. platycarpa*, *L. phylliscina*, *L. contigua*, *L. soledifera*
melinodes (Körber) Gowan & Ahti Syns.: *Aspicilia melinodes*, *Huilia melinodes*, *Lecidea melinodes*
nigrocruenta (Anzi) Diederich & Sérus (Spribille et al. 2020)
ochrolemma (Vainio) Brodo & R. Sant. Syn.: *Hymenelia ochrolemma*
platycarpoides (Bagl.) Hertel Syn.: *Huilia platycarpoides*
rugosa (Taylor) Coppins & Fryday Syns.: *Huilia glaucophaea*, *Lecidea glaucophaea* (Fryday 2005)
seakensis Fryday (Spribille et al. 2020)
soredizodes (Lamy ex Nyl.) J. R. Laundon Syns.: *Lecidea soredizodes*, *Huilia soredizodes* (Fryday et al. 2007)
speirea (Ach.) Kremp. Syn.: *Lecidea speirea*
striata Fryday (Spribille et al. 2020)
subsimplex (H. Magn.) Fryday (Coppins & Fryday 2006b)
superba (Körber) Hertel & Knoph Syn.: *Huilia superba*
thomsonii Gowan
tuberculosa (Sm.) Hertel & Knoph Syns.: *Huilia tuberculosa*, *Lecidea sorediza*, *L. tumida*
zeoroides (Anzi) Knoph & Hertel Syn.: *Lecidea macrocarpa* var. *trullisata*
diversa (Lowe) Gowan = *P. contraponenda* (Fryday 2005)
flavocaerulescens (Hornem.) Hertel & A. J. Schwab = *P. flavicunda* (Fryday 2005)
glaucophaea (Körber) Hertel & Knoph = *P. rugosa* (Fryday 2005)
herteliana Gowan = *P. cinereoatra* (Fryday 2005)
pseudomelinodes A. J. Schwab = *Porpidia ochrolemma*
tahawasiana Gowan = *P. subsimplex*

PRONECTRIA Clem.

***dillmaniae** Zhurb. (Zhurbenko et al. 2005)
 ***erythrinella** (Nyl.) Lowen Syn.: *Nectriella erythrinella*
 ***oligospora** Lowen & Rogerson
 ***robergei** (Mont. & Desm.) Lowen (Alstrup & Cole 1998)
 ***tibellii** Zhurb. (« tibellae ») (Zhurbenko & Alstrup 2004)
 ***walkerorum** Zhurb. (Zhurbenko et al. 2005)
 ***anisospora** (Lowen) Lowen = *Trichonectria anisospora*
 ***fissuriprodiens** Etayo (Spribille et al. 2010) = *Xenonectriella fissuriprodiens*

PROTOBLASTENIA (Zahlbr.) J. Steiner

calva (Dickson) Zahlbr.
cyclospora (Hepp ex Körber) Poelt (Dillman et al. 2012)
incrustans (DC.) J. Steiner
lilacina Poelt & Vězda (Fryday 2017)
rupestris (Scop.) J. Steiner
siebenhaariana (Körber) J. Steiner (Spribille et al. 2020)
terricola (Anzi) Lyngé
cinnabarina (Sommerf.) Räsänen = *Ramboldia cinnabarina*
monticola (Ach.) J. Steiner = *Clauzadea monticola*
quernea (Dickson) Clauzade = *Pyrrhospora quernea*
rupestris var. *calva* (Dickson) J. Steiner = *P. calva*
russula (Ach.) Räsänen = *Ramboldia russula*
testacea (Hoffm.) Clauzade & Rondon = *Psora testacea*, but not included in the North American flora.

PROTOMICAREA Hafellner (Hafellner & Türk 2001)

alpestris (Sommerf.) McCune Syn. *Lecidea alpestris* (McCune et al. 2018)
limosa (Ach.) Hafellner Syn.: *Lecidea limosa*

PROTOPANNARIA (Gyelnik) P. M. Jørg. & S. Ekman

pezizoides (Weber) P. M. Jørg. & S. Ekman (Jørgensen 2000c) Syns: Pannaria brunnea, P. pezizoides

PROTOPARMELIA M. Choisy

#atriseda (Fr.) R. Sant. & V. Wirth Syn.: Lecanora atriseda

badia (Hoffm.) Hafellner Syn.: Lecanora badia, L. grandis

#cupreobadia (Nyl.) Poelt

hypotremella Herk, Spier & V. Wirth (Brodo & Aptroot 2005)

#leproloma (R. Sant.) Rambold & Poelt (Singh et al. 2015, McCune 2017)

memnonia Hafellner & Türk (McCune 2017)

nephaea (Sommerf.) R. Sant. ex Poelt & Obermayer Syn.: Lecanora nephaea

ochrococca (Nyl.) P. M. Jørg., Rambold & Hertel Syns.: Lecidea ochrococca, Lecanora ochrococca, L. phaeobola

capitata Lendemer (Lendemer & Lumbsch 2008) = Neoprotoparmelia capitata (Singh et al. 2018)

isidiata Diederich, Aptroot & Sérus. (Lendemer & Lumbsch 2008) = Neoprotoparmelia

amerisidiata, for N.A. report

#ryaniana van den Boom, Sipman & Elix (van den Boom et al. 2007) = Miriquidica verrucariicola (Knudsen et al. 2015)

PROTOPARMELIOPSIS M. Choisy

bipruinosa (Fink) S. Y. Kondr. (Kondratyuk et al. 2012) Syn.: Lecanora bipruinosa

crustacea (Savicz) S. Y. Kondr. (Kondratyuk et al. 2012) Syn.: Lecanora crustacea

dispersoareolata (Körber) S. Y. Kondr. (Kondratyuk et al. 2012) Syn.: Lecanora dispersoareolata

garovaglii (Körber) Arup, Zhao Xin & Lumbsch (Zhao et al. 2016) Syns.: Lecanora cascadenis, L. garovaglii, L. nevadensis, L. muralis var. garovaglii

geiserae (B. D. Ryan) S. Y. Kondr. (Kondratyuk et al. 2012) Syn.: Lecanora geiserae

gyrophorica (Lendemer) S. Y. Kondr. (Kondratyuk et al. 2013) Syn.: Lecanora gyrophorica

kofae (B. D. Ryan & T. H. Nash) (Kondratyuk et al. 2012) Syn.: Lecanora kofae

laatokkaensis (Räsänen) Moberg & R. Sant. Syn.: Lecanora laatokkaensis

mazatzalensis (B. D. Ryan & T. H. Nash) S. Y. Kondr. (Kondratyuk et al. 2013) Syn.: Lecanora mazatzalensis

muralis (Schreber) M. Choisy (Zhao et al. 2016) Syns.: Lecanora diffracta, L. muralis, L. muralis var. diffracta, L. muralis var. saxicola, L. saxicola, L. versicolor

peltata (Ramond) Arup, Zhao Xin & Lumbsch (Zhao et al. 2016) Syns.: Rhizoplaca peltata, Lecanora peltata

pinguis (Tuck.) S. Y. Kondr. (Kondratyuk et al. 2013) Syn.: Lecanora pinguis

PROTOTHELENELLA Räsänen

corrosa (Körber) H. Mayrhofer & Poelt Syns.: Microglaena corrosa, Thelenella humilis

***crocea** (Bagl. & Carestia) Haffelner & H. Mayrhofer (Spribille et al. 2010)

leucothelia (Nyl.) H. Mayrhofer & Poelt (Goward et al. 1996)

pluriseptata Fryday (Fryday 2004a) Syn.: Gongylia muscorum

***santessonii** H. Mayrhofer

sphinctrinoidella (Nyl.) H. Mayrhofer & Poelt (Mayrhofer 1987)

sphinctrinoides (Nyl.) H. Mayrhofer & Poelt Syns.: Microglaena sphinctrinoides, Verrucaria pernigrata

PROTOUNGUICULARIA Raitv. & R. Galán

***fasciculata** (Etayo) Etayo Syn.: Unguiculariopsis fasciculata (Diederich et al. 2018)

***nephromatis** (Zhub. & Zavarzin) Huhtinen, D. Hawksw. & Ihlen (Huhtinen et al. 2008) Syn.: Unguiculariopsis nephromatis

***transiens** (Höhn.) Huhtinen (Huhtinen et al. 2008)

PSEUDEPHEBE M. Choisy

minuscula (Nyl. ex Arnold) Brodo & D. Hawksw. Syn.: Alectoria minuscula

pubescens (L.) M. Choisy Syns.: *Alectoria pubescens*, *Ephebe pubescens*, *Parmelia lanata*
(According to a molecular study by Boluda et al. (2016), *P. pubescens* has not been confirmed for North America)

PSEUDEVERNIA Zopf

cladonia (Tuck.) Hale & W. L. Culb. Syns.: *Evernia furfuracea* var. *cladonia*, *Parmelia cladonia*
consocians (Vainio) Hale & W. L. Culb.
intensa (Nyl.) Hale & W. L. Culb.
furfuracea (L.) Zopf = misidentification for North America; records are either *P. consocians* or *P. intensa*

PSEUDOCYPHELLARIA Vainio

citrina (Gyeln.) Lücking, Moncada & S. Stenroos (Lücking et al. 2017a)
deyi Lücking (Lücking et al. 2017a)
epiflavoides (Gyeln.) Lücking, Farkas & Lökös (Lücking et al. 2017a)
hawaiiensis H. Magn. (Moncada et al. 2014)
holarctica McCune, Lücking & Moncada (Lücking et al. 2017a)
mallota (Tuck.) H. Magn. (Tønberg 1999b) Syn.: *Sticta crocata* var. *mallota*
punctata Lücking & Moncada (Lücking et al. 2017a)
rainierensis Imshaug
anomala Brodo & Ahti = *Lobaria anomala* (McCune et al. 2014b)
anthraspis (Ach.) H. Magn. = *Lobaria anthraspis* (McCune et al. 2014b)
aurata (Ach.) Vainio = *Crocodia aurata* (Galloway & Elix 2013)
crocata (L.) Vainio Misidentifications for North America (Lücking et al. 2017a)
mougeotiana (Delise) Vainio = *P. crocata*, but misidentifications for North America
perpetua McCune & Miądl. (Miądlowska et al. 2002) = *P. hawaiiensis* (Moncada et al. 2014)

PSEUDOPARMELIA Lyngby (Elix & Nash 1997)

cubensis (Nyl.) Elix & T. H. Nash (Elix & Nash 1997) Syn.: *Parmelia leucochlora* Tuck. non (Mont.) Mont.
floridense Elix & T. H. Nash (Elix & Nash 1997)
uleana (Müll. Arg.) Elix & T. H. Nash (Elix & Nash 1997) Syns.: *Parmelia uleana*, *Parmelia endoxantha*, *Parmelia congruens* auct., *Parmelia sphaerospora* auct.
alabamensis (Hale & McCull.) Hale = *Canoparmelia alabamensis*
amazonica (Nyl.) Hale = *Parmelinella amazonica*
baltimorensis (Gyelnik & Főriss) Hale = *Flavoparmelia baltimorensis*
caperata (L.) Hale = *Flavoparmelia caperata*
caroliniana (Nyl.) Hale = *Canoparmelia caroliniana*
crozalsiana (B. de Lesd.) Hale = *Canoparmelia crozalsiana*
cryptochlorophaea (Hale) Hale = *Canoparmelia cryptochlorophaea*
martinicana (Nyl.) Hale = *Canoparmelia martinicana*
rutidota (Hooker f. & Taylor) Hale = *Flavoparmelia rutidota*
salacinifera (Hale) Hale = *Canoparmelia salacinifera*
sphaerospora (Nyl.) Hale (North American records) = *Pseudoparmelia uleana*
texana (Tuck.) Hale = *Canoparmelia texana*

PSEUDOPYRENIDIUM Nav.-Ros., Zhurb. & Cl. Roux

***tartaricola** (Lindsay) Nav.-Ros., Zhurb. & Cl. Roux (Zhurbenko 2013)

PSEUDOPYRENULA Müll. Arg.

diluta (Fée) Müll. Arg. var. **degenerans** Vainio (Harris 1998)
staphyleae (Petr.) Aptroot Syn.: *Massarina staphyleae* (Aptroot et al. 2016)
subgregaria Müll. Arg. (Lücking et al. 2011b)
subnudata Müll. Arg. (Lücking et al. 2011b)
pupula (Ach.) Müll. Arg. = *Trypethelium floridanum* for North American records

PSEUDOSAGEDIA (Müll. Arg.) M. Choisy (Harris 2005)

- aenea** (Wallr.) Hafellner & Kalb Syns.: *Trichothelium aeneum*, *Porina aenea*, *P. carpineae*
cestrensis (Tuck. ex E. Michener) R. C. Harris Syns.: *Porina cestrensis*, *Trichothelium cestrense*,
Verrucaria cestrensis
chlorotica (Ach.) Hafellner & Kalb Syns.: *Porina chlorotica*, *Trichothelium chloroticum*
crocynoides (R. C. Harris) R. C. Harris Syn.: *Trichothelium crocynoides*
guentheri (Flotow) Hafellner & Kalb Syns.: *Porina guentheri*, *Trichothelium guentheri*
isidiata (R. C. Harris) R. C. Harris Syn.: *Trichothelium isidiatum*
nitidula (Müll. Arg.) Hafellner & Kalb Syns.: *Porina nitidula*, *Trichothelium nitidulum*
rhaphidosperma (Müll. Arg.) R. C. Harris Syns.: *Porina rhaphidosperma*, *Trichothelium*
rhaphidospermum
thaxteri (R. Sant.) Hafellner & Kalb Syns.: *Porina thaxteri*, *Trichothelium thaxteri*
linearis (Leighton) Hafellner & Kalb = *Porina linearis*

PSEUDOSCHISMATOMMA Ertz & Tehler (Ertz et al. 2015b)

- rufescens** (Pers.) Ertz & Tehler Syn.: *Opegrapha rufescens*

PSEUDOTHELOMMA M. Prieto & Wedin (Prieto & Wedin 2017)

- ocellatum** (Körber) M. Prieto & Wedin Syns.: *Acolium ocellatum*, *Thelomma ocellatum*
occidentale (Herre) M. Prieto & Wedin Syn.: *Cyphelium occidentale*, North American records of
Cyphelium caliciforme probably belong here.

PSILOLECHIA A. Massal.

- clavulifera** (Nyl.) Coppins Syn.: *Lecidea adirondackii*
lucida (Ach.) M. Choisy Syns.: *Biatora lucida*, *Lecidea lucida*

PSORA Hoffm.

- brunneocarpa** Timdal (Timdal 2002a)
californica Timdal
cerebriformis W. A. Weber
crenata (Taylor) Reinke Syns.: *Biatora crenata*, *Lecanora chonion*, *Lecidea crenata*, *L.*
coroniformis
decepiens (Hedwig) Hoffm. Syns.: *Biatora decepiens*, *Lecidea decepiens*
elenkinii Rass. (Zhurbenko 2009a)
globifera (Ach.) A. Massal. Syns.: *Biatora globifera*, *Lecidea globifera*
himalayana (Church. Bab.) Timdal
hyporubescens Timdal (Timdal 2002a)
icterica (Mont.) Müll. Arg. Syns.: *Biatora icterica*, *Lecidea icterica*
luridella (Tuck.) Fink Syns.: *Biatora luridella*, *Lecidea luridella*
montana Timdal
nipponica (Zahlbr.) Gotth. Schneider Syn.: *Lecidea novomexicana*
pacifica Timdal
peninsularis Timdal (Timdal 2002a)
pruinosa Timdal (Timdal 2002a)
pseudorussellii Timdal
rubiformis (Ach.) Hooker Syns.: *Biatora globifera* var. *rubiformis*, *Lecidea rubiformis*
russellii (Tuck.) A. Schneider Syns.: *Lecidea russellii*, *Biatora russellii*
tenuifolia Timdal
tuckermanii R. A. Anderson ex Timdal
vallesiaca (Schaerer) Timdal
anthracophila (Nyl.) Arnold = *Carbonicola anthracophila*
demissa (Rutstr.) Hepp = *Lecidoma demissum*
friesii (Ach.) Hellbom = *Xylopsora friesii*
lurida (Ach.) DC. = *Romjularia lurida*
novomexicana B. de Lesd. = *P. nipponica*
ostreata Hoffm. = *Hypocenomyce scalaris*
petri (Tuck.) Fink = *Romjularia lurida*

pulcherrima (Vainio) Elenkin = *Anamylopsora pulcherrima*
rufonigra (Tuck.) A. Schneider = *Psorula rufonigra*
scalaris (Ach. ex Lilj.) Hooker = *Hypocenomyce scalaris*
scholanderi (Lynge) R. A. Anderson = *Kiliasia tristis*
scotopholis (Tuck.) Fink (Fink 1935) = *Miriquidica scotopholis*
testacea (Hoffm.) Ach. = *Psora testacea*, but not included in the North American flora.
texana W. A. Weber = *Xanthosorella texana*

PSORINIA Gotth. Schneider

conglomerata (Ach.) Gotth. Schneider Syn.: *Toninia conglomerata*

PSOROGLAENA Müll. Arg.

biatorella (Arnold) Lücking & Sérus. Syn.: *Leucocarpia biatorella* (Lücking 2008)

costaricensis Henssen (Lücking et al. 2011b)

cubensis Müll. Arg. var. **cubensis**

cubensis var. **teretiloba** O. Eriksson

dictyospora (Orange) H. Harada (Harada 2003) Syns.: *Leucocarpia dictyospora*, *Macentina dictyospora*

stigonemoides (Orange) Henssen (Björk et al. 2009)

PSOROMA Michaux

cinnamomeum Malme (Jørgensen 2000c)

hypnorum (Vahl) Gray Syn.: *Pannaria hypnorum*

nivale Fryday, Elvebakk, F. L. Anderson & J. Gagnon (Fryday et al. 2019)

paleaceum (Fr.) Timdal & Tønsberg

spinuliferum Elvebakk & Tønsberg (Elvebakk & Tønsberg 2018)

tenue Henssen var. **boreale** Henssen

hirsutulum Nyl. (Jørgensen 2005) = *P. paleaceum* (Timdal & Tønsberg 2006)

palmulata Michaux (Tuckerman 1882) = *Anaptychia palmulata*

PSOROTICHIA A. Massal.

hassei Fink ex J. Hedrick

minuta H. Magn.

montinii (A. Massal.) Forssell (Schultz 2007c)

murorum A. Massal. (Schultz 2007c)

nigra H. Magn.

schaereri (A. Massal.) Arnold Syn.: *Pyrenopsis schaeferi*

taurica (Nyl.) Vainio (Schultz 2007c)

vermiculata (Nyl.) Forssell (Knudsen et al. 2017)

numidella (Nyl.) Forssell var. **flageyana** J. Steiner Erroneously listed here; reported only from Mexico (Schulz 2007c)

segregata (Nyl. ex Hasse) Hasse = *Lempholemma chalazanum*

squamulosa Zahlbr. = *Gloeoheppia squamulosa*

PSORULA Gotth. Schneider

#**rufonigra** (Tuck.) Gotth. Schneider Syns.: *Biatora rufonigra*, *Lecidea rufonigra*, *L. brouardii*, *Psora rufonigra*

scotopholis (Tuck.) Gotth. Schneider = *Miriquidica scotopholis*

PTERYGIOPSIS Vainio

atra Vainio

canariensis Henssen (Schultz 2006)

cava M. Schultz (Schultz 2006)

neglecta (Erichsen) M. Schultz & Thüs ined. Syn.: *Forsellia neglecta* (Lewis 2014)

PTERYGIUM Nyl.

petersii Nyl. (Fink 1935) = *Placynthium petersii*

PTYCHOGRAPHIA Nyl. (McCune 1997b)

xylographoides Nyl. (McCune 1997b)

PULVINORA Davydov, Yakovczenko & Printzen (Davydov et al. 2021)

pringlei (Tuck.) Davydov, Yakovczenko, Hollinger, Bungartz & Printzen (Davydov et al. 2021)
Syns.: *Lecanora pringlei*, *Lecidea pringlei*

PUNCTELIA Krog

appalachensis (W. L. Culb.) Krog Syn.: *Parmelia appalachensis*

bolliana (Müll. Arg.) Krog Syns.: *Parmelia bolliana*, *P. frondifera*

borreri (Sm.) Krog Syns.: *Parmelia borreri*, *P. pseudoborreri*

caseana Lendemer & Hodkinson (Lendemer & Hodkinson 2010)

eganii Hodkinson & Lendemer (Hodkinson & Lendemer 2011)

graminicola (B. de Lesd.) Egan Syns.: *Parmelia graminicola*, *P. semansiana* (Egan 2003)

hypoleucites (Nyl.) Krog Syn.: *Parmelia hypoleucites*

jeckeri (Roum.) Kalb (Lendemer & Hodkinson 2010)

missouriensis G. Wilh. & Ladd (Adler 1997, van Herk & Aptroot 2000, Aptroot 2003)

nashii Marcelli & Canêz (Marcelli et al. 2011)

perreticulata (Räsänen) G. Wilh. & Ladd Syn.: *Parmelia perreticulata*

punctilla (Hale) Krog

reddenda (Stirton) Krog Syn.: *Parmelia reddenda*

rudecta (Ach.) Krog Syn.: *Parmelia rudecta*, *P. borreri* var. *rudecta*

stictica (Duby) Krog Syn.: *Parmelia stictica*

subpraesignis (Nyl.) Krog Syn.: *Parmelia subpraesignis*

darrowi (J. W. Thomson) Krog = *Flavopunctelia darrowi*

flaventior (Stirton) Krog = *Flavopunctelia flaventior*

praesignis (Nyl.) Krog = *Flavopunctelia praesignis*

semansiana (W. L. Culb. & C. F. Culb.) Krog = *P. graminicola*

soredica (Nyl.) Krog = *Flavopunctelia soredica*

subrudecta (Nyl.) Krog = misidentification for North America (Lendemer & Hodkinson 2010)

ulophylla (Ach.) van Herk & Aptroot (Tucker et al. 2006) = *P. jeckeri* (Lendemer & Hodkinson 2010)

PUTTEA S. Stenroos & Huhtinen

caesia (Fr.) M. Svensson & T. Sprib. (Dillman et al. 2012) Syn.: *Lecidea symmictella*

exsequens (Nyl.) Printzen & Davydov (Buck & Lendemer 2012)

margaritella (Hulting) S. Stenroos & Huhtinen (Spribille et al. 2010)

PYCNORA Hafellner (Hafellner & Türk 2001)

praestabilis (Nyl.) Hafellner Syn.: *Hypocenomyce praestabilis*

sorophora (Vainio) Hafellner Syn.: *Hypocenomyce sorophora*

xanthococca (Sommerf.) Hafellner Syns.: *Hypocenomyce xanthococca*, *Lecidea xanthococca*

leucococca (R. Sant.) R. Sant. (Santesson et al. 2004) = *Toensbergia leucococca*

PYCNOTHELIA Dufour

papillaria Dufour Syns.: *Cladonia heteromorpha*, *C. papillaria*

cladinoidea Nyl. = *Cladonia caroliniana* (Ahti & Brodo 1981)

PYCNOTREMA Rivas Plata & Lücking

pyncnoporellum (Nyl.) Rivas Plata & Lücking Syn.: *Myriotrema pyncnoporellum* (Lücking et al. 2016)

PYRENASTRUM Eschw. = PYRENULA

astroideum (Fée) Eschw. = *Pyrenula astroideum*
cubanum Müll. Arg. = *Pyrenula cubana*
fuscum Mont. = *Pyrenula septicollaris*
pyrenastraeum (Nyl.) Zahlbr. = *Pyrenula septicollaris*
ravenelii Tuck. (Tuckerman 1888) = *Pyrenula ravenelii*

PYRENIDIUM Nyl.

**actinellum* Nyl.
**aggregatum* K. Knudsen & Kocourk. (Knudsen & Kocourková 2010g)
**hyalosporum* Alstrup, D. Hawksw. & R. Sant. = *Zwackhiomacromyces hyalosporus* (Diederich et al. 2018)
**octosporum* Looman = *Thelenella muscorum* var. *octospora*

PYRENOCARPON Trevisan

thelostomum (Ach. ex J. Harriman) Coppins & Aptroot (Dillman et al. 2012)

PYRENOCOLLEMA Reinke

atlanticum (Vainio) R. C. Harris (Harris 1995a)
caesium (Nyl.) R. C. Harris
prospersellum (Nyl.) R. C. Harris Syn.: *Arthopyrenia prospersella*
tichothecioides (Arnold) R. C. Harris Syn.: *Arthopyrenia tichothecioides*
elegans R. Sant. = *Collemopsidium elegans*
halodytes (Nyl.) R. C. Harris = *Collemopsidium halodytes*
strontianense (Swinscow) R. C. Harris = *Collemopsidium angermannicum*
sublitorale (Leighton) R. C. Harris ex Fletcher = *Collemopsidium sublitorale*

PYRENODESMIA A. Massal. (Arup et al. 2013)

variabilis (Pers.) A. Massal. Syn.: *Caloplaca variabilis*, *Placodium variabile*
albovariegata B. de Lesd. = *Caloplaca albovariegata*
elaedodes E. D. Rudolph = *Caloplaca pellodella*
montana B. de Lesd. = a *Caloplaca* sp.

PYRENOPSISIDIUM (Nyl.) Forssell = CRYPTOTHELE

granuliforme (Nyl.) Forssell = *Cryptothele granuliformis*
homoeopsis (Nyl.) Forssell = *Pyrenopsis furfurea*
iivarensis (Vainio) Forssell (Thomson 1997) = *Pyrenopsis furfurea* (Henssen & Jørgensen 1990; Santesson 1993)

PYRENOPSIS (Nyl.) Nyl.

compacta Willey
furfurea (Nyl.) Th. Fr. Syn.: *Pyrenopsidium homoeopsis*, *P. iivarensis*
fuscoatra Fink
grumulifera Nyl.
haemalella (Nyl.) Blomb. & Forssell
haematina P. M. Jörg. & Henssen (Spribille et al. 2010)
lecideella Fink ex J. Hedrick
phaeococca Tuck.
polycocca (Nyl.) Tuck.
portoricensis Zahlbr. (fide Perlmutter, see appendix)
reducta Th. Fr. (Hutten et al. 2013)
sanguinea Anzi
subareolata Nyl. (Schultz 2009)
subfuliginea Nyl.
tasmanica Nyl.
triptococca Nyl. (Schultz 2007d)

viridirufa Tuck.

corallina Willey in Tuck. (Tuckerman 1882) Identity uncertain
granatina (Sommerf.) Nyl. = *Euopsis granatina*
granuliformis (Nyl.) Th. Fr. = *Cryptothele granuliforme*
homoeopsis Nyl. = *P. furfurea*
melambola (Tuck.) Tuck. = *Metamelanea melambola*
"multispora E. Dahl" Report probably refers to *P. myriospora* E. Dahl = *P. grumulifera*
myriospora E. Dahl = *P. grumulifera*
phylliscina (Tuck.) Tuck. = *Cryptothele permiscens*
pulvinata (Schaerer) Th. Fr. = *Euopsis pulvinata*
schaereri A. Massal. = *Psorotichia schaeeri*

PYRENOTHAMNIA Tuck. = **ENDOCARPON**

brandegei (Tuck.) Zahlbr. = [Staurothele pulvinata](#)
spraguei Tuck. = [Staurothele pulvinata](#)

PYRENOTHRIX Riddle

nigra Riddle Syn.: *Lichenothrix riddlei*

PYRENOTRICHUM Mont.

splitgerberi Mont. = *campylidia* of lichens

PYRENULA A. Massal.

acutalis R. C. Harris
acutispora Kalb & Hafellner (Aptroot 1996)
adacta Fée (Aptroot 2012)
anomala (Ach.) Vainio Syn.: *Melanotheca anomala*, *M. achariana*
aspistea (Ach.) Ach.
astroidea (Fée) R. C. Harris Syn.: *Parmentaria astroidea*
atrolaminata R. C. Harris (Aptroot 1996)
bahiana Malme (Aptroot 2012)
balia (Kremp.) R. C. Harris (Aptroot 2012)
breutelii (Müll. Arg.) Aptroot (Aptroot 2012) Syn.: *Anthracotheceum maculare*
brunnea Fée (Lücking et al. 2011b)
caryae R. C. Harris (Aptroot 1996)
cerina Eschw.
chlorospila (Nyl.) Arnold (Aptroot 2012)
circumfiniens Vainio (Aptroot 2012) Syn.: *Parathelium subferrugineum*
clavatispora Common & Aptroot (Aptroot & Common 2017)
cocoes Müll. Arg.
confinis (Nyl.) R. C. Harris (Lücking et al. 2011b)
confoederata R. C. Harris
cruenta (Mont.) Vainio Syn.: *Melanotheca cruenta*, *M. subinruenta*, *Trypethelium cruentum*
cruentata (Müll. Arg.) R. C. Harris Syn.: *Bottaria cruentata*
cubana (Müll. Arg.) R. C. Harris Syn.: *Pyrenastrum cubanum*
cuyabensis (Malme) R. C. Harris Syn.: *Parathelium cuyabense*
dermatodes (Borrer) Schaerer (Lücking et al. 2011b)
dissimulans (Müll. Arg.) R. C. Harris (Seavey & Seavey 2014a)
duplicans (Nyl.) Aptroot (Lücking et al. 2011b)
erumpens R. C. Harris Syn.: *Parathelium emergens*
fetivica (Kremp.) Müll. Arg. (Aptroot 2012)
globifera (Eschw.) Aptroot (Lücking et al. 2011b)
laetior Müll. Arg. (Harris 1995a)
laevigata (Pers.) Arnold
leucostoma Ach. Syn.: *Anthracotheceum leucostomum*, *Parmentaria rappii*
macounii R. C. Harris

mamillana (Ach.) Trevisan (fide R. Harris)
micheneri R. C. Harris
microcarpa Müll. Arg.
microtheca R. C. Harris Syn.: Parathelium microcarpum
minor Fée (Seavey & Seavey 2014a)
nitidula (Bres.) R. C. Harris (Harris 1995a)
novemseptata Vainio (Aptroot 2012) Syn.: Anthracothecium varians
occidentalis (R. C. Harris) R. C. Harris
ochraceoflava (Nyl.) R. C. Harris Syn.: Anthracothecium ochraceoflavum
ochraceoflavens (Nyl.) R. C. Harris Syn.: Anthracothecium ochraceoflavens
oleosa R. C. Harris
parvinuea (Meyen & Flotow) Aptroot (Seavey & Seavey 2014a)
papillifera (Nyl.) Aptroot (Aptroot 2012)
pleiomera (Nyl.) Zahlbr. (Seavey & Seavey 2014a)
pseudobufonia (Rehm) R. C. Harris
punctella (Nyl.) Trevisan
pyrenuloides (Mont.) R. C. Harris Syn.: Anthracothecium pyrenuloides
quassiicola Fée
ravenelii (Tuck.) R. C. Harris Syn.: Parmentaria ravenelii, Pyrenastrum ravenelii
rubrostoma R. C. Harris
schiffneri (Zahlbr.) Aptroot (Aptroot 2012) Syn. Anthracothecium falsarium
septicollaris (Eschw.) R. C. Harris Syn.: Pyrenastrum fuscum, P. pyrenastraeum
sexlocularis (Nyl.) Müll. Arg. (Lücking et al. 2011b)
subelliptica (Tuck.) R. C. Harris
subgregantula Müll. Arg. (Aptroot 2012)
tenuisepta R. C. Harris
thelomorpha Tuck. Syn.: Anthracothecium thelomorphum
wetmorei R. C. Harris
wheeleri R. C. Harris
 aggregata (Fée) Fée (Mohr 1901) = misidentification for North America
 aquila R. C. Harris = P. aspistea (Aptroot 2012)
 caraibica Aptroot & Etayo (Etayo & Aptroot 2003) = Pyrenula adacta (Aptroot 2012)
 cerasi (Schrader) Hepp = Arthopyrenula cerasi
 cinchonae (Ach.) Tuck. (Mohr 1901) = Constrictolumina cinchonae
 cinerea Zahlbr. = P. microcarpa
 cinerella (Nyl.) Branth & Rostrup (Claassen 1912) = Microthelia micula
 citrififormis R. C. Harris = P. fetivica (Aptroot 2012)
 clandestina Ach. (Fink 1935) Typographic error for Pyrenula clandestina Ach. = Ocellularia
 clandestine (Ach.) Müll. Arg., an apparent misidentification for N. America
 concatervans (Nyl.) R. C. Harris = P. sexlocularis (Aptroot 2012)
 corticata (Müll. Arg.) R. C. Harris = P. confinis (Aptroot 2012)
 falsaria (Zahlbr.) R. C. Harris = P. schiffneri (Aptroot 2012)
 farrea auct. = Eopyrenula leucoplaca, but a misidentification for North America
 fulvella R. C. Harris = P. subgregantula
 glabrata (Ach.) A. Massal. = P. laevigata
 herrei Fink = Arthopyrenia plumbaria
 imperfecta (Ellis & Everh.) R. C. Harris = P. subelliptica
 leucoplaca (Wallr.) Körber = Eopyrenula leucoplaca, but a misidentification for North America
 leucoplaca var. pluriloculata Fink = Eopyrenula intermedia
 lucifera R. C. Harris = Pyrenula dermatodes (Aptroot 2012)
 macularis (Zahlbr.) R. C. Harris = P. breutelii (Aptroot 2012)
 maculata (R. C. Harris) R. C. Harris = P. chlorospila (Aptroot 2012)
 mamillana (Ach.) Trevisan = misidentification for North America
 marginata Hooker = P. mamillana
 martinicana (Vainio) R. C. Harris = P. adacta
 megalospora Fink = Acrocordia megalospora

mucosa (Vainio) R. C. Harris (Harris 1995a) = *P. papillifera* (Aptroot 2012)
neglecta R. C. Harris = *P. pseudobufonia*
nitida (Weigel) Ach. = misidentification for North America
nitidella (Flörke ex Schaerer) Müll. Arg. var. *maculata* R. C. Harris = *P. chlorospila* (Aptroot 2012)
pachycheila Tuck. (Tuckerman 1872) = *Anthracothecium pachycheilum*
personata (Malme) R. C. Harris = *P. subgregantula* (Aptroot 2012)
pinguis (Sprengel) Fée = misidentification for North America
plittii R. C. Harris = *P. nitidula* (Aptroot 2012)
pulicina Nyl. (Fink 1935) Not located in any available source (Esslinger & Tucker 2009)
quinqueseptata (Nyl.) Tuck. (Tuckerman 1872) = *Polymeridium quinqueseptatum*
reebiae Aptroot & Gueidan (Gueidan et al. 2016) = *P. leucostoma* (Lendemer & Harris 2016)
santensis (Nyl.) Müll. Arg. = *P. balia* (Aptroot 2012)
subaggregata Müll. Arg. Not in North America
subferruginea (Malme) R. C. Harris = *P. circumfiniens* (Aptroot 2012)
subprostans (Nyl.) Tuck. (Tuckerman 1872) = *Anisomeridium subprostans*
texana Tuck. ex R. C. Harris = *P. microcarpa*
tropica (Ach.) Trevisan = *Nigrovothelium tropicum*
xyloides (Eschw.) Müll. Arg. = *P. mamillana*

PYRENULELLA Fink = PHAEOSPORA

**endococcoidea* (Nyl.) Fink = *Phaeospora rimosicola*

PYRGILLUS Nyl.

javanicus (Mont. & Bosch) Nyl.
americanus Nyl. = *P. javanicus*

PYRRHOSPORA Körber

quernea (Dickson) Körber Syn.: *Biatora quernea*, *Lecidea quernea*, *Protoblastenia quernea*
cinnabarina (Sommerf.) M. Choisy = *Ramboldia cinnabarina*
elabens (Fr.) Hafellner = *Ramboldia elabens*
gowardiana T. Sprib. & Hauck (Spribille & Hauck 2003) = *Ramboldia gowardiana*
russula (Ach.) Hafellner = *Ramboldia russula*
subcinnabarina (Tønsberg) Hafellner = *Ramboldia subcinnabarina*
varians (Ach.) R. C. Harris = *Lecidea varians*

PYXINE Fr.

albovirens (G. Meyer) Aptroot
berteriana (Fée) Imshaug Syn.: *Physcia meissneri*
caesiopruinosa (Nyl.) Imshaug (Amtoft 2002)
cocoes (Sw.) Nyl. Syn.: *Physcia cocoes*
coralligera Malme
eschweileri (Tuck.) Vainio
meissneriana Nyl. (Nash et al. 1998)
petricola Nyl.
retirugella Nyl.
sorediata (Ach.) Mont. Syn.: *Physcia sorediata*
subcinerea Stirton (Amtoft 2002)
chrysanthoides Vainio = *P. subcinerea*
cocoes (Sw.) Nyl. var. *meissneri* (Tuck.) Tuck. (Tuckerman 1882) = *Pyxine berteriana*
cocoes var. *sorediata* Ach. (Tuckerman 1882) = *Pyxine sorediata*
daedalea Krog & R. Sant. = misidentification for North America
frostii Tuck. = *Dirinaria frostii*
meissneri Tuck. = *P. berteriana*
picta (Sw.) Tuck. = *Dirinaria picta*
picta var. *erythrocardia* Tuck. (Tuckerman 1882) = *Dirinaria picta*

pringlei Imshaug = *P. petricola*
sorediata f. eschweileri Tuck. (Tuckerman 1882) = *P. eschweileri*

RACIBORSKIOMYCES Siemaszko (Diederich 2003)

**peltigericola* (D. Hawksw.) M. E. Barr = *Niesslia peltigericola* (Gams et al. 2019)

RACODIUM Pers. : Fr.

rupestre Pers. Syn.: *Coenogonium rupestris*

RAESAENENIA D. Hawksw., Boluda & H. Lindgr.

***huuskonenii** (Räsänen) D. Hawksw., Boluda & H. Lindgr. Syn.: *Phacopsis huuskonenii*
(Divakar et al. 2015)

RAMALINA Ach.

ahtii Kashiw. & T. H. Nash

almquistii Vainio Syn.: *Fistulariella almquistii*

americana Hale Earlier North American reports of *R. fastigiata* belong here.

baltica Lettau

bistorta Nyl.

calicaris (L.) Fr.

canariensis J. Steiner

celastris (Sprengel) Krog & Swinscow

complanata (Sw.) Ach.

culbersoniorum LaGreca (LaGreca 1999)

dasypoga Tuck.

dendriscoides Nyl.

denticulata Nyl.

dilacerata (Hoffm.) Hoffm. Syn.: *Fistulariella minuscula*

farinacea (L.) Ach.

fastigiata (Pers.) Ach. Earlier reports of this species from North America refer to *R. americana*

fraxinea (L.) Ach.

geniculata Hooker f. & Taylor Syn.: *Fistulariella geniculata*

inflata (Hooker f. & Taylor) Hooker f. & Taylor subsp. **inflata** Syn.: *Fistulariella inflata*

intermedia (Delise ex Nyl.) Nyl.

labiosorediata Gasparyan, Sipman & Lücking (Gasparyan et al. 2017)

lacera (With.) J. R. Laundon

leptocarpha Tuck.

leptosperma Nyl. (Seavey & Seavey 2014a)

linearis (Sw.) Ach.

menziesii Taylor

montagnei De Not.

obtusata (Arnold) Bitter

paludosa B. J. Moore

peruviana Ach. Syn.: *Desmazieria peruviana*

petrina Bowler & Rundel

polymorpha (Lilj.) Ach.

puberulenta Riefner & Bowler

ramificans F. Seavey & J. Seavey (Seavey et al. 2017)

rigida Pers. ex Ach.

roesleri (Hochst. ex Schaerer) Hue Syn.: *Fistulariella roesleri*

sarahae K. Knudsen, Lendemer & Kocourk. (Knudsen et al. 2018b)

scoparia Vainio Syn.: *Fistulariella scoparia*

sinensis Jatta

sonorensis Kashiw. & T. H. Nash (Kashiwadani & Nash 2004)

sorediantha Nyl.

stenospora Müll. Arg.

subleptocarpha Rundel & Bowler
subpellucida Müll. Arg.
tenuis (Tuck.) G. Merr.
thrausta (Ach.) Nyl. Syn.: *Alectoria thrausta*
unifolia J. W. Thomson
usnea (L.) R. Howe
willeyi R. Howe
 canaliculata (Fr.) Herre (Fink 1935) = *Ramalina calicaris* (Nimis & Martellos 2003)
 cephalota Tuck. = *Niebla cephalota*
 ceruchis (Ach.) De Not. = *Niebla ceruchis*
 cochlearis Zahlbr. = misidentification for North America
 combeoides Nyl. = *Niebla combeoides*
 crinita Tuck. = *Trichoramalina crinita*
 cuspidata (Ach.) Nyl. (Fink 1935) = misidentification for North America
 duriaei (De Not.) Bagl. = *R. lacera*
 ecklonii auct. = *R. celastri*
 ecklonii (Sprengel) G. Meyer & Flotow Not known from North America.
 evernioides Nyl. = *R. lacera*
 flaccescens Nyl. = *Niebla flaccescens*
 homalea Ach. = *Niebla homalea*
 hypoprotocetrarica W. L. Culb. = *R. farinacea laevigata* Fr. = *R. celastri*
 menziesii Tuck. non Taylor = *R. leptocarpha*
 minuscula (Nyl.) Nyl. = *R. dilacerata*
 pollinaria (Westr.) Ach. North American records apparently *R. labiosorediata*
 pollinariella Nyl. = *R. roesleri*
 populina (Hoffm.) Vainio = *R. fastigiata*
 pusilla Le Prévost var. *geniculata* (Hook. f. & Taylor) Tuck. (Tuckerman 1882) = *Ramalina inflata*
 subsp. *inflata*
 reagens (B. de Lesd.) W. L. Culb. = *R. farinacea*
 reticulata (Nöhden) Kremp. = *R. menziesii*
 scopulorum (Retz.) Ach. (Fink 1935) = misidentification for North America
 subampliata (Nyl.) Fink = misidentification for North America
 subfraxinea Nyl. (Fink 1935) = misidentification for North America
 testudinaria Nyl. = *Niebla homalea*
 usneoides (Ach.) Fr. (Fink 1935) = misidentification for North America
 yemensis (Ach.) Nyl. = *R. celastri*

RAMBOLDIA Kantvilas & Elix

blochiana Lendemer & R. C. Harris (Lendemer & Harris 2011)
cinnabarina (Sommerf.) Kalb, Lumbsch & Elix Syns.: *Biatora cinnabarina*, *Lecidea cinnabarina*, *Protoblastenia cinnabarina* (Kalb et al. 2008)
elabens (Fr.) Kantvilas & Elix (Kantvilas & Elix 2007) Syns.: *Lecidea elabens*, *L. melancheima*, *Pyrrhospora elabens*
gowardiana (T. Sprib. & Hauck) Kalb, Lumbsch & Elix Syn.: *Pyrrhospora gowardiana* (Kalb et al. 2008)
russula (Ach.) Kalb, Lumbsch & Elix Syns.: *Biatora russula*, *Lecidea russula*, *Protoblastenia russula*, *Pyrrhospora russula* (Kalb et al. 2008)
subcinnabarina (Tønsberg) Kalb, Lumbsch & Elix Syns.: *Lecidea subcinnabarina*, *Pyrrhospora subcinnabarina* (Kalb et al. 2008)

RAMONIA Stizenb.

ablephora (Nyl. ex Hasse) R. C. Harris Syns.: *Lecidea ablephora*
absconsa (Tuck.) Vězda
extensa Lendemer, K. Knudsen & Coppins (Lendemer et al. 2009a)
gyalectiformis (Zahlbr.) Vězda
malmei Vězda

- melathelia** (Nyl.) Ertz (Ertz et al. 2021b)
microspora Vězda Syn.: *Biatorella rappii*
rappii Vězda
valenzueliana (Mont.) Stizenb. Syn.: *Gyalecta valenzueliana*, *Maronea porinoidea*
vermispora Lendemer & K. Knudsen (Lendemer & Knudsen 2008a)
- REBENTISCHIA** P. Karsten
 +**massalongoi** (Mont.) Sacc. (Perlmutter et al. 2017)
- RECHINGERIA** Servít = **LICHINELLA**
cribellifera (Nyl.) Servít = *Lichinella cribellifera*
- RECONDITELLA** Matzer & Hafellner
 ***physconiarum** Matzer & Hafellner (Lendemer et al. 2009b)
- REDONOGRAPHIA** Lücking, Tehler & Lumbsch (Lücking et al. 2013a)
saxorum (Egea & Torrente) Lücking & Tehler Syn. : *Graphis saxorum* (Lücking et al. 2013a)
- REFRACTOHILUM** D. Hawksw.
 ***galligenum** D. Hawksw. (Alstrup & Cole 1998)
 ***peltigerae** (Keissler) D. Hawksw.
- REICHLINGIA** Diederich & Scheid. (Morse & Ladd 2021)
americana C. A. Morse & Ladd
- REIMNITZIA** Kalb
santensis (Tuck.) Kalb Syn.: *Leptotrema santense*, *Thelotrema santense* (Kalb 2001)
- REINKELLA** Darb. (Tehler et al. 1997)
californica Räsänen = *Hubbsia californica*
parishii Hasse = *Schizopelte parishii* (Ertz & Tehler 2011)
subcrustacea Räsänen = *Schizopelte parishii* (Ertz & Tehler 2011)
- RELICINA** (Hale & Kurok.) Hale
abstrusa (Vainio) Hale Syn.: *Parmelia abstrusa*
eximbricata (Gyelnik) Hale Syn.: *Parmelia eximbricata*
- REQUIENELLA** Fabre
subcollapsa (Ellis & Everhart) R. C. Harris (Harris 1995a)
 #*seminuda* (Pers. : Fr.) Boise (Aptroot 1991) European, according to Harris (1995a)
- RHABDODISCUS** Vainio (Rivas Plata et al. 2012)
emersus (Kremp.) Rivas Plata, Lücking & Lumbsch Syn.: *Ocellularia emersa*, *Stegobolus emersus*
granulosus (Tuck.) Rivas Plata, Lücking & Lumbsch Syn.: *Ocellularia granulosa*, *Stegobolus granulosis*, *Thelotrema granulosis*
- RHABDOSPORA** (Durieu & Mont.) Mont.
lecanorae B. de Lesd. = pycnidia of *Lecanora thalli* (Hawksworth 1981, Kalb et al. 1995)
- RHAGADOSTOMA** Körber
 ***lichenicola** (De Not.) Keissler (Alstrup & Cole 1998)
- RHEXOPHIALE** Th. Fr.
rhexoblephara (Nyl.) Almq. (Tuckerman 1882) Syn.: *Gyalecta rhexoblephara*

RHIZOCARPON Ramond ex DC.

alaxense J. W. Thomson
alpicola (Anzi) Rabenh. Syn.: *Buellia alpicola*
amphibium (Fr.) Th. Fr. (Hinds et al. 2002)
anaperum (Vainio) Vainio
anseris Lynge
arctogenum Gelting (Nash et al. 1998)
atroflavescens Lynge
#**atrovirellum** (Nyl.) Zahlbr. (McCune et al. 2014b)
badioatrum (Flörke ex Sprengel) Th. Fr. Syn.: *Buellia badioatra*
bolanderi (Tuck.) Herre Syn.: *Buellia bolanderi*
caesium Fryday (Fryday 2002)
chioneum (Norman) Th. Fr.
cinereonigrum Vainio
cinereovirens (Müll. Arg.) Vainio
concentricum (Davies) Beltr.
cookeanum H. Magn.
copelandii (Körber) Th. Fr.
#**dimelaenae** Timdal (Feuerer & Timdal 2004)
#**diploschistidina** McCune (Lumbsch et al. 2011)
disporum (Nägeli ex Hepp) Müll. Arg. Syn.: *Buellia petraea* var. *montagnei*
distinctum Th. Fr.
#**effiguratum** (Anzi) Th. Fr.
eupetraeoides (Nyl.) Blomb. & Forssell
eupetraeum (Nyl.) Arnold
expallescens Th. Fr.
ferax H. Magn.
frigidum Räsänen
geminatum Körber
geographicum (L.) DC. Syn.: *Buellia geographica*
grande (Flörke ex Flotow) Arnold Syn.: *Buellia petraea* var. *grandis*
haidense Brodo & Fryday (Spribille et al. 2020)
hensseniae Brodo
hochstetteri (Körber) Vainio Syn.: *Buellia atroalba* auct., *B. colludens*, *Lecidea colludens*, *Rhizocarpon colludens*
inarense (Vainio) Vainio
infernulum (Nyl.) Lynge (Fryday 2002)
intermediellum Räsänen
intersitum Arnold
jemtlandicum (Malme) Malme
lavatum (Fr.) Hazsl.
lecanorinum Anders Syn.: *Buellia geographica* var. *Lecanorina*
leptolepis Anzi (McCune et al. 2018)
lindsayanum Räsänen Possibly a subspecies of *R. geographicum*
macrosporum Räsänen
microsporum Lynge
norvegicum Räsänen
oederi (Weber) Körber Syn.: *Buellia oederi*
#**parvum** Runemark May not be distinct from *R. norvegicum*
petraeum (Wulfen) A. Massal. Syn.: *Buellia petraea*
polycarpoides Degel.
polycarpum (Hepp) Th. Fr.
postumum (Nyl.) Arnold
praebadium (Nyl.) Zahlbr.
#**pusillum** Runemark
quinonum McCune, Timdal & Bendiksby (McCune et al. 2016)

reductum Th. Fr. (Fryday 2000)
 #**renneri** Poelt
ridescens (Nyl.) Zahlbr. (Brinker 2020)
riparium Räsänen Possibly a subspecies of *R. geographicum*
rittokense (Hellbom) Th. Fr. Syn.: *Buellia rittokensis*
rubescens Th. Fr. (Fryday 2000)
saanaëense Räsänen Syn.: *R. sublucidum*
 #**santessonii** Timdal
saurinum (W. A. Weber) Bungartz Syn.: *Buellia saurina* (Bungartz & Fryday 2004)
simillimum (Anzi) Lettau
sinense Zahlbr. (McCune et al. 2018)
subgeminatum Eitner
sublavatum Fryday (McCune 2017)
submodestum (Vainio) Vainio
subpostumum (Nyl.) Arnold (McCune 2017)
sulphurosum (Tuck. ex Willey) Lendemer (Lendemer et al. 2010) Syn.: *Buellia bolanderi* var. *sulphurosa*
suomiense Räsänen (MacDonald et al. 2011)
 #**superficiale** (Schaerer) Vainio
superficiale subsp. **boreale** Runemark
tetramerum (Vainio) Vainio
timdalii Ihlen & Fryday (Ihlen & Fryday 2002)
umbilicatum (Ramond) Flagey
vernicoideum Fink
 #**viridiatrum** (Wulfen) Körber
albineum (Tuck.) Fink = *R. obscuratum*
alboatrum (Hoffm.) Anzi = *Diplotomma alboatrum*
appanatum (Fr.) Th. Fr. (Hambleton 1910) Probable misidentification of *R. hochstetteri*
athalloides (Nyl.) Hasse = *Diploschistella athalloides*
ambiguum (Schaerer) Zahlbr. = *R. distinctum*
atroalbescens (Nyl.) Zahlbr. = *R. eupetraeoides*
chionophilum Th. Fr. = *R. alpicola*
chlorophaeum Hepp ex Leighton = *Diplotomma chlorophaeum*
colludens (Nyl.) Fryday (Mohr 1901) = *Rhizocarpon hochstetteri*
concentricum auct. = *R. petraeum*
concretum (Ach.) Elenkin = *R. geminatum*
crystalligenum Lynge = *R. superficiale* subsp. *boreale*
cumulatum J. W. Thomson = *Diplotomma venusta* (as *Buellia*, Feuerer 1991)
disporum auct. = *R. geminatum*
infernum f. *sylvaticum* Fryday (Fryday 2002) = *R. infernum*
intermedium Degel. = *R. eupetraeum*
interponens (Nyl.) Zahlbr. = *R. obscuratum*
malenconianum (Limona & Werner) Hafellner & Mayrhofer (McCune & Ponzetti 2005)
 Erroneous report for N.A. (Lumbsch et al. 2011)
montagnei Körber = *R. disporum*
obscuratum (Ach.) A. Massal. = misidentification for North America (Fryday 2000); mostly *R. lavatum*/*R. reductum*
occidentale Lynge = *R. superficiale*
oidaleum (Nyl.) Fink = *Buellia oidalea*
oreites (Vainio) Zahlbr. = *R. alpicola*
penichrum (Tuck.) G. Merr. = *Diplotomma penichrum*
permodestum Arnold = *R. obscuratum*
plicatile auct. North American = *R. rubescens* Th. Fr.?
plicatile (Leighton) A. L. Sm. = *Stereocaulon plicatile* (Leighton) Fryday & Coppins (Fryday & Coppins 1996) Not known from North America
polare Räsänen = *R. superficiale*

sphaerosporum Räsänen = R. macrosporum Räsänen
subconcentricum (Körber) Körber (Mohr 1901) = R. petraeum
sublucidum Räsänen = R. saanaense Räsänen.
subtile Runemark = R. viridiatrum

RHIZOPLACA Zopf

chrysoleuca (Sm.) Zopf Syn.: Lecanora chrysoleuca, L. rubina
glaucophana (Nyl. ex Hasse) W. A. Weber Syn.: Lecanora glaucophana, Harpidium glaucophanum
haydenii (Tuck.) W. A. Weber Syn.: Lecanora haydenii
haydenii subsp. **arbuscula** Rosentreter (McCune & Rosentreter 2007)
idahoensis Rosentreter & McCune (McCune & Rosentreter 2007)
marginalis (Hasse) W. A. Weber Syn.: Lecanora marginalis
melanophthalma (DC.) Leuckert & Poelt Syn.: Lecanora melanophthalma
melanophthalma subsp. **cerebriformis** Rosentreter & B. D. Ryan (McCune & Rosentreter 2007)
melanophthalma subsp. **crispa** Rosentreter & B. D. Ryan (McCune & Rosentreter 2007)
nigromarginata (H. Magn.) Leavitt, Zhao Xin & Lumbsch (Zhao et al. 2016) Syn.: Lecanora nigromarginata
novomexicana (H. Magn.) Leavitt, Zhao Xin & Lumbsch (Zhao et al. 2016) Syn.: Lecanora novomexicana, L. thomsonii
opiniconensis (Brodo) Leavitt, Zhao Xin & Lumbsch (Zhao et al. 2016) Syn.: Lecanora opiniconensis
phaedrophthalma (Poelt) Leavitt, Zhao Xin & Lumbsch (Zhao et al. 2016) Syn.: Lecanora phaedrophthalma
subdiscrepans (Nyl.) R. Sant.
weberi (Ryan) Leavitt, Zhao Xin & Lumbsch (Zhao et al. 2016) Syn.: Lecanora weberi
peltata (Ramond) Leuckert & Poelt = Protoparmeliopsis peltata

RHYMBOCARPUS Zopf

***boomii** Etayo & Diederich (Diederich & Etayo 2004a)
***cruciatus** (Sherwood, D. Hawksw. & Coppins) Etayo & Diederich (Diederich 2003)
***neglectus** (Vainio) Diederich & Etayo Syn.: Llimoniella neglecta (Diederich & Etayo 2000)
***stereocaulorum** (Alstrup & D. Hawksw.) Etayo & Diederich (Zhurbenko 2010)

RICASOLIA De Not. (Moncada et al. 2013, Cornejo et al. 2017)

amplissima (Scop.) De Not. (Moncada et al. 2013, Cornejo et al. 2017) Syn.: Leptogium bolacinum, Lobaria amplissima, Sticta amplissima, S. glomulifera
amplissima subsp. **sheiyi** Derr & Dillman (Cornejo et al. 2017)
quercizans (Michaux) Stitzenb. Syn.: Lobaria quercizans (Cornejo et al. 2017)
crenulata Nyl. var. stenospora Nyl. (Tuckerman 1882) Identity uncertain
intermedia Nyl. (Tuckerman 1882) = Lobaria intermedia, a misidentification for N.A.

RIMELIA Hale & Fletcher = **PARMOTREMA** (Blanco et al. 2005)

cetrata (Ach.) Hale & Fletcher = Parmotrema cetratum
commensurata (Hale) Hale & Fletcher = Parmotrema commensuratum
diffractaica (Essl.) Hale & Fletcher = Parmotrema diffractaicum
reticulata (Taylor) Hale & Fletcher = Parmotrema reticulatum
simulans (Hale) Hale & Fletcher = Parmotrema simulans
subsidiosa (Müll. Arg.) Hale & Fletcher = Parmotrema subsidiosum

RIMELIELLA Kurok. = **PARMOTREMA** (Blanco et al. 2005)

conferenda (Hale) Kurok. = Parmotrema conferendum
neotropica (Kurok.) Kurok. = Parmotrema neotropicum
subsumpta (Nyl.) Kurok. = Parmotrema subsumptum
subtinctoria (Zahlbr.) Kurok. = Parmotrema subtinctorium

RIMULARIA Nyl.

- actinostoma** Coppins & Fryday (Coppins & Fryday 2006a)
- badioatra** (Kremp.) Hertel & Rambold
- gibbosa** (Ach.) Coppins, Hertel & Rambold Syns.: *Mosigia gibbosa*, *Lecanora bockii*
- limborina** Nyl. Syns.: *Lecidea limborina*, *L. trochodes*
- paradoxa** Timdal & W. A. Weber (Timdal 2002b)
- caeca** (J. Lowe) Rambold & Printzen = *Lambiella caeca* (Resl et al. 2015)
- furvella** (Nyl. ex Mudd) Hertel & Rambold = *Lambiella furvella* (Resl et al. 2015)
- gyrizans** (Nyl.) Hertel & Rambold = *Lambiella gyrizans* (Resl et al. 2015)
- impavida** (Th. Fr.) Hertel & Rambold = *Lambiella impavida* (Resl et al. 2015)
- #insularis** (Nyl.) Rambold & Hertel = *Lambiella insularis* (Spribille et al. 2014a)
- sphacelata** (Th. Fr.) Hertel & Rambold = *Lambiella sphacelata* (Resl et al. 2015)

RINODINA (Ach.) Gray

- albertana** Sheard (Sheard 2010)
- archaea** (Ach.) Arnold
- ascociscana** (Tuck.) Tuck.
- aspersa** (Borrer) J. R. Laundon (Glew 1999)
- athallina** H. Magn.
- austroborealis** Sheard (Sheard 2010)
- badiexcipula** Sheard (Sheard & Mayrhofer 2002)
- bischoffii** (Hepp) A. Massal.
- bolanderi** H. Magn.
- boulderensis** Sheard (Sheard & Mayrhofer 2002)
- brauniana** Lendemer & Sheard (Lendemer et al. 2019b)
- brodoana** Sheard, Lendemer & E. Tripp (Lendemer et al. 2014)
- brouardii** B. de Lesd.
- buckii** Sheard (Sheard et al. 2012)
- bullata** Sheard & Lendemer (Sheard et al. 2012)
- calcigena** (Th. Fr.) Lynge
- californiensis** Sheard (Sheard & Mayrhofer 2002)
- campestris** Sheard & C. A. Morse (Sheard et al. 2011)
- cana** (Arnold) Arnold (Wilhelm 1998)
- capensis** Hampe
- castanomela** (Nyl.) Arnold
- castanomelodes** H. Mayrhofer & Poelt
- chrysidia** Sheard (Lendemer et al. 2012)
- chrysomelaena** (Ach.) Tuck. (Lendemer & Sheard 2006)
- cinereovirens** (Vainio) Vainio (Sheard et al. 2017)
- cinnamomea** (Th. Fr.) Räsänen Syns.: *Rinodina mniaraea* var. *cinnamomea* (Spribille et al. 2010; Resl et al. 2016)
- colobina** (Ach.) Th. Fr.
- colobinoides** (Nyl.) Zahlbr.
- coloradiana** H. Magn.
- confragosa** (Ach.) Körber
- confragosula** (Nyl.) Müll. Arg. (Sheard 2010)
- conradii** Körber
- disjuncta** Sheard & Tønsberg
- dolichospora** Malme (Sheard & Mayrhofer 2002)
- efflorescens** Malme
- endophragma** I. M. Lamb
- endospora** Sheard (Sheard & Mayrhofer 2002)
- excrescens** Vainio
- exigua** (Ach.) Gray
- ficta** (Stizenb.) Zahlbr. (Sheard 2018)
- fimbriata** Körber (Sheard 2010)

flavosoralifera Tønsberg (Tønsberg 2002)
freyi H. Magn. (Sheard 2010)
gennarii Bagl.
grandilocularis Sheard (Sheard & Mayrhofer 2002)
granuligera H. Magn.
griseosoralifera Coppins (Tønsberg 1993a)
guzzinii Jatta (Sheard 2004)
hallii Tuck. Syn. *Lecanora exigua* f. *pruinosa*
herrei H. Magn.
imshaugii Sheard (Sheard 2010)
incurva Sheard & J. Walton (Sheard 2018)
innata Sheard (Sheard & Mayrhofer 2002)
intermedia Bagl. (Mayrhofer et al. 2001)
intrusa (Nyl.) Malme (Sheard 2010)
juniperina Sheard (Sheard & Mayrhofer 2002)
laevigata (Ach.) Malme
lecideina H. Mayrhofer & Poelt (McCune 2017)
lecideopsis Sheard & C. A. Morse (Morse & Sheard 2020)
lepida (Nyl.) Müll. Arg.
lobulata H. Mayrhofer & Sheard (Sheard & Mayrhofer 2002)
luridata (Körber) H. Mayrhofer, Scheid. & Sheard
macrospora Sheard (Sheard & Mayrhofer 2002)
maculans Müll. Arg. (Sheard 2010)
marysvillensis H. Magn.
megistospora Sheard & H. Mayrhofer (Sheard et al. 2011)
metaboliza Vainio
milvina (Wahlenb.) Th. Fr.
mniaroea (Ach.) Körber
mniaroeiza (Nyl.) Arnold (Resl et al. 2016)
moziana (Nyl.) Zahlbr. Syn.: *Lecidea destituta* (Sheard 2018)
notabilis (Lynge) Sheard Syn.: *Buellia notabilis* (Sheard 2010)
#obnascens (Nyl.) H. Olivier (Sheard 2010)
ochracea Lynge (Sheard et al. 2012)
oleae Bagl. (Sheard 2010)
olivaceobrunnea C. W. Dodge & Baker
orculata Poelt & M. Steiner (Mayrhofer & Sheard 2007)
oregana H. Magn.
oxydata (A. Massal.) A. Massal.
pachysperma H. Magn.
pacifica Sheard (Sheard & Mayrhofer 2002)
pallidescens Sheard & Tønsberg (Sheard et al. 2014)
papillata H. Magn.
#parasitica H. Mayrhofer & Poelt
perreagens Sheard (Sheard & Mayrhofer 2002)
pityrea Ropin & H. Mayrhofer (Sheard 2011)
poeltiana Giralt & Obermayer (Sheard 2004)
polyspora Th. Fr.
populicola H. Magn.
pyncocarpa H. Magn. (Sheard 2010)
pyrina (Ach.) Arnold
rinodinoides (Anzi) H. Mayrhofer & Scheid. (Sheard 2004)
riparia Sheard (Sheard 1998)
roscida (Sommerf.) Arnold
santae-monicae H. Magn.
septentrionalis Malme
sheardii Tønsberg

sibirica H. Magn. (Sheard 2010)
siouxiana Sheard (Sheard 2010)
stictica Sheard & Tønsberg
straussii J. Steiner (Sheard 2010)
subminuta H. Magn.
subpariata (Nyl.) Zahlbr. (Resl. et al. 2016)
tenuis Müll. Arg. (Sheard 2018)
tephraspis (Tuck.) Herre
terrestris Tomin (Zhurbenko et al. 2006)
terricola Sheard & K. Knudsen (Sheard et al. 2011)
trevisanii (Hepp) Körber (Sheard 2004)
turfacea (Wahlenb.) Körber
venostana Buschardt & H. Mayrhofer (Freebury 2014)
verruciformis Sheard (Sheard & Mayrhofer 2002)
wetmorei Sheard (Sheard 2010)
willeyi Sheard & Giralt (Sheard 1995)
zwackhiana (Kremp.) Körber
 adirondackii H. Magn. = R. tenuis (Sheard 2018)
 americana B. de Lesd. Identity not established (Sheard 2010)
 angelica Stizenb. = Mobergia angelica
 annulata H. Magn. = R. subminuta (Sheard 2010)
 applanata H. Magn. = R. maculans (Sheard 2010)
 archaeoides H. Magn. = R. olivaceobrunnea
 arctica H. Magn. = R. olivaceobrunnea (Sheard 2010)
 aterrima Kremp. ex Anzi = Lichenothelia scopularia
 atrocinerea (Hooker) Körber = misidentification for North America
 aurantiaca Sheard (Sheard & Mayrhofer 2002) = R. capensis (Sheard 2018)
 biatorina Körber = R. oxydata
 biatorina sensu Fink = R. destituta (Sheard 2010)
 boleana Giralt & H. Mayrhofer (Sheard et al. 2011) = R. ficta (Sheard 2018)
 bolodes Tuck. ex Fink = Mobergia angelica
 cacuminum (Th. Fr.) Malme = Amandinea cacuminum
 calculiformis W. A. Weber = Mobergia calculiformis
 californica H. Magn. = Dimelaena californica
 cinereovirens (Vainio) Vainio = R. turfacea (Sheard 2010)
 constans (Nyl.) Tuck. = Maronea constans
 constrictula H. Magn. = R. straussii (Sheard 2010)
 corticola (Arnold) Arnold = R. capensis
 dakotensis H. Magn. = Amandinea dakotensis
 darrowii E. D. Rudolph ("darrovii") = R. intermedia
 degeliana Coppins = R. subpariata (Resl. et al. 2016)
 destituta (Nyl.) Zahlbr. = R. moziana (Sheard 2018)
 dirinoides Zahlbr. = Mobergia angelica
 diskoensis Sheard ined. (Thomson 1997) = R. endophragma (Sheard 2010)
 dissa (Stirton) H. Mayrhofer = Hafellia dissa, but not in North America
 exigua var. glauca H. Magn. = R. oleae (Sheard 2010)
 euryspora Zahlbr. = R. luridata
 farinosa Sheard ined. (Brodo 1988) = R. efflorescens (Sheard 2010)
 finkii H. Magn. = Amandinea dakotensis
 flavonigella Tuck. = R. lepida (Sheard 2010)
 glauca Ropin = R. freyi (Sheard 2010)
 granulans Vainio sensu Thomson (1997) = R. sibirica (Sheard 2010)
 halei H. Magn. = R. subminuta (Sheard 2010)
 hueana Vainio = Dimelaena oreina
 hyperborea H. Magn. = R. septentrionalis (Sheard 2010)
 inaequalis H. Magn. = Amandinea dakotensis

*insularis (Arnold) Hafellner (Sheard 2004) = *Endohyalina insularis*
 interpolata (Stirton) Sheard (Thomson 1997) = misidentification for N.A. (Sheard 2010)
 iowensis Zahlbr. = *R. cana* (Sheard 2010)
 kentuckyensis Fink = *R. tephrae*
 lecanoides B. de Lesd. Identity not established (Sheard 2010)
 lecanorina (A. Massal.) A. Massal. = misidentification for N.A. (Sheard 2010)
 lecideoides (Nyl.) Kernst. = *R. archaea* (Mayrhofer & Sheard 2007)
 lignaria H. Magn. = *R. trevisanii*
 lignicola Sheard (Sheard & Mayrhofer 2002) = *R. archaea* (Mayrhofer & Sheard 2007)
 lycopodiicola B. de Lesd. Identity not established (Sheard 2010)
 lyngae Sheard ined. (Thomson 1997) = *R. endophragmia* (Sheard 2010)
 magnussonii Sheard ined. (Brodo 1988) = *R. freyi* (Sheard 2010)
 mamillana (Tuck.) W. A. Weber = *Buellia mamillana*
 marysvillensis var. thujae H. Magn. = *R. excrescens* (Sheard 2010)
 microbola Tuck. ex Fink = *Buellia microbola*
 minutissima B. de Lesd. Identity not established (Sheard 2010)
 milliaria Tuck. = *Amandinea milliaria*
 mniaroea var. cinnamomea = *R. cinnamomea* (Resl et al. 2016)
 mucronatula H. Magn. = *R. terrestris*
 nigra Fink = *Buellia nigra*
 nimbose (Fr.) Th. Fr. = *Phaeorrhiza nimbose*
 novomexicana B. de Lesd. = *Dimelaena oreina*
 occidentalis Lyngae = *R. calcigena*
 ocellata (Hoffm.) Arnold = *R. lecanorina*, but a misidentification for N.A. (Sheard 2010)
 ochrocea Willey ex Hedrick = *R. destituta* (Sheard 2010)
 orbata (Ach.) Vainio = *R. turfacea*
 oreina (Ach.) A. Massal. = *Dimelaena oreina*
 palustris Willey nom. inval. = *R. populicola* (Sheard 2010)
 penardiana Müll. Arg. = a *Buellia* sp. (Sheard 2010)
 pennsylvanica H. Magn. = *Amandinea dakotensis*
 phaeocarpa (Sommerf.) Vainio = *Phaeorrhiza nimbose*
 platyloba Willey = nom. nudum = *Mobergia calculiformis*
 pyriformis H. Magn. = *Amandinea dakotensis*
 radiata Tuck. = *Dimelaena radiata*
 radiata var. fimbriata Tuck. (Tuckerman 1882) = *Dimelaena radiata*
 roboris (Dufour ex Nyl.) Arnold Known only from Mexico
 sabulosa Tuck. = *R. intermedia*
 salina Degel. = *R. gennarii*
 exigua Ach. (Claassen 1912) Apparent Freudian typographical error for *R. exigua*
 silicicola B. de Lesd. Identity not established (Sheard 2010)
 sophodes (Ach.) A. Massal. = misidentification for North America
 sophodes var. atrocineae (Fr.) Tuck. (Tuckerman 1882) = *Rinodina atrocineae*, a misidentification for N.A.
 sophodes var. confragosa (Ach.) Tuck. (Tuckerman 1882) = *Rinodina confragosa*
 sophodes var. exigua (Ach.) Tuck. (Tuckerman 1882) = *Rinodina exigua*
 sophodes var. tephrae (Tuck.) Tuck. (Tuckerman 1882) = *Rinodina tephrae*
 suboreina B. de Lesd. = *Dimelaena oreina*
 subsophodes (Nyl. ex Lindsay) Zahlbr. = *R. ascociscana* (Sheard 2010)
 succedens Nyl. (Fink 1935) = apparent misidentification for North America (Tucker & Ryan 2006)
 subplumbea H. Magn. = *Amandinea dakotensis*
 thomae Tuck. (Fink 1935) = *Buellia mamillana* (Bungartz et al. 2004)
 thomsonii Sheard (Sheard 1995) = *R. santae-monicae* (Sheard 2010)
 thujae (H. Magn.) Sheard = *R. excrescens*
 thysanota Tuck. = *Dimelaena thysanota*
 turfacea (Wahlenb.) Körber var. mniaroea (Ach.) Arnold (Tuckerman 1882) = *Rinodina mniaroea*

turfacea var. roscida (Sommerf.) Th. Fr. (Tuckerman 1882) = *Rinodina roscida*
vegassii B. de Lesd. Identity not established (Sheard 2010)
verrucosa G. K. Merr. ex Sheard ined. Identity uncertain (Sheard 2010)
vezdae H. Mayrhofer (Harris & Ladd 2005, Lendemer & Macklin 2006) = *R. moziana* (Sheard 2018)
violascens H. Magn. = *R. zwackhiana*

ROBERGEEA Desm.

pupula (Nyl.) R. C. Harris Syn.: *Belonia americana* Excluded as a non-lichen

ROCCELLA DC.

decipiens Darb.

gracilis Bory (Tehler 2006)

babingtonii Mont. = *R. decipiens*

babingtonii sensu auct. North American = *R. gracilis* (Tehler 2006)

difficilis Darb. = *R. gracilis* (Tehler 2002b, 2006)

fimbriata Darb. = *R. decipiens* (Tehler 2002b; Tehler et al. 2004)

fuciformis (L.) DC. = misidentification for North America (Tehler et al. 2004)

fucoides (Dickson) Vainio = *R. phycopsis* (Tehler 2002a, 2003)

leucophaea Tuck. = *Dendrographa leucophaea*

montagnei Bél. = misidentification for North America (Tehler et al. 2004)

peruensis Kremp. = *R. gracilis* (Tehler 2006)

phycopsis (Ach.) Ach. = misidentification for North America (Tehler et al. 2004)

tinctoria DC. = misidentification for North America (Tehler et al. 2004)

ROCCELLINA Darb.

conformis Tehler = *Dendrographa conformis* (Ertz & Tehler 2011)

franciscana (Zahlbr. ex Herre) Follmann = *Dendrographa franciscana* (Ertz & Tehler 2011)

ROCKEFELLERA Lendemer & E. Tripp

crossophylla (Tuck.) Lendemer & E. Tripp (Lendemer et al. 2017) Syns.: *Parmeliella*

crossophylla, *Pannaria crossophylla*, *Santessoniella crossophylla* (Jørgensen 2000c, 2005)

ROMJULARIA Timdal

lurida (Ach.) Timdal Syns.: *Mycobilimbia lurida*, *Lecidea lurida*, *L. petri*, *Biatora lurida*, *B. petri*, *Psora lurida* (Timdal 2007)

ROPALOSPORA A. Massal.

chlorantha (Tuck.) S. Ekman Syns.: *Bacidia chlorantha*, *Biatora chlorantha*

hibernica (P. James & Poelt) Tønsberg

lugubris (Sommerf.) Poelt Syns.: *Bacidia lugubris*, *Bilimbia caudata*, *Lecidea lugubris*, *L. caudata*

viridis (Tønsberg) Tønsberg

ROSELLINIELLA Vainio (Goward et al. 1996)

***atlantica** Matzer & Hafellner (Etayo & Breuss 1998)

***cladoniae** (Anzi) Matzer & Hafellner (Diederich 2003)

***microthelia** (Wallr.) Nik. Hoffm. & Hafellner (Kocourková 2007)

***nephromatis** (Crouan) Matzer & Hafellner (Goward et al. 1996)

***peltigericola** D. Hawksw. & Miqdl. (Zhurbenko & Laursen 2003)

***stereocaulorum** Zhurb., Kukwa, & Oset (Zhurbenko et al. 2009)

ROSELLINIOPSIS Matzer & Hafellner

***gelidaria** (Mudd) Matzer Syn.: *Polycoccum gelidarium*

***tartaricola** (Nyl.) Matzer (Hafellner 2004e)

***tropica** Matzer & Hafellner (Lendemer & Harris 2014b)

***ventosa** (Rostrup) Alstrup (Spribille et al. 2020)

- ROSELLINULA** R. Sant. (Kalb et al. 1995)
 ***haplospora** (Nyl.) R. Sant. (Lendemer & Harris 2012)
 ***kalbii** (Hafellner) Hafellner & R. W. Rogers (Kalb et al. 1995)
- ROSTANIA** Trevisan (Otálora et al. 2014)
callibotrys (Tuck.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema callibotrys*
ceranisca (Nyl.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema arcticum*, *C. ceraniscum*
occultata (Bagl.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema occultatum*
occultata var. **populina** (Th. Fr.) Perlmutter & Rivas Plata (Perlmutter & Rivas Plata 2018)
quadrifida (D. F. Stone & McCune) McCune (McCune et al. 2014b) = *Scytinium quadrifida*
 (Košťuthová et al. 2019)
- RUFOPLACA** Arup, Søchting & Frödén (Arup et al. 2013)
arenaria (Pers.) Arup, Søchting & Frödén Syn.: *Caloplaca arenaria*
oxfordensis (Fink) Arup, Søchting & Frödén Syn.: *Caloplaca oxfordensis*
- RUSAVSKIA** S. Y. Kondr. & Kärnefelt (Arup et al. 2013)
elegans (Link) S. Y. Kondr. & Kärnefelt Syn.: *Caloplaca elegans*, *C. splendens*, *Placodium elegans*, *Xanthoria elegans*
papillifera (Vainio) S. Y. Kondr. & Kärnefelt Syn.: *Xanthoria papillifera*
sorediata (Vainio) S. Y. Kondr. & Kärnefelt Syn.: *Caloplaca sorediata*, *Xanthoria sorediata*
- SACCOMORPHA** Elenkin = **PLACYNTHIELLA**
hyporhoda (Th. Fr.) Clauzade & Cl. Roux = *Placynthiella hyporhoda*
icmalea (Ach.) Clauzade & Cl. Roux = *Placynthiella icmalea*
oligotropha (J. R. Laundon) Clauzade & Cl. Roux = *Placynthiella oligotropha*
uliginosa (Schrader) Hafellner = *Placynthiella uliginosa*
- SAGEDIA** Ach. (Nordin et al. 2010)
mastrucata (Wahlenb.) A. Nordin, Savić & Tibell Syn.: *Aspicilia mastrucata*, *Lecanora mastrucata*
simoënsis (Räsänen) A. Nordin, Savić & Tibell Syn.: *A. simoënsis*
cestrensis (Tuck.) Tuck. (Mohr 1901) = *Pseudosagedia cestrensis*
- SAGEDIOPSIS** (Sacc.) Vainio
 ***aquatica** (Stein) Triebel (Brodo 1995)
 ***barbara** (Th. Fr.) R. Sant. & Triebel Syn.: *Gongylia nadvornikii*
 ***campsteriana** (Lindsay) D. Hawksw. & R. Sant. Syn.: *Metasphaeria tartarina*
 ***lomnitzensis** (Stein) Orange (Spribille et al. 2010)
- SAGIOLECHIA** A. Massal.
bairdensis Fryday (Fryday & Dillman 2021)
phaeospora Fryday & T. Sprib. (Spribille et al. 2020)
protuberans (Ach.) A. Massal.
rhexoblephara (Nyl.) Zahlbr.
- SANGUINOTREMA** Lücking
wightii (Taylor) Lücking Syn.: *Leptotrema wightii*, *Myriotrema wightii*, *Thelotrema ravenelii*, *T. wightii* (Lücking et al. 2015)
- SANTESSONIELLA** Henssen (Henssen 1997)
arctophila (Th. Fr.) Henssen var. **arctophila** Syn.: *Parmeliella arctophila* (Henssen 1997)
grisea (Hue) Henssen (Tønsberg & Henssen 1999)
crossophylla (Tuck.) P. M. Jørg. = *Rockefelleria crossophylla*

saximontana T. Sprib., P. M. Jørg. & M. Schultz (Spribille et al. 2007) = *Leciophysma saximontana* (Ekman et al. 2014)

SARCOGRAPHA Fée

labyrinthica (Ach.) Müll. Arg.
medusulina (Nyl.) Müll. Arg.
tricosa (Ach.) Müll. Arg.
intricans (Nyl.) Müll. Arg. = *Phaeographis intricans*

SARCOGYNE Flotow

albothallina K. Knudsen, T. B. Wheeler, Kocourk. & M. Westb. (Knudsen et al. 2016)
alcesensis K. Knudsen, J. N. Adams, Kocourk. & Y. Wang (Knudsen et al. 2020)
arenosa (Herre) Knudsen & S. M. Standley (Knudsen 2005b) Syn.: *Acarospora arenosa*
bernardinensis K. Knudsen, J. N. Adams, Kocourk. & Y. Wang (Knudsen et al. 2020)
canadensis (H. Magn.) K. Knudsen, J. N. Adams, Kocourk. & Y. Wang (Knudsen et al. 2020) Syn.: *Acarospora canadensis*
clavus (DC.) Kremp. Syn.: *Biatorrella clavus*
convexa K. Knudsen, J. N. Adams, Kocourk. & Y. Wang (Knudsen et al. 2020)
crustacea K. Knudsen & Kocourk. (Knudsen & Kocourková 2010a) Syn.: *Biatorrella terrena*
dakotensis H. Magn.
desolata (H. Magn.) K. Knudsen & Standley Syn.: *Acarospora desolata* (Knudsen & Standley 2007)
hypophaea (Nyl.) Arnold Syn.: *Biatorrella hypophaea* (Knudsen et al. 2013b)
hypophaeoides Vainio ex H. Magn. (Knudsen & Kocourková 2020a)
integra B. de Lesd. ex H. Magn. (Knudsen et al. 2018a)
lapponica (Ach. Ex Schaerer) K. Knudsen & Kocourk. (Spribille et al. 2020) Syn.: *Acarospora lapponica*, *Polysporina lapponica*
magnussonii B. de Lesd.
mitziae K. Knudsen, Kocourk. & McCune (Knudsen et al. 2013a)
novomexicana H. Magn.
***paradoxa** Kocourk. & K. Knudsen (Knudsen & Kocourková 2020b)
plicata H. Magn. (Knudsen & Kocourková 2009a, 2011) Syn.: *Biatorrella plicata*
***pusilla** Anzi Syn. : *Polysporina pusilla* (
regularis Körber Syn.: *Biatorrella pruinosa*
similis H. Magn.
squamosa K. Knudsen & McCune (Knudsen & McCune 2013)
urceolata Anzi Syn. : *Polysporina urceolata*
wheeleri K. Knudsen, J. N. Adams, Kocourk. & Y. Wang (Knudsen et al. 2020)
athrocarpa H. Magn. = *Acarospora badiofusca* (Knudsen & Kocourková 2013)
*bicolor H. Magn. = *Acarospora subfuscescens* (Knudsen & Kocourková 2008a, Knudsen et al. 2021b)
bolleana H. Magn. = *Acarospora bolleana* (Knudsen et al. 2020)
californica H. Magn. = *S. similis* (Knudsen & Lendemer 2005a)
gyrocarpa H. Magn. = *Acarospora gyrocarpa* (Knudsen et al. 2017)
oligospora H. Magn. = *Acarospora gyrocarpa*
privigna (Ach.) A. Massal. = *Acarospora privigna*
pruinosa auct. = *S. regularis*
reebiae K. Knudsen (Knudsen & Standley 2007) = *S. similis* (Knudsen & Kocourková 2020c)
simplex (Davies) Nyl. = *Polysporina simplex*
***sphaerospora** J. Steiner (Lendemer et al. 2009b) = *Acarospora lendemeri* (Knudsen & Kocourková 2020c)

SARCOPYRENIA Nyl. (Harris 1995b)

***bacillosa** (Nyl. ex Hasse) Nav.-Ros. & Hladun Syn.: *Hasea bacillosa*, *Verrucaria bacillosa* (Navarro-Rosinés & Hladun 2004)

- ***calcarea** Lendemer & R. C. Harris (Lendemer et al. 2013)
- ***cyliandrospora** (P. Crouan & H. Crouan) M. B. Aguirre (Harris 1995b)

SARCOSAGIUM A. Massal.

campestre (Fr.) Poetsch & Schied. Syn.: *Biatora campestris*, *Biatorella campestris*

SAREA Fr.

- +**difformis** (Fr.) Fr. Syn.: *Biatora difformis*
- +**resinae** (Fr.) Kuntze Syn.: *Biatora resinae*, *Biatorella resinae*

SAXOMYCES Sellbmann & Isola (Ametrano et al. 2019)

- #**americanus** Ametrano, K. Knudsen, Kocourk. & Muggia
- #**penninicus** Zucconi & Onofri

SCHADONIA Körber

- alpina** Körber Syn.: *Lopadium alpinum*, *L. gemellum*
- fecunda** (Th. Fr.) Vězda & Poelt Syn.: *Lopadium fecundum*

SCHAERERIA Körber

- brunnea** Björk, T. Sprib. & T. B. Wheeler (Spribille et al. 2009)
- cinereorufa** (Schaerer) Th. Fr. Syn.: *Lecidea cinereorufa*, *L. rugosa*
- corticola** Muhr & Tønsberg
- dolodes** (Nyl.) Schmull & T. Sprib. (Schmull & Spribille 2005)
- endocyanea** (Stirton) Hertel & Gotth. Schneider Syn.: *Lecidea epiiodiza*
- fuscocinerea** (Nyl.) Clauzade & Cl. Roux Syn.: *Aspicilia quartzitica*, *Lecidea fuscocinerea*, *L. tenebrosa*
- #**parasemella** (Nyl.) Lumbsch Syn.: *Hafellnera parasemella*, *Lecidea parasemella* (Lumbsch 1997)
- tenebrosa* (Flotow) Hertel & Poelt = *S. fuscocinerea*

SCHISMATOMMA Flotow & Körber ex A. Massal.

- glaucescens** (Nyl. ex Willey) R. C. Harris Syn.: *Arthonia glaucescens*
- graphidioides** (Leighton) Zahlbr. (Lendemer & Harris 2016)
- pericleum** (Ach.) Branth & Rostrup Syn.: *Platygrapha periclea*
- rappii** (Zahlbr.) R. C. Harris Syn.: *Haematomma rappii*
- rediuanta** (Hasse) Tehler Syn.: *Dirina rediuanta*
- vernans** (Tuck.) Zahlbr. Syn.: *Platygrapha vernans*
- abietinum* (Humb.) A. Massal. = *S. pericleum*
- californicum* (Tuck.) Zahlbr. = *Sigridia californica*
- cupressum* Herre = *Dendrographa franciscana*
- decolorans* (Turner & Borrer ex Sm.) Clauz. & Vězda = *Dendrographa decolorans* (Ertz & Tehler 2011)
- hypothallinum* (Zahlbr.) Hasse = *Lecanographa hypothallina*
- ocellatum* (Nyl.) Zahlbr. = *Mazosia ocellata*
- palidellum* auct. = *Opegrapha anguinella*
- pluriloculare* (Zahlbr.) Zahlbr. (Tehler 2002c) = *Paraschismatomma pluriloculare* (Ertz & Tehler 2011)
- ravenelii* (Tuck.) Zahlbr. = *Opegrapha ravenelii*
- subattingens* (Nyl.) Zahlbr. = *Lecanactis epileuca*

SCHIZOPELTE Th. Fr.

- californica** Th. Fr. Syn.: *Combea californica*
- crustosa** Ertz & Tehler (Ertz & Tehler 2011) Syn.: *Chiodecton californicum*, *Llimonaea californica*, *Sclerophyton californicum*
- parishii** (Hasse) Ertz & Tehler (Ertz & Tehler 2011)

lumbricoides (W. A. Weber) Ertz & Tehler (Ertz & Tehler 2011) Previously regarded as a synonym of *Hubbsia californica*, but when recognized as separate, it is known only from Mexico

SCLEROCOCCUM Fr.

- ***aeruginosum** (Holien & Ihlen) Ertz & Diederich Syn.: *Dactylospora aeruginosa* (Diederich et al. 2018)
- ***ahtii** (Zhurb. & Pino-Bodas) Ertz & Diederich Syn.: *Dactylospora ahtii* (Diederich et al. 2018)
- ***amygdalariae** (Triebel) Ertz & Diederich Syn.: *Dactylospora amygdalariae* (Diederich et al. 2018)
- ***athallinum** (Müll. Arg.) Ertz & Diederich Syn.: *Karschia athallina*, *Dactylospora athallina* (Diederich et al. 2018)
- ***attendendum** (Nyl.) Ertz & Diederich Syn.: *Dactylospora attendenda* (Diederich et al. 2018)
- ***boreale** (Holien & Ihlen) Ertz & Diederich (Ihlen et al. 2004a) Syn.: *Dactylospora borealis* (Diederich et al. 2018)
- ***crassitunicatum** Zhurb., Diederich & U. Braun (Zhurbenko & Pino-Bodas 2017)
- ***deminutum** (Th. Fr.) Ertz & Diederich Syn.: *Dactylospora deminuta* (Diederich et al. 2018)
- ***fissurinae** Pérez-Ort. (Spribille et al. 2020)
- ***frigidum** (Hafellner) Ertz & Diederich (Dillman et al. 2012) Syn.: *Dactylospora frigida* (Diederich et al. 2018)
- ***gelidarium** Etayo & F. Berger (Spribille et al. 2020)
- ***glaucomarioides** (Willey ex Tuck.) Ertz & Diederich Syn.: *Buellia glaucomarioides*, *Leciographa "glaucomarioidea"*, *Dactylospora glaucomarioides* (Diederich et al. 2018)
- ***griseisporodochium** Etayo (Brinker 2020)
- ***inquilinum** (Tuck.) Ertz & Diederich Syn.: *Buellia inquilina*, *Buelliella inquilina*, *Dactylospora inquilina* (Diederich et al. 2018)
- ***lobariellum** (Nyl.) Ertz & Diederich Syn.: *Buelliella nuttallii*, *Dactylospora lobariella* (Diederich et al. 2018)
- ***luridum** (Hafellner) Ertz & Diederich (Harris & Lendemer 2005) Syn.: *Dactylospora lurida*
- ***montagnei** Hafellner (Diederich 2004a)
- ***parasiticum** (Flörke ex Sprengel) Ertz & Diederich Syn.: *Buellia parasitica*, *Leciographa inspersa*, *Sclerophyton occidentale* (Diederich et al. 2018)
- ***parellarium** (Nyl.) Ertz & Diederich Syn.: *Dactylospora parellaria* (Diederich et al. 2018)
- ***pertusariicola** (Willey ex Tuck.) Ertz & Diederich Syn.: *Buellia pertusariicola*, *Dactylospora pertusariicola*, *Leciographa pertusariicola* (Diederich et al. 2018)
- ***pleiospermum** (Triebel) Ertz & Diederich (Hafellner et al. 2002) Syn.: *Dactylospora pleiosperma* (Diederich et al. 2018)
- ***porphyreum** (Hafellner & Kalb) Ertz & Diederich (Etayo & Breuss 1998) Syn.: *Dactylospora porphyrea* (Diederich et al. 2018)
- ***purpurascens** (Triebel) Ertz & Diederich Syn.: *Dactylospora purpurascens* (Diederich et al. 2018)
- ***rhyparizae** (Arnold) Ertz & Diederich (Zhurbenko 2013) Syn.: *Dactylospora rhyparizae* (Diederich et al. 2018)
- ***saxatile** (Schaerer) Ertz & Diederich Syn.: *Buellia saxatilis*, *Buelliella saxatilis*, *Dactylospora saxatilis* (Diederich et al. 2018)
- ***simplex** D. Hawksw. (Cole & Hawksworth 2001)
- ***suburceolatum** (Coppins & Fryday) Ertz & Diederich (McMullin et al. 2017) Syn.: *Dactylospora suburceolata* (Diederich et al. 2018)
- ***toensbergii** Diederich (Diederich & van den Boom 2017)
- ***urceolatum** (Th. Fr.) Ertz & Diederich Syn.: *Buellia urceolata*, *Dactylospora urceolata*, *Leciographa urceolata* (Diederich et al. 2018)
- ***parmeliae** Etayo & Diederich (Kocourková & Knudsen 2009d) = *Cladophialophora parmeliae*

SCLEROPHORA Chevall.

- amabilis** (Tibell) Tibell (Goward et al. 1996)
- coniophaea** (Norman) Mattsson & Middelb. (Goward et al. 1996)
- farinacea** (Chevall.) Chevall.

nivea (Hoffm.) Tibell Syn.: *Coniocybe nivea* (Hoffm.) Arnold non Tuck. & Mont., *C. pallida*
peronella (Ach.) Tibell (Goward et al. 1996)

SCLEROPHYTON Eschw.

elegans Eschw. Syn.: *Chiodecton inscriptum*, *Enterographa elegans* (Sparrius 2004b)
seriale (Ach.) Sparrius (Seavey & Seavey 2014a)
californicum (Tuck.) Hasse = *Schizopelte crustosa*
cerebriforme Egea & Torrente = *Sparria cerebriformis*
inscriptum (Nyl.) Müll. Arg. = *S. elegans*
occidentale Herre = [Sclerococcum parasiticum](#) (Sparrius 2004b, Diederich et al. 2018)

SCOLICIOSPORUM A. Massal.

abietinum T. Sprib. (Spribille et al. 2009)
chlorococcum (Stenh.) Vězda Syn.: *Bacidia chlorococca*
gallurae Vězda (McCune 2017)
intrusum (Th. Fr.) Hafellner Syn.: *Carbonea intrusa* (Hafellner 2004c)
pennsylvanicum R. C. Harris (Harris 2009)
pruinatum (P. James) Vězda (Tønsberg 1997 [1998])
sarothamni (Vainio) Vězda
umbrinum (Ach.) Arnold Syn.: *Bacidia umbrina*, *Biatora umbrina*
umbrinum var. **compacta** (Körber) Vězda

SCULPTOLUMINA Marbach

japonica (Tuck.) Marbach Syn.: *Buellia japonica* (Giralt et al. 2009)

SCUTULA Tul.

circumspecta (Vainio) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: [Bacidia circumspecta](#) (Kistenich et al. 2018)
***cladoniicola** Alstrup & D. Hawksw. (Hansen & Alstrup 1995)
#**dedicata** Triebel, Wedin & Rambold (Triebel et al. 1997)
***epiblastematica** (Wallr.) Rehm (Triebel et al. 1997)
#**heeri** (Hepp.) Trevisan (Spribille et al. 2010) Syn.: *Biatora heeri*
***miliaris** (Wallr.) Trevisan
***stereocaulorum** (Anzi) Körber
***tuberculosa** (Th. Fr.) Rehm (Wedin et al. 2007)

SCYTINIUM (Ach.) Gray (Otálora et al. 2014)

apalachense (Tuck.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema apalachense*, *Leptogium apalachense*
aquale (Arnold) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium aquale*
aragonii (Otálora) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium aragonii*
californicum (Tuck.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium californicum*
callopismum (A. Massal.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema callopismum*, *C. callopismum* var. *rhyarodes*
cellulosum (P. M. Jørg. & Tønsberg) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium cellulosum*
contortum (Sierk) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium contortum*
dactylinum (Tuck.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium dactylinum*
erectum (Sierk) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium erectum*
fragrans (Sm.) Ach. Syn.: *Collema fragrans*, *C. microphyllum*
gelatinosum (With.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium gelatinosum*, *L. scotinum*, *L. sinuatum*
imbricatum (P. M. Jørg.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium imbricatum*
intermedium (Arnold) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium intermedium*
juniperinum (Tuck.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium juniperinum*
kauaiense (H. Magn.) Otálora, P. M. Jørg. & Wedin Syn.: *Collema kauaiense*
lichenoides (L.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium lacerum*, *L. lichenoides*

palmatum (Hudson) Gray Syns.: *Leptogium corniculatum*, L. *palmatum*
parculum (Nyl.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium parculum*
platynum (Tuck.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium platynum*
plicatile (Ach.) Otálora, P. M. Jørg. & Wedin Syns.: *Collema plicatile*, *Leptogium microdium*, L. *plicatile*
polycarpum (P. M. Jørg. & Goward) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium polycarpum*
pulvinatum (Hoffm.) Otálora, P. M. Jørg. & Wedin (McCune et al. 2014b)
quadrifidum (D. F. Stone & McCune) Košuth. & Wedin Syns.: *Collema quadrifidum*, *Rostania quadrifida* (Košuthová et al. 2019)
rivale (Tuck.) Otálora, P. M. Jørg. & Wedin Syns.: *Leptogium rivale*, *Polychidium rivale*
schraderi (Bernh.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium schraderi*
singulare T. Carlberg & P. M. Jørg. (Carlberg et al. 2016)
siskiyouensis (D. F. Stone & Ruchty) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium siskiyouensis*
subaridum (P. M. Jørg. & Goward) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium subaridum*
subtile (Schrader) Otálora, P. M. Jørg. & Wedin Syns.: *Leptogium minutissium*, L. *perminutum*, L. *subtile*
tacomae (P. M. Jørg. & Tønsberg) McCune (McCune et al. 2014b) Syn.: *Leptogium tacomae*
tenuissimum (Dickson) Otálora, P. M. Jørg. & Wedin Syns.: *Leptogium lividofuscum*, L. *tenuissimum*
teretiusculum (Wallr.) Otálora, P. M. Jørg. & Wedin Syns.: *Leptogium intricatulum*, L. *teretiusculum*
turgidum (Ach.) Otálora, P. M. Jørg. & Wedin Syn.: *Leptogium turgidum*

SECOLIGA Norman = GYALECTA

arceutina (Ach.) Stizenb. (Tuckerman 1888) = *Bacidia arceutina*
atrosanguinea (Hepp) Stizenb. (Tuckerman 1888) = *Bacidia incompta*, a misidentification for N.A.
beckhausii (Körber) Stizenb. (Tuckerman 1888) = *Bacidia beckhausii*
carneoluteola (Tuck.) Müll. Arg. (Fink 1935) = *Cryptolechia carneoluteola* (Tuck.) Kalb Probable misidentification for North America (Esslinger & Tucker 2009)
geoica (Wahlenb. ex Ach.) Körber = *Gyalecta geoica*

SEGESTRIA Fr. (Harris 1995a)

lectissima Fr. Syn.: *Porina lectissima* (Harris 1995a)
leptalea (Durieu & Mont.) R. C. Harris Syn.: *Porina leptalea* (Harris 1995a)
mammillosa Th. Fr. Syn.: *Porina mammillosa* (Harris 1995a)
octomera (Müll. Arg.) R. C. Harris (Harris 1995a)
rubentior (Stirton) R. C. Harris (Harris 1995a)
nucula Fr. (Mohr 1901) = *Porina nucula*

SEIROPHORA Poelt (Frödén & Lassen 2004)

aurantiaca (R. Br.) Frödén Syn.: *Teloschistes arcticus* (Frödén & Lassen 2004)
californica (Sipman) Frödén Syn.: *Teloschistes californicus*
contortuplicata (Ach.) Frödén Syn.: *Teloschistes contortuplicatus*

SIGRIDEA Tehler

californica (Tuck.) Tehler Syns.: *Dirina californica*, *D. hassei*, *Platygrapha californica*, *Schismatomma californicum*

SILOBIA M. Westb. & Wedin (Westberg et al. 2011a) = MYRIOSPORA Nägeli ex Uloth (Arcadia & Knudsen 2012)

hassei (Herre) K. Knudsen (Knudsen 2011b) = *Myriospora hassei* (Arcadia & Knudsen 2012)
rhagadiza (Nyl.) M. Westb. (Westberg et al. 2011a) = *Myriospora rhagadiza* (Arcadia & Knudsen 2012)
scabrida (H. Magn.) M. Westb. (Westberg et al. 2011a) = *Myriospora scabrida* (Arcadia & Knudsen 2012)

smaragdula (Wahlenb.) M. Westb. & Wedin (Westberg et al. 2011a) = *Myriospora smaragdula* (Arcadia & Knudsen 2012)

SINUICELLA D. F. Stone, McCune & Miadl. (Stone et al. 2021)
denisonii D. F. Stone, McCune & Miadl.

SIPHULA Fr.

ceratites (Wahlenb.) Fr.

dactyliza Nyl. Placement uncertain, possibly a *Stereocaulon* sp. (Kantvilas 2002)
simplex (Taylor) Nyl. = *S. ceratites*

SKYTTEA Sherwood, D. Hawksw. & Coppins

***caesii** Diederich & Etayo (Diederich & Etayo 2000)

***cismonicae** Hafellner (Hafellner 2000)

***dacampiae** Zhurb. (Zhurbenko 2013)

***elachistophora** (Nyl.) Sherwood & D. Hawksw.

***graphidicola** Diederich, Common & Suija (Diederich et al. 2019)

***gregaria** Sherwood, D. Hawksw. & Coppins (Diederich & Etayo 2000)

***insignis** Driscoll, S. R. Clayden & R. C. Harris (Driscoll et al. 2016)

***lecanorae** Diederich & Etayo (Diederich & Etayo 2000)

***mayrhoferi** Diederich & Etayo (Diederich & Etayo 2000)

***nitschkei** (Körber) Sherwood, D. Hawksw. & Coppins (Diederich & Etayo 2000)

***pertusariicola** Diederich & Etayo (Diederich & Etayo 2004b)

***radiatilis** (Tuck.) R. Sant., Etayo & Diederich (Diederich & Etayo 2000)

***richardsonii** Iturr. & D. Hawksw. (Iturriaga & Hawksworth 2004)

***tavaresae** R. Sant., Etayo & Diederich (Diederich & Etayo 2000)

***tephromelarum** Kalb & Hafellner (Diederich & Etayo 2004b)

SKYTTELLA D. Hawksw. & R. Sant.

***mulleri** (Willey) D. Hawksw. & R. Sant.

SOLENOPSIS A. Massal.

candicans (Dickson) J. Steiner

cladonioides B. D. Ryan & Timdal (Ryan & Timdal 2002, 2011)

crenata (Herre) Zahlbr.

cyathiformis (Szatala) van den Boom Syn.: *Lecania cyathiformis* (van den Boom & Ryan 2004b)

holophaea (Mont.) Samp. Syn.: *Lecanora holophaea*, *Candelariella holophaea*

hassei (Zahlbr.) Zahlbr. = *Lecania hassei* (Zahlbr.) W. Noble

SOLITARIA Arup, Søchting & Frödén (Arup et al. 2013)

chrysophthalma (Degel.) Arup, Søchting & Frödén Syn.: *Caloplaca chrysophthalma*

SOLORINA Ach.

bispora Nyl.

bispora var. **subspungiosa** (Zschacke) Frey (Zhurbenko et al. 2006)

crocea (L.) Ach.

monospora Gyelnik (McCune et al. 2014b)

octospora (Arnold) Arnold

saccata (L.) Ach.

spongiosa (Ach.) Anzi

saccata (L.) Ach. var. **spongiosa** (Ach.) Nyl. (Tuckerman 1882) = *Solorina spongiosa*

SOLORINARIA (Vainio) Gyelnik

despreauxii (Mont.) Fink = *Heppia despreauxii*

SOLORINELLA Anzi = GYALIDEA (Aptroot & Lücking 2003)
asteriscus Anzi = Gyalidea asteriscus (Aptroot & Lücking 2003)

SPARRIA Ertz & Tehler (Ertz & Tehler 2011)
cerebriformis (Egea & Torrente) Ertz & Tehler Syn.: Llimonaea cerebriformis, Sclerophyton cerebriforme

SPEERSCHNEIDERA Trevisan
euploca (Tuck.) Trevisan Syn.: Teloschistes euplocus

SPHAERELLOTHECIUM Zopf

- ***abditum** Triebel
- ***araneosum** (Rehm ex Arnold) Zopf
- ***atryneae** (Arnold) Cl. Roux & Triebel (Hafellner et al. 2002)
- ***breussii** K. Knudsen, Kocourk. & Etayo (Knudsen, Kocourková & Etayo 2009)
- ***cladoniae** (Alstrup & Zhurb.) Hafellner (Knudsen & Kocourková 2010b)
- ***cladoniicola** E. S. Hansen & Alstrup (Hansen & Alstrup 1995)
- ***coniodes** (Nyl.) Cl. Roux & Diederich (Hodkinson et al. 2009)
- ***contextum** Triebel
- #**gowardii** Alstrup & M. S. Cole (Alstrup & Cole 1998)
- ***minutum** Hafellners
- ***parmeliae** Diederich & Etayo (Diederich 2003)
- ***propinquellum** (Nyl.) Cl. Roux & Triebel Syn.: Stigmatidium congestum (for North America)
- ***pumilum** (Lettau) Nav.-Ros., Cl. Roux & Hafellner Syn.: Stigmatidium pumilum (Diederich et al. 2018)
- ***reticulatum** (Zopf) Etayo Syn.: Echinothecium reticulatum (Kocourková et al. 2008)
- ***siphulae** Zhurb. (Motiejunata et al. 2019)
- ***stereocaulorum** Zhurb. & Triebel (Zhurbenko 2010)
- ***thamniae** Zhurb. (Zhurbenko 2012)
- ***araneosum** var. **cladoniae** Alstrup & Zhurb. (Zhurbenko & Alstrup 2004) = *S. cladoniae*

SPHAERIA Haller = HYPOXYLON
bigoniae Schwein. = Granulopyrenis hymnothora

SPHAEROPEZIA Sacc. (Baloch et al. 2013b)

- ***bryoriae** (Diederich & Etayo) Baloch & Wedin Syn.: Odontotrema intermedia
- ***cucularis** (Norman) Baloch & Wedin Syn.: Lethariicola cucularis
- ***intermedia** (Diederich, Zhurb. & Etayo) Baloch & Wedin Syn.: Odontotrema intermedium
- ***lecanorae** (Diederich & G. Marson) Baloch & Wedin Syn.: Odontotrema lecanorae
- ***melaneliae** (Diederich & Zhurb.) Baloch, Gilenstam & Wedin Syn.: Odontotrema melaneliae
- ***mycoblasti** Diederich, Baloch & Wedin (Baloch et al. 2013b)
- ***ochrolechia** (Diederich, Holien & Zhurb.) Baloch & Wedin Syn.: Odontotrema ochrolechia
- ***santessonii** (Zhurb., Etayo & Diederich) Baloch & Wedin Syn.: Odontotrema santessonii
- ***sipei** (Grummann) Baloch & Wedin Syn.: Lethariicola sipei, Odontotrema sipei
- ***thamniae** (Zhurb., Diederich & Etayo) Baloch & Wedin Syn.: Odontotrema thamniae

SPHAEROPHORUS Pers.

- fragilis** (L.) Pers.
- globosus** (Hudson) Vainio
- tuckermanii** Räsänen (Wedin et al. 2009)
- venerabilis** Wedin, Högnabba & Goward (Wedin et al. 2009)
- globiferus (L.) D.C. var. **gracilis** Müll. Arg. = *S. tuckermanii* (Wedin et al. 2009)
- globosus var. **gracilis** auct. = *S. tuckermanii*
- melanocarpus (Sw.) DC. = *Bunodophoron melanocarpus*

SPHAERULINA Sacc.

***dolichotera** (Nyl.) Vouax (Esslinger & Egan 1995)

SPHINCTRINA Fr.

***anglica** Nyl. Syn.: Mycocalicium microcephalum, Calicium microcephalum

***benmargana** Selva (Selva 2004)

***leucopoda** Nyl.

***pallidella** (Willey) Selva (Selva 2004)

***tubaeformis** A. Massal.

***turbinata** (Pers. : Fr.) De Not. Syn.: Calicium turbinatum

***gelasinata** (With.) Zahlbr. (Fink 1935) = S. turbinata (Santesson et al. 2004)

***microcephala** (Sm.) Körber = S. anglica

***microcephala** Nyl. = S. tubaeformis

SPHINCTRINELLA Nád. = MYCOCALICIUM

calicioides Nád. = Mycocalicium calicioides

SPILONEMA Bornet

americanum (Henssen & Tønsberg) T. Sprib., Muggia & Tønsberg Syn.: Spilonemella americana (Spribille et al. 2014b)

maritimum T. Sprib. & Fryday (Spribille et al. 2020)

paradoxum Bornet

revertens Nyl.

dendroides Henssen = Erinacellus dendroides (Henssen) T. Sprib., Muggia & Tønsberg (Spribille et al. 2014b)

SPILONEMELLA Henssen & Tønsberg (Henssen & Tønsberg 2000)

americana Henssen & Tønsberg = Spilonema americanum (Spribille et al. 2014b)

SPIROGRAPHA Zahlbr.

***fusisporella** (Nyl.) Zahlbr. (Alstrup & Cole 1998)

***pyramidalis** (Etayo) Flakus, Etayo & Miadlikowska Syn.: Asteroglobulus pyramidalis, Cornutispora pyramidalis (Flakus et al. 2019)

SPORASTATIA A. Massal.

polyspora (Nyl.) Grumann

testudinea (Ach.) A. Massal. Syn.: Biatorella kulshanensis, B. testudinea

cinerea (Schaerer) Körber = S. polyspora

SPORODICTYON A. Massal.

cruentum (Körber) Körber Syn.: Polyblastia cruenta (Fryday 2006, Savić & Tibell 2009, Spribille et al. 2010)

minutum Savić & Tibell (McCune et al. 2014b)

schaererianum A. Massal. (Hafellner 2010)

terrestre (Th. Fr.) Savić & Tibell Syn.: Polyblastia terrestris (Savić & Tibell 2009), Verrucaria obtenta (Dillman et al. 2012)

SPORODOPHORON Frisch, Y. Ohmura, Ertz & G. Thor (Frisch et al. 2015)

americanum (Lendemer, E. Tripp & R. C. Harris) Ertz & Frisch (Frisch et al. 2015)

SPOROPIDIUM Mont.

marginatum Lücking & Lumbsch (Lücking et al. 2011b)

phyllocharis (Mont.) A. Massal. Syn.: Heterothecium phyllocharis

SPOROSTIGMA Grube

melasporum (Tuck.) Grube Syn. Arthonia melaspora (Grube 2001)

SQUAMARINA Poelt

cartilaginea (With.) P. James
lentigera (Weber) Poelt Syn.: *Lecanora lentigera*
crassa (Hudson) Poelt = *S. cartilaginea*
degelii Poelt = *Lecanora neodegelii*

SQUAMULEA Arup, Søchting & Frödén (Arup et al. 2013)

galactophylla (Tuck.) Arup, Søchting & Frödén Syns.: *Caloplaca galactophylla*, *Placodium galactophylla*
parviloba (Wetmore) Arup, Søchting & Frödén Syn.: *Caloplaca parviloba*
squamosa (B. de Lesd.) Arup, Søchting & Frödén Syn.: *Caloplaca squamosa*
subsoluta (Nyl.) Arup, Søchting & Frödén Syns.: *Caloplaca irrubescens*, *C. modesta*, *C. subsoluta*

STAUROLEMMMA Körber

carolinianum P. M. Jørg. (Jørgensen 2004)

STAUROTHELE Norman

arctica Lyngé
areolata (Ach.) Lettau
bacilligera (Arnold) Arnold (Lendemer 2008)
clopimoides (Bagl. & Carestia) J. Steiner
discedens (Nyl.) Zahlbr.
drummondii (Tuck.) Tuck. Syns: *Endocarpon drummondii*, *E. wilmsoides*
effigurata J. W. Thomson
elenkinii Oxner
fissa (Taylor) Zwackh
frustulenta Vainio (McCune et al. 2014b)
guestphalica (Lahm ex Körber) Arnold (Lendemer 2008)
lecideoides B. de Lesd.
monicae (Zahlbr.) Wetmore Syn.: *Endocarpon monicae*
nemorum C. A. Morse & Ladd (Morse & Ladd 2019)
orispruinosa J. W. Thomson
polygonia B. de Lesd.
pulvinata (Th Fr.) Heiðmarsson (Heiðmarsson et al. 2017) Syns.: *Endocarpon pulvinatum*, *E. tortuosum*, *Pyrenothamnia brandegei*, *P. spraguei*, *Staurothele brandegei*
rufa (A. Massal.) Zschacke (McCune 2017)
rugosa J. W. Thomson
rupifraga (A. Massal.) Arnold Syn. : *Verrucaria terebrata*
septentrionalis Lyngé (Spribille et al. 2020)
succedens (Rehm) Arnold (Spribille et al. 2020)
verruculosa J. W. Thomson
ambrosiana (A. Massal.) Zschacke = *S. drummondii* for North American records
brandegei Tuck. (Tuckerman 1888) = *Staurothele pulvinata*
circinata Tuck. = *S. fissa*
catalepta auct. N. Am. = mostly *S. monicae*
clopima (Wahlenb.) Th. Fr. [epithet to be proposed for rejection under I.C.B.N. Art.69 (Thomson 1991)] = *S. drummondii*
diffractella (Nyl.) Tuck. = *Willeya diffractella*
fuscocuprea (Nyl.) Zschacke = *S. drummondii*
glacialis Herre = *S. fissa*
hazlinskyi (Körber) J. Steiner = *S. fissa*
hymenogonia (Nyl.) Th. Fr. = *S. discedens* for North American records
perradiata Lyngé = *S. drummondii*
sessilis H. Magn. = *S. elenkinii*

succedens (Rehm) Arnold = *S. drummondii* for North American record
tenuissima Degel. = *Endocarpon tenuissimum*
umbrina (Wahlenb.) Hellb. = *S. fissa*

STEGOBOLUS Mont.

aubertianus (Mont.) A. Frisch & Kalb Syns.: *Leptotrema auberianum*, *Ocellularia auberiana* (Frisch & Kalb 2006), *Thelotrema auberianum*
emersus (Kremp.) Frisch & Kalb = *Rhabdodiscus emersus* (Rivas Plata et al. 2012)
granulosus (Tuck.) A. Frisch = *Rhabdodiscus granulosus* (Rivas Plata et al. 2012)

STEINEROPSIS T. Sprib. & Muggia (Spribille et al. 2010)

alaskana T. Sprib. & Muggia (Spribille et al. 2010)

laceratula (Hue) T. Sprib. & S. Ekman Syns.: *Fuscopannaria laceratula*, *Pannaria laceratula* (Spribille et al. 2020)

STEINIA Körber

geophana (Nyl.) Stein Syns.: *Lecidea geophana*, *Biatora geophana*, *Biatorella geophana*

STENOCYBE (Nyl.) Körber

+**clavata** Tibell

+**flexuosa** Selva & Tibell (Selva & Tibell 1999)

+**fragmenta** E. B. Peterson & Rikkinen (Peterson & Rikkinen 1998)

+**major** Nyl. ex Körber

+**pullatula** (Ach.) Stein

+**byssacea** (Fr.) Körber = *S. pullatula*

+**euspora** (Nyl.) Anzi = (?) *S. major*

+**minutissima** (G. Merr.) Zahlbr. = *Phaeocalicium minutissimum*

+**tremulicola** Norrlin ex Nyl. = *Phaeocalicium tremulicola*

STEREOCAULON Hoffm.

alpestre (Flotow) Domb. (Oset 2014)

alpinum Laurer ex Funck

apocalypticum Nyl

arcticum Lyngé

arenarium (Savicz) I. M. Lamb

areolatum McCune, E. DiMeglio & Tønsberg (McCune et al. 2019)

botryosum Ach.

capitellatum H. Magn.

cephalocrustatum McCune, E. DiMeglio & Tønsberg (McCune et al. 2019)

condensatum Hoffm.

coniophyllum I. M. Lamb

dactylophyllum Flörke

dactylophyllum var. **occidentale** (H. Magn.) I. M. Lamb

depreaultii Delise ex Nyl.

depressum (Frey) I. M. Lamb (Zhurbenko et al 2006)

fecundum McCune, E. DiMeglio & Tønsberg (McCune et al. 2019)

glareosum (Savicz) H. Magn.

glaucescens Tuck.

glaucescens var. **caespitosulum** (Nyl.) I. M. Lamb

grande (H. Magn.) H. Magn.

groenlandicum (E. Dahl) I. M. Lamb

hypothallinum McCune, E. DiMeglio & Tønsberg (McCune et al. 2019)

incrustatum Flörke

intermedium (Savicz) H. Magn.

klondikense T. Sprib. (Spribille et al. 2010)

leucophaeopsis (Nyl.) P. James & Purvis (Fryday 2010)

leprocephalum Vainio
microcarpum Müll. Arg.
myriocarpum Th. Fr.
nanodes Tuck.
nivale (Follmann) Fryday Syn.: *Bacidia nivalis* (Fryday & Glew 2003)
octomerum Müll. Arg.
oregonense McCune, E. DiMeglio & Tønsberg (McCune et al. 2019)
paschale (L.) Hoffm.
pileatum Ach.
plicatile (Leighton) Fryday & Coppins (Fryday 2006)
procrastinata E. B. Peterson (Peterson 2021)
rivulorum H. Magn.
sasakii Zahlbr. var. **simplex** (Riddle) I. M. Lamb
sasakii var. **tomentosoides** I. M. Lamb
saviczii Du Rietz
saxatile H. Magn.
spathuliferum Vainio
sterile (Savicz) I. M. Lamb ex Krog
subcoralloides (Nyl.) Nyl.
subdenudatum Hav. (Spribille et al. 2010)
symphycheilum I. M. Lamb
taeniarum (H. Magn.) Kivistö (Kivistö 1998)
tennesseense H. Magn. ex Degel.
tennesseense H. Magn. ex Degel. var. **nigrofastigiatum** I. M. Lamb
tomentosum Fr.
tornense (H. Magn.) P. James & Purvis (McCune 2017)
vesuvianum Pers.
 albicans Th. Fr. = *Lepraria albicans*
 arbuscula Nyl. = *Lepraria arbuscula*
 coralloides Fr. = *S. dactylophyllum*
 denudatum Flörke = *S. vesuvianum*
 evolutoides (H. Magn.) Frey = *S. saxatile*
 microscopicum (Vill.) Frey = *Leprocaulon quisquiliare*, but N.A. records are *L. americanum*
 pseudoarbuscula Asahina = *Lepraria subalbicans* for North American records
 quisquiliare (Leers) Hoffm. = *Leprocaulon quisquiliare*, but N.A. records are *L. americanum*
 ramulosum Raeschel = not in North America north of Mexico
 subalbicans I. M. Lamb = *Lepraria subalbicans*
 tomentosum Fr. var. *alpestre* Flotow = *S. alpestre* (Oset 2014)
 tomentosum var. *alpinum* (Laurer) Th. Fr. (Tuckerman 1882) = *Stereocaulon alpinum*
 wrightii Tuck. (Tuckerman 1882) Described from Siberia, not known from N.A (Lamb 1977)
 uliginosum I. M. Lamb Known from Greenland but not from the United States or Canada.
 wrightii Tuck. = not in North America

STICTA (Schreber) Ach.

arctica Degel.
beauvoisii Delise
canariensis (Bory) Bory ex Delise
carolinensis T. McDonald (McDonald et al. 2003)
deyana Lendemer & Goffinet (Lendemer & Goffinet 2015)
fragilinata T. McDonald (McDonald et al. 2003)
fuliginosa (Hoffm.) Ach.
leucoblephara (Müll. Arg.) D. J. Galloway (Galloway & Thomas 2004)
limbata (Sm.) Ach.
rhizinata Moncada & Lücking (Spribille et al. 2020)
sylvatica (Hudson) Ach.
torii Simon & Goward (Simon et al. 2018)

xanthotropa (Kremp.) D. J. Galloway (Galloway & Thomas 2004)
 amplissima (Scop.) Rabenh. (Fink 1935) = *Ricasolia amplissima*
 anthraspis Ach. = *Lobaria anthraspis*
 aurata Ach. = *Crocodia aurata*
 crocata (L.) Ach. = *Pseudocyphellaria crocata*, but misidentifications for North America
 crocata var. mallota Tuck (Tuckerman 1882) = *Pseudocyphellaria mallota*
 drummondii Taylor = *Nephroma resupinatum*
 erosa (Eschw.) Tuck. = ***Emmanuelia erosa*** (Simon et al. 2020)
 glomerulifera (Hoffm.) Delise (Tuckerman 1882) Identity uncertain
 glomulifera (Lightf.) Delise = *Ricasolia amplissima*
 hallii Tuck. = *Lobaria hallii*
 herbacea (Hudson) Ach. = misidentification for North America
 laciniata Ach. = misidentification for North America
 limitata Ach. = *Lobaria limitata*
 oregana Tuck. = *Lobaria oregana*
 oroborealis Goward & Tønsberg (Tønsberg & Goward 2001) = *Dendriscosticta oroborealis*
 (Moncada et al. 2013)
 pulmonaria (L.) Biroli = *Lobaria pulmonaria*
 pulmonaria var. hypomela (Delise) Duby (Tuckerman 1882) = *Lobaria pulmonaria*
 pulmonaria var. limitata Nyl. (Tuckerman 1882) = *Lobaria limitata*
 quercizans (Michaux) Ach. (Fink 1935) = *Ricasolia quercizans*
 ravenelii Tuck. (Tuckerman 1882) = ***Emmanuelia ravenelii*** (Simon et al. 2020)
 scrobiculata (Scop.) Ach. (Tuckerman 1882) = *Lobaria scrobiculata*
 verrucosa (Hudson) Fink = *Lobaria scrobiculata*
 weigeli (Ach.) Vainio = misidentification for North America
 wrightii Tuck. = *Dendriscosticta wrightii* (Moncada et al. 2013)

STICTIS Pers.: Fr.

urceolatum (Ach.) Gilenstam Syn.: *Conotrema urceolatum* (Wedin et al. 2005)

STIGMATOCHROMA Marbach

gerontoides (Stirton) Marbach (Seavey et al. 2017)

STIGMIDIUM Trevisan

- ***beringicum** Zhurb. & Triebel (Zhurbenko 2010)
- ***californicum** K. Knudsen & Kocourk. (Knudsen & Kocourková 2010f)
- ***cerinae** Cl. Roux & Triebel (Cole & D. Hawksworth 2001)
- ***congestum** (Körber) Triebel (Driscoll et al. 2016) An earlier N.A. report was based on *Sphaerellothecium propinquellum* (Esslinger & Egan 1995)
- ***conspurcans** (Th. Fr.) Triebel & R. Sant. (Spribille et al. 2010)
- ***croceae** (Arnold) Cl. Roux & Triebel (Zhurbenko & Daniëls 2003)
- ***ephebes** (Henssen) D. Hawksw. Syn.: *Pharcidia ephebes* (Henssen) D. Hawksw.
- ***epistigmellum** (Nyl. ex Vouaux) Kocourk. & K. Knudsen (Kocourková & Knudsen 2009c)
- ***epixanthum** Hafellner (Hafellner et al. 2002)
- ***frigidum** (Sacc.) Alstrup & D. Hawksw.
- ***fuscatae** (Arnold) R. Sant.
- ***glebarum** (Arnold) Hafellner (Etayo & Breuss 1998)
- ***gyrophorarum** (Arnold) D. Hawksw. (Hafellner et al. 2002)
- ***hesperium** Kocourk., K. Knudsen, & Diederich (Kocourková & Knudsen 2009b)
- ***lendemerii** Kocourk. & K. Knudsen (Kocourková et al. 2012, Kocourková & Knudsen 2012)
- ***leprariae** Zhurb. (Haldeman 2020)
- ***marinum** (Deakin) Swinscow
- ***microcarpum** Alstrup & J. C. David (Zhurbenko 2009b)
- ***mitchellii** Cl. Roux & Bricaud (Zhurbenko 2013)
- ***mycobilimbiae** Cl. Roux, Triebel & Etayo (Diederich 2003)
- ***parvum** (Henssen) Diederich (Diederich et al. 2018)

- ***peltideae** (Vainio) R. Sant. (Alstrup & Cole 1998)
- ***pseudopeltideae** Cl. Roux & Triebel (Diederich 2003; Zhurbenko & Laursen 2003)
- ***psorae** (Anzi) Hafellner
- ***ramalinae** (Müll. Arg.) Etayo & Diederich (Kocourková et al. 2010)
- ***rouxianum** Calat. & Triebel (Kocourková & Knudsen 2018)
- ***schaereri** (A. Massal.) Trevisan (Reinstated for N.Am. by Henssen 1995)
- ***solorinarium** (Vainio) D. Hawksw. (Zhurbenko 2009a)
- ***squamariae** (B. de Lesd.) Cl. Roux & Triebel
- ***stygospilum** (Minks) R. Sant. (McCune et al. 2014b)
- ***tabacinae** (Arnold) Triebel
- ***xanthoparmeliarum** Hafellner (Kocourková & Knudsen 2008)
- ***atryneae** (Arnold) Hafellner = *Sphaerellothecium atryneae*, but North American specimens are *Stigmidium squamariae*
- ***pumilum** (Lettau) Matzer & Hafellner (Cole & D. Hawksworth 2001) = *Sphaerellothecium pumilum*
- ***schaereri** (A. Massal.) Trevisan = misidentification for North America

STIRTONIA A. L. Sm.

- alba** Groenh. ex Makhija & Patw. (Seavey et al. 2017)
- byssoides** F. Seavey & J. Seavey (Seavey & Seavey 2015)
- coei** F. Seavey & J. Seavey (Seavey & Seavey 2015)
- divaricata** F. Seavey & J. Seavey (Seavey et al. 2017)
- dubia** A. L. Smith (Lücking et al. 2011b)
- latispora** F. Seavey & J. Seavey (Seavey & Seavey 2015)
- macrocarpa** Makhija & Patw. (Lücking et al. 2011b)
- punctiformis** Aptroot & Sipman (Perlmutter et al. 2018)

STRANGOSPORA Körber

- cyphalea** (Tuck.) C. A. Morse & Lendemer (Morse & Lendemer 2019) Syn.: *Biatora cyphalea*, *Biatorella cyphalea*
- deplanata** (Almq.) Clauz. & Cl. Roux (Knudsen 2007c)
- microhaema** (Norman) R. A. Anderson Syn.: *Biatorella microhaema*
- moriformis** (Ach.) Stein Syn.: *Biatora moriformis*, *Biatorella moriformis*
- pinicola** (A. Massal.) Körber
- ochrophora** (Nyl.) R. A. Anderson = *Piccolia ochrophora*

STRIGULA Fr.

- americana** R. C. Harris Syn.: *Arthopyrenia tenuis*
- bermudana** (Nyl.) R. C. Harris (Harris 1995a)
- connivens** R. C. Harris (Harris 1995a)
- ***graphidicola** Diederich & Common (Diederich et al. 2019)
- griseonitens** R. C. Harris (Harris 1995a)
- hypothallina** R. C. Harris (Harris 1995a)
- jamesii** (Swinscow) R. C. Harris Syn.: *Arthopyrenia affinis* auct.
- laceribracae** R. C. Harris (Harris 1995a)
- nitidula** Mont.
- orbicularis** Fr. (Lücking et al. 2011b)
- ***perparvula** Diederich & Common (Diederich et al. 2019)
- phaea** (Ach.) R. C. Harris
- schizospora** R. Sant. (Lücking et al. 2011b)
- smaragdula** Fr. : Fr. (Harris 1995a)
- stigmatella** (Ach.) R. C. Harris Syn.: *Arthopyrenia faginea*, *Porina cinerea*, *P. faginea*
- subelegans** Vainio (Harris 1995a)
- submuriformis** (R. C. Harris) R. C. Harris Syn.: *Arthopyrenia submuriformis*
- viridiseda** (Nyl.) R. C. Harris Syn.: *Porina viridiseda*
- wilsonii** (Riddle) R. C. Harris

affinis (A. Massal.) R. C. Harris = *S. jamesii* for North American records
complanata (Fée) Mont. = *S. orbicularis* (Lücking 2008)
elegans (Fée) Müll. Arg. = *S. smaragdula* (Harris 1995a)
sychnognioides (Nitschke) R. C. Harris = *Geisleria sychnognioides*

STROMATELLA Henssen

bermudana (Riddle) Henssen (Schultz 2002e)

SULCARIA Bystrek

badia Brodo & D. Hawksw.

isidiifera Brodo

spiralifera (Brodo & D. Hawksw.) Myllys, Velmala & Goward (Myllys et al. 2014) Syns.:
Bryoria pseudocapillaris, *B. spiralifera*

SULCOPYRENULA H. Harada

canellae-albae (Fée) H. Harada Syn.: *Anthracothecium canellae-albae* (Harada 1999)

staurospora (Tuck.) H. Harada Syn.: *Anthracothecium staurosporium* (Harada 1999)

subglobosa (Riddle) Aptroot (Aptroot 2012)

SYNALISSA Fr.

matogrossensis (Malme) Henssen (Schultz 2002f)

ramulosa (Hoffm.) Fr. Syn.: *Omphalaria symphorea* (McCune et al. 2014b)

melambola Tuck. = *Metamelanea melambola*

symphorea (Ach.) Nyl. = *S. ramulosa* (McCune et al. 2014b)

subnigra (B. de Lesd.) Henssen = *Peccania subnigra*

texana Tuck. = *Peccania texana*

SYNARTHONIA Müll. Arg. (Van den Broeck et al. 2018)

***hodgesii** (Lendemer & R. C. Harris) Van den Broeck & Ertz Syn.: *Arthonia hodgesii*

SYNCESIA Taylor (Tehler 1996)

byssina (Vainio) Tehler

depressa (Fée) Tehler

graphica (Fr.) Tehler Syn.: *Chiodecton perplexum*

psaroleuca (Nyl.) Tehler

SYNECHOBLASTUS Trevisan = COLLEMA

aggregatus ("Ach.") Th. Fr. = *Gabura fasciculare*

coccophorus (Tuck.) Fink (Fink 1935) = *Enchylium coccophorum*

cyrtaspis (Tuck.) Fink (Fink 1935) = *Enchylium conglomeratum* (var. *crassiusculum*, Degelius 1974)

fascicularis (L.) A. L. Smith (Fink 1935) = *Gabura fasciculare*

laciniatus (Nyl.) Fink (Fink 1935) = *Collema texanum* (Degelius 1974)

leptaleus (Tuck.) Fink (Fink 1935) = *Collema leptaleum*

leucocarpus (Hooker f. & Taylor) Müll. Arg. (Fink 1935) = *Collema leucocarpum* Hooker f. & Taylor, misidentification for North America (Degelius 1974)

microptychius (Tuck.) Fink (Fink 1935) = *Collema leptaleum* (Degelius 1974)

nigrescens (Hudson) Trevisan (Fink 1935) = *Collema nigrescens*

ohioensis Fink (Fink 1935) = *Enchylium conglomeratum* (Degelius 1974)

ryssoleus (Tuck.) Fink (Fink 1935) = *Collema ryssoleum*

polycarpus (Hoffm.) Dalla Torre & Sarnth. = *Enchylium polycarpon*

pyncocarpus Nyl. = *Enchylium conglomeratum* (var. *crassiusculum*, Degelius 1974)

rupestris (Sw.) Trevisan = *Collema flaccidum*

texanus (Tuck.) Müll. Arg. = *Collema texanum*

wyomingensis Fink = *Enchylium polycarpon*

SYZYGOSPORA G. W. Martin (Diederich 1996)

***bachmannii** Diederich & M. S. Christ. (Diederich 1996) = *Heterocephalacria bachmannii* (Diederich et al. 2018)

***physciacearum** Diederich (Diederich 1996) = *Heterocephalacria physciacearum* (Diederich et al. 2018)

SZCZAWINSKIA A. Funk

leucopoda Holien & Tønsberg (Holien & Tønsberg 2002)

tsugae A. Funk Syn.: *Micarea clavopycnidata* (Aptroot et al. 1997)

TAENIOLELLA S. Hughes

***caespitosa** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001)

***christiansenii** Alstrup & D. Hawksw. (Zhurbenko & Daniëls 2003)

***cladinicola** Alstrup (Seaward et al. 2017)

***delicata** M. S. Christ. & D. Hawksw. (Diederich 2003)

***friesii** (Hepp) Hafellner (Heuchert et al. 2018)

***hawksworthiana** Heuchert, Ertz & Common (Heuckert et al. 2018)

***pertusariicola** D. Hawksw. & H. Mayrhofer (McMullin et al. 2017)

***phaeophysciae** D. Hawksw. (Diederich 2003)

***rolfii** Diederich & Zhurb. (Diederich & Zhurbenko 2001)

***serusiauxii** Diederich (Diederich 2003)

***toruloides** Heuchert & Diederich (Haldeman 2020)

***beschiana** Diederich (Zhurbenko & Alstrup 2004) = *Talpapellis beschiana*

***laevistipitata** M. S. Cole & D. Hawksw. (Cole & Hawksworth 2001) = *Corynespora laevistipitata*

TALPAPELLIS Alstrup & M. S. Cole

***beschiana** (Diederich) Zhurb., U. Braun, Diederich & Heuchert (Heuchert et al. 2018)

***graphidis** Heuchert, Common, U. Braun & Diederich (Diederich et al. 2019)

***peltigerae** Alstrup & M. S. Cole (Alstrup & Cole 1998)

TAPELLARIA Müll. Arg.

albomarginata Lücking (Lücking et al. 2011b)

epiphylla (Müll. Arg.) R. Sant. Syn.: *Lopadium phyllocharis*

floridensis Common & Lücking (Lücking et al. 2011b)

granulosa Lücking & Rivas Plata (Lücking et al. 2011b)

malmei R. Sant. (Lücking et al. 2011b)

nana (Fée) R. Sant.

bilimbioides R. Sant. Report based on *T. albomarginata* (Lücking et al. 2011b)

TELOSCHISTES Norman

chrysophthalmus (L.) Th. Fr.

exilis (Michaux) Vainio

flavicans (Sw.) Norman

arcticus Zahlbr. = *Seiophora aurantiaca*

californicus Sipman = *Seiophora californica*

candelarius (L.) Fink = *Polycauliona candelaria*

concolor (Dickson) Tuck. = *Candelaria concolor*

concolor var. **effusa** Tuck. (Tuckerman 1882) = *Candelaria concolor*

contortuplicatus (Ach.) Clauzade & Rondon = *Seiophora contortuplicata*

euplocus (Tuck.) Zahlbr. = *Speerschneidera euploca*

lychneus (Ach.) Tuck. = *Polycauliona candelaria*

lychneus var. **pygmaeus** Tuck. (Tuckerman 1882) = *Polycauliona candelaria*

parietinus (L.) Norman = *Xanthoria parietina*

polycarpus (Hoffm.) Tuck. = *Polycauliona polycarpa*

ramulosus Tuck. = *Xanthoria ramulosa*

villosus auct. non (Ach.) Norman = *T. californicus* for North American records

TEPHROMELA M. Choisy

atra (Hudson) Hafellner Syn.: *Lecanora atra*
***cerasina** (Müll. Arg.) Rambold & Triebel (Nash et al. 2004b)
eviolacea Haldeman & McCune (Haldeman & McCune 2021)
nashii Kalb (Nash et al. 2004b)
pacifica Björk & Muggia (Cestaro et al. 2016)
aglaea (Sommerf.) Hertel & Rambold = *Calvitimela aglaea*
“*aglaeida*” Nyl. = *Calvitimela aglaea*
armeniaca (DC.) Hertel & Rambold = *Calvitimela armeniaca*
testaceoatra (Vainio) Hertel & Rambold = *Calvitimela testaceoatra*

TETRAMELAS Norman

chloroleucus (Körber) A. Nordin Syn.: *Buellia chloroleuca* (Nordin 2004)
insignis (Nägeli ex Hepp) Kalb Syn.: *Buellia insignis* (Nordin 2004)
papillatus (Sommerf.) Kalb Syn.: *Buellia papillata* (Kalb 2004)
***pulverulentus** (Anzi) A. Nordin & Tibell Syn.: *Buellia pulverulenta*, *Diplotomma pulverulentum* (Nordin & Tibell 2005)
terricolus (A. Nordin) Kalb (Kalb 2004)
triphragmioides (Anzi) A. Nordin & Tibell Syn.: *Buellia triphragmioides* (Nordin & Tibell 2005)
geophilus (Flörke ex Sommerf.) Norman North American records reported to be *T. terricolus* (Nordin 1999, McCune et al. 2014b)

TEUVOA Sohrabi & S. Leavitt (Sohrabi et al. 2013a)

junipericola Sohrabi & S. Leavitt (Sohrabi et al. 2013a)

TEXOSPORIUM Nád. ex Tibell & Hofsten

sancti-jacobi (Tuck.) Nád. Syn.: *Acolium sancti-jacobi*, *Cyphelium sancti-jacobi*

THALLOIDIMA A. Massal.

arcticum (Timdal) Timdal Syn.: *Toninia arctica* (Kistenich et al. 2018)
ioen (Herre) S. Ekman & Timdal Syn.: *Bacidia ioessa*, *Toninia submexicana* (Kistenich et al. 2018)
massatum (Tuck.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Lecidea massata*, *Toninia massata* (Kistenich et al. 2018)
opuntioides (Vill.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Toninia opuntioides* (Kistenich et al. 2018)
physaroides (Opiz) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Toninia physaroides* (Kistenich et al. 2018)
sedifolium (Scop.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: *Toninia sedifolia* (Kistenich et al. 2018)
subdiffractum (Timdal) Timdal Syn.: *Toninia subdiffracta* (Kistenich et al. 2018)

THALLOLOMA Trevisan

anguiniforme (Vainio) Staiger (Lendemer et al. 2009b)
anguinum (Mont.) Trevisan Syn.: *Graphina anguina* (Staiger 2002, Tripp et al. 2010), *Graphis inustula*
cinnabarinum (Fée) Staiger (Kocourková et al. 2010)
hypoleptum (Nyl.) Staiger (Lendemer & Knudsen 2008b)

THAMNOGALLA D. Hawksw.

* **crombiei** (Mudd) D. Hawksw.

THAMNOLIA Ach. ex Schaerer

subuliformis (Ehrh.) W. L. Culb.

tundrae Brännström & Tibell (Onut-Brännström et al. 2018)
subvermicularis Asahina = T. subuliformis
vermicularis (Sw.) Ach. ex Schaerer Apparent misidentification for North America (Onut-Brännström et al. 2018)

THECARIA Fée

quassiicola Fée Syn.: Phaeographina quassiicola (Staiger 2002)

THELENELLA Nyl.

brasiliensis (Müll. Arg.) Vainio (Harris 1995a)
callicola C. A. Morse (Morse 2016)
harrisii H. Mayrhofer
hassei (Zahlbr.) H. Mayrhofer Syn.: Microglæna hassei, M. sychnogonoides
inductula (Nyl.) H. Mayrhofer Syn.: Microglæna inductula, Polyblastiopsis inductula
modesta (Nyl.) Nyl. Syn.: Microglæna subcorallina
nubifera C. A. Morse (Morse 2016)
pertusariella (Nyl.) Vainio (Harris 1995a)
rappii R. C. Harris (Harris 1995a)
sastreana R. C. Harris (Harris 1995a)
sordidula (Th. Fr.) H. Mayrhofer Syn.: Microglæna sordidula
sychnogonoides (Zahlbr.) R. C. Harris (Harris 1995a)
weberi H. Mayrhofer
americana (Knudsen & Lendemer) Aptroot (Aptroot & Schumm 2012) = Trimmatothelopsis americana (Knudsen & Lendemer 2016)
cinerascens (Vainio) R. C. Harris (Harris 1995a) = Aspidothelium cinerascens (Nelsen et al. 2017)
fugiens (Müll. Arg.) R. C. Harris (Harris 1995a) = Aspidothelium fugiens (Nelsen et al. 2017)
geminipara (Malme) R. C. Harris (Harris 1995a) = Aspidothelium geminiparum (Nelsen et al. 2017)
humilis R. C. Harris (Harris 1995a) = Protothelenella corrosa (Lendemer et al. 2019a)
luridella (Nyl.) H. Mayrhofer (Harris 1995a) North American records are T. nubifera (Morse 2016)
muscorum (Fr.) Vainio var. muscorum (Lendemer & Harris 2004) = Chromatochlamys muscorum (Nelsen et al. 2017)
muscorum var. octospora (Nyl.) Coppins & Fryday (Fryday & Coppins 2004) = Chromatochlamys muscorum var. octospora (Nelsen et al. 2017)

THELIDIELLA Fink ex J. Hedrick

blastenicola Fink = a non-lichenized fungus

THELIDIUM A. Massal.

absconditum (Hepp) Rabenh.
aeneovinosum (Anzi) Arnold
areolatum J. W. Thomson
decipiens (Nyl.) Kremp.
fontigenum A. Massal. Syn.: Thelidium microbolum, Verrucaria microbola
incavatum Nyl. ex Mudd
microsporum Lynge
minimum (A. Massal. ex Körber) Arnold
minutulum Körber
olivaceum (Fr.) Körber
papulare (Fr.) Arnold Syn.: Verrucaria sprucei
parvulum Arnold
pyrenophorum (Ach.) Mudd
transsylvanicum Zschacke
velutinum (Bernh.) Körber

zwackhii (Hepp) A. Massal. (Harris & Lendemer 2005)
acrotellum Arnold = T. minutulum
circumspersellum (Nyl.) Zschacke North American record is *Porina linearis* (Nash 2002)
mesotropum (Nyl.) A. L. Sm. = T. minutulum
microbolum (Tuck.) Hasse = T. fontigenum (Orange 2009)
viride (Deakin) Zahlbr. (Fink 1935) = T. pyrenophorum (Santesson et al. 2004)

THELIGNYA A. Massal.

groenlandica (E. Dahl) Henssen (Spribille et al. 2020)
lignyota (Wahlenb.) P. M. Jørg. & Henssen Syn.: *Porocyphus dispersus*

THELOCARPON Nyl. ex Hue

depressellum Vainio (Spribille et al. 2020)
***epibolum** Nyl.
***epibolum** var. **epithallinum** (Leighton ex Nyl.) G. Salisb.
hassei B. de Lesd.
immersum Fryday (Spribille et al. 2020)
impressellum Nyl. (Dillman et al. 2012)
intermediellum Nyl.
laureri (Flotow) Nyl.
***lichenicola** (Fuckel) Poelt & Hafellner (Hafellner et al. 2002)
sphaerosporum H. Magn. Syn.: *Ahlesia sphaerospora*
superellum Nyl.
albomarginatum Herre = *Acarospora elevata*
epilithellum Nyl. = T. laureri
fimicola Fink = T. intermediellum
majusculum Nyl. = T. laureri
prasinellum Nyl. = T. laureri

THELOMMA A. Massal.

brunneum (W. A. Weber) M. Prieto & Wedin Syn.: *Cyphelium brunneum* (Prieto & Wedin 2017)
californicum (Tuck.) Tibell Syn.: *Cyphelium californicum*, *C. farlowii*, *C. andersonii*
mammosum (Hepp) A. Massal. Syn.: *Cypheliopsis bolanderi*, *Acolium bolanderi*
santessonii Tibell
carolinianum (Tuck.) Tibell = *Calicium carolinianum*
occidentale (Herre) Tibell = *Pseudothelomma occidentale*
ocellatum (Körber) Tibell = *Pseudothelomma ocellatum*

THELOPSIS Nyl.

corticola (Coppins & P. James) Sanderson & Ertz (Tønsberg 2002, Ertz et al. 2021b) Syn.:
Opegrapha corticola
flaveola Arnold
inordinata Nyl.
isiaca Stizenb.
rubella Nyl.
melathelia Nyl. = *Ramonia melathelia* (Ertz et al. 2021b)
subporinella Nyl. = T. isiaca

THELOTREMA Ach.

adjectum Nyl.
californicum Tuck. Syn.: *Phaeotrema californicum*
circumscriptum C. Knight (fide T. Lumbsch, see appendix)
defectum Hale
dilatatum (Müll. Arg.) Hale
eximium R. C. Harris
floridense R. C. Harris

lacteum Kremp.
lathraeum Tuck. Syn.: *Ocellularia lathraea*
lepadinum (Ach.) Ach.
monospermum R. C. Harris Syn.: *Leptotrema lepadodes*, *L. monosporum* auct.
pachysporum Nyl. (Lücking et al. 2011b)
petractooides P. M. Jørg. & Brodo (Purvis et al. 1995)
porinoides Mont. & Bosch Syn.: *Ocellularia floridensis*
subtile Tuck. Syn.: *Ocellularia subtilis*
suecicum (H. Magn.) P. James (Esslinger & Egan 1995)
alborosellum (Nyl.) Tuck. = *Chapsa alborosella*
auberianum Mont. (Tuckerman 1882) = *Stegobolus auberianus*
bahianum Ach. var. *obturascens* Nyl. = *Ocellularia obturascens*
carneum Eckfeldt = *Mazosia ocellata*
clandestinum Fée = *Myriotrema clandestinum*, but a misidentification for N. America
domingense (Fée ex Nyl.) Tuck. = *Ocellularia domingensis*, but a misidentification for N. America
domingense var. *rhodostroma* (Mont.) Tuck. (Tuckerman 1882) = *Ocellularia rhodostroma*, but apparently a misidentification for N.A.
glauescens Nyl. = *Leucodecton glaucescens*
granulosum Tuck. = *Rhabdodiscus granulatus*
halei (Tuck. & Mont.) Zahlbr. = *Fibrillithecis halei* (Lücking et al. 2016)
heterosporum C. Knight ex F. M. Bailey = *Reimnitzia santensis*
interpositum (Nyl.) Müll. Arg. = *Ocellularia interposita*, but a misidentification for North America
leiomostomum Tuck. = *Redingeria leiomostoma* (Tuck.) A. Frisch, but a misidentification for North America (Frisch & Kalb 2006)
leprocarpum (Nyl.) Tuck. = *Chapsa leprocarpa*
microporum Mont. (Tuckerman 1882) = *Myriotrema microporum*
monosporum auct. = *T. monospermum* for North American records
platycarpoides Tuck. (Harris 1995a) = *Chapsa platycarpoides*
platycarpum Tuck. = *Chapsa platycarpoides*
postpositum Nyl. = *Ocellularia postposita*
praestans Müll. Arg. = *Ocellularia praestans*
ravenelii Tuck. = *Sanguinotrema wightii*
sanfordianum Zahlbr. = *Ocellularia sanfordiana*
santense Tuck. = *Reimnitzia santensis*
texanum Willey ex Nyl. = *Trinathotrema stictideum*
wightii (Taylor) Nyl. = *Sanguinotrema wightii*

THERMUTIS Fr.

velutina (Ach.) Flotow

THOLURNA Norman

dissimilis (Norman) Norman

THROMBIUM Wallr.

aoristum (Nyl.) Arnold (Breuss 2002f)

discordans (Nyl.) Zahlbr.

epigaeum (Pers.) Wallr.

mongolicum H. Magn. = misidentification for North America (Morse & Ladd 2015)

THYREA A. Massal.

confusa Henssen (Henssen & Jørgensen 1990)

girardii (Durieu & Mont.) Bagl. & Carestia Syn.: *Omphalaria girardii*

demangeonii (Moug. & Mont.) Fink = *Phylliscum demangeonii*

nigritella Lettau = *Lichinella nigritella*

pulvinata auct. North American = *T. confusa*

pulvinata (Schaerer) A. Massal. = *Gonohymenia iodopulchra* (Croz.) Henssen, but not in North

America
pyrenoides (Nyl.) Fink = Paulia pyrenoides

TICHOTHECIUM Flotow = VERRUCARIA

*pygmaeum Körber = Muellerella pygmaea
*zahlbrucknerella Henssen = Endococcus zahlbrucknerellae

TINGIOPSISIDIUM Werner (Hafellner & Spribille 2016)

elaeinum (Wahlenb. ex Ach.) Hafellner & T. Sprib. Syn.: Vestergrenopsis elaeina
isidiatum (Degel.) Hafellner & T. Sprib. Syn.: Pannaria isidiata, Vestergrenopsis isidiata
sonomense (Tuck.) Hafellner & T. Sprib. Syn.: Koerberia sonomensis, Pannaria sonomensis, Vestergrenopsis sonomensis

TOENSBERGIA Bendiksby & Timdal (Bendiksby & Timdal 2013)

blastidiata T. Sprib. & Tønsberg (Spribille et al. 2020)
geminipara (Th. Fr.) T. Sprib. & Resl Syn: Ochrolechia geminipara, Pertusaria geminipara (Spribille et al. 2020)
leucococca (R. Sant.) Bendiksby & Timdal Syn.: Pycnora leucococca

TOMASELLIA A. Massal.

americana (Minks ex Willey) R. C. Harris
[**Mycoporellum difforme** (Minks) Fink]
macularis (Minks ex Willey) R. C. Harris (Harris 1995a) Syn.: Cyrtidula macularis
californica (Zahlbr.) R. C. Harris = Mycoporum californicum
eschweileri (Müll. Arg.) R. C. Harris = Mycoporum eschweileri
esenbeckiana (Fée) Müll. Arg. = Melanthea esenbeckiana, but a misidentification for N. America
lactea (Ach.) R. C. Harris = Mycoporum lactaeum
sparsella (Nyl.) R. C. Harris = Mycoporum sparsellum

TONINIA A. Massal.

alutacea (Anzi) Jatta
candida (Weber) Th. Fr. Syn.: Lecidea candida
cinereovirens (Schaerer) A. Massal.
***nashii** Timdal (Timdal 2002c, Knudsen & Kocourková 2018a.)
populorum (A. Massal.) Kistenich, Timdal, Bendiksby & S. Ekman Syn.: Arthrosporium accline, A. populorum, Bacidia acclinis, Bilimbia acclinis, Lecidea acclinis (Kistenich et al. 2018)
squalescens (Nyl.) Th. Fr. (Coppins & Fryday 2006b) But misplaced here?
squalida (Ach.) A. Massal. Syn.: Lecidea squalida, L. squalida var. caulescens
***subdispersa** (Nyl. ex Hasse) K. Knudsen Syn.: Lecania subdispersa (Knudsen & Lendemer 2007)
subnitida (Hellbom) Hafellner & Türk (Hafellner & Türk 2001) Syn.: Catillaria tristis, C. subnitida, Kiliasia tristis
***subtalparum** van den Boom (van den Boom 2004)
taurica (Szatala) Oxner (McCune et al. 2014b)
tecta C. A. Morse & Ladd (Ladd & Morse 2018)
weberi Timdal
arctica Timdal = Thalloidima arcticum
aromatica (Turner) A. Massal. = Toniniopsis aromatica
athallina (Hepp) Timdal = Kiliasia athallina
bullata (Meyen & Flotow) Zahlbr. = Bibbya bullata
caulescens Anzi = T. squalida
coeruleonigrans auct. = Thalloidima sedifolia
coeruleonigrans (Lightf.) Th. Fr. = Pannaria praetermissa, nom. rej. prop.
conglomerata (Ach.) Boistel = Psorinia conglomerata
cumulata (Sommerf.) Th. Fr. Excluded from Toninia; a misidentification for North America

kolax Poelt = *Toniniopsis verrucarioides*
 lobulata (Sommerf.) Lyngé = *Bilimbia lobulata*
 lutosa (Ach.) Timdal = *Bibbya lutosa*
 massata (Tuck.) Herre = *Thalloidima massatum*
 opuntioides (Vill.) Timdal = *Thalloidima opuntioides*
 pennina (Schaerer) Gyelnik = *Kiliasia pennina*
 philippea (Mont.) Timdal = *Kiliasia philippea*
 physaroides (Opiz) Zahlbr. = *Thalloidima physaroides*
 ruginosa (Tuck.) Herre subsp. ruginosa = *Bibbya ruginosa*
 ruginosa subsp. pacifica Timdal = *Bibbya ruginosa* subsp. pacifica
 sculpturata (H. Magn.) Timdal = *Kiliasia sculpturata*
 sedifolia (Scop.) Timdal = *Thalloidima sedifolium*
 subdiffracta Timdal = *Thalloidima subdiffractum*
 superioris Timdal = *Kiliasia superioris*
 squarrosa (Ach.) Th. Fr. = *T. squalida*
 submexicana B. de Lesd. = *Thalloidima ioen*
 syncomista (Flörke) Th. Fr. (Tuckerman 1888) = *Bilimbia lobulata*
 tabacina auct. = *T. tristis*
 talparum Timdal = *T. subdispersa*
 tristis (Th. Fr.) Th. Fr. subsp. tristis = *Kiliasia tristis*
 tristis subsp. arizonica Timdal = *Kiliasia tristis*
 tristis subsp. asiae-centralis (H. Magn.) Timdal = *Kiliasia tristis*
 tristis subsp. canadensis Timdal = *Kiliasia tristis*
 tristis subsp. scholanderi (Lyngé) Timdal = *Kiliasia tristis*
 *verrucarioides (Nyl.) Timdal = *Toniniopsis verrucarioides*

TONINIOPSIS Frey (Kistinich et al. 2018)

aromatica (Sm.) Kistenich, Timdal, Bendiksby & S. Ekman Syn. : *Tonina aromatica*
subincompta (Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman (Spribille et al. 2020)
 ***verrucarioides** (Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman Syn. : *Toninia verrucarioides*

TOPELIA P. M. Jørg. & Vězda

aperiens P. M. Jørg. & Vězda
californica P. M. Jørg. & Vězda
gyalectodes (Nyl.) B. D. Ryan & H. T. Lumbsch Syn.: *Lecanora gyalectodes* (Ryan & Lumbsch 2007, Knudsen et al. 2008b)

TOPELIOPSIS Kantvilas & Vězda

toensbergii Vězda & Kantvilas (Kantvilas & Vězda 2000) = *Melanotopelia toensbergii*

TORNABEA Østh.

scutellifera (With.) J. R. Laundon (Nimis & Tretiach 1997) North American report was based on specimens of *Seiophora californica* (Knudsen & Kocourková 2016)

TRAPELIA M. Choisy

coarctata (Turner) M. Choisy Syns.: *Biatora coarctata*, *Lecidea coarctata*
corticola Coppins & P. James
glebulosa (Sm.) J. R. Laundon Syns.: *Lecidea gregaria*, *L. ornata* (Laundon 2005)
obtegens (Th. Fr.) Hertel Syn.: *Lecidea obtegens*
placodioides Coppins & P. James
stipitata Brodo & Lendemer (Brodo & Lendemer 2015)
 brujeriana (Schaerer) M. Choisy = *Ainoa mooreana*, but a misidentification for North America
 involuta (Taylor) Hertel = *T. glebulosa*
 mooreana (Carroll) P. James = *Ainoa mooreana*, but a misidentification for North America (Brodo & Lendemer 2015)
 torelii (Anzi) Hertel = *Ainoa mooreana*, but a misidentification for North America

TRAPELIOPSIS Hertel & Gotth. Schneider

- aeneofusca** (Flotow) Coppins & P. James (Aptroot 1996)
- bisorediata** McCune & Camacho (McCune et al. 2002)
- flexuosa** (Fr.) Coppins & P. James Syns.: *Biatora granulosa* var. *flexuosa*, *Lecidea aeruginosa*, *L. flexuosa*
- gelatinosa** (Flörke) Coppins & P. James Syns.: *Lecidea gelatinosa*, *Micarea gelatinosa*
- glaucolepidea** (Nyl.) Gotth. Schneider (Spribille et al. 2020)
- glaucopholis** (Nyl. ex Hasse) Printzen & McCune Syns.: *Lecidea glaucopholis*, *L. admiscens*, *L. granulosa* var. *phyllizans* (Printzen & McCune 2004)
- granulosa** (Hoffm.) Lumbsch Syns.: *Biatora decolorans*, *B. granulosa*, *Lecidea granulosa*, *L. quadricolor*
- pseudogranulosa** Coppins & P. James
- steppica** McCune & Camacho (McCune et al. 2002)
- viridescens** (Schrader) Coppins & P. James Syns.: *Biatora viridescens*, *Lecidea viridescens*, *Micarea viridescens*
- californica** McCune & Camacho (McCune et al. 2002) = *T. glaucopholis*
- wallrothii** (Flörke ex Sprengel) Hertel & Gotth. Schneider North American reports are *T. californica* (McCune et al. 2002)

TREMATOSPHAERIOPSIS Elenkin

- ***parmeliana** (Jacz.) Elenkin (Hafellner 2001)

TREMELLA Pers.

- ***caloplacae** (Zahlbr.) Diederich (Diederich 2003)
- ***candelariellae** Diederich & Etayo (Harris 2006a)
- ***cetrariicola** Diederich & Coppins (Diederich 1996)
- ***christiansenii** Diederich (Freebury 2014)
- ***cladoniae** Diederich & M. S. Christ. (Diederich 1996)
- ***coppinsii** Diederich & G. Marson (Seaward et al. 2017)
- ***dendrographae** Diederich & Tehler (Diederich 1996)
- ***diploschistina** Millanes, M. Westb., Wedin & Diederich (Millanes et al. 2012)
- ***dirinariae** Diederich, Millanes & Wedin (Ariyawansa et al. 2015)
- ***everniae** Diederich (Diederich 1996)
- ***graphidis** Diederich, Millanes, Wedin & Common (Ariyawansa et al. 2015)
- ***haematommatis** Diederich (Diederich 1996)
- ***harrisii** Diederich (Diederich 1996)
- ***hypogymniae** Diederich & M. S. Christ. (Diederich 1996)
- ***imshaugiae** Diederich, Coppins, R. C. Harris, Millanes & Wedin (Diederich et al. 2020)
- ***lethariae** Diederich (Diederich 2003)
- ***lichenicola** Diederich (Diederich 1996)
- ***mayrhoferi** J. C. Zamora, Millanes, Etayo & Wedin (Zamora et al. 2018)
- ***nashii** Diederich (Diederich 2007a)
- ***nephromatis** Diederich (Diederich 1996)
- ***nieblae** Diederich & van den Boom (Diederich 2007a)
- ***papuana** Diederich (Diederich 2003)
- ***parmeliarum** Diederich (Diederich 1996)
- ***pertusariae** Diederich (Diederich 1996)
- ***phaeographinae** Diederich & Aptroot (Diederich 1996)
- ***phaeophysciae** Diederich & M. S. Christ. (Diederich 2003)
- ***pyrenulae** Diederich, Millanes, Wedin & Common (Ariyawansa et al. 2015)
- ***ramalinae** Diederich (Diederich 2003)
- ***tuckerae** Diederich (Diederich 2007a)
- ***wedinii** Diederich, Common & Millanes (Diederich et al. 2019)
- ***leptogii** Diederich (Diederich 2003) According to Diederich (2004b), in N.A. known only from Mexico.

TREMOLECIA M. Choisy

atrata (Ach.) Hertel Syns.: *Lecidea atrata*, *L. dicksonii* auct.
jurana (Schaerer) Hertel = *Farnoldia jurana*
micropsis (A. Massal.) Hertel = *Farnoldia micropsis*
nivalis (Anzi) Hertel = *Farnoldia micropsis*

TRICHARIA Fée

cretacea Vězda
cuneata L. I. Ferraro & Vězda (Lücking et al. 2007)
duotela W. B. Sanders & Lücking (Sanders & Lücking 2015)
floridensis Lücking & W. R. Buck (Lücking et al. 2007)
santessonii D. Hawksw.
subumbrosa Lücking & W. R. Buck (Lücking et al. 2007)
tuckeræ Lücking & W. R. Buck (Lücking et al. 2007)
vainioi R. Sant. (Lücking et al. 2007)
melanothrix Fée = *T. santessonii* and *T. vezdae* for North American records
vezdae W. R. Buck = *Gyalideopsis buckii*

TRICHONECTRIA Kirschst.

***anisospora** (Lowen) van den Boom & Diederich Syns.: *Nectriella anisospora*, *Pronectria anisospora* (Diederich et al. 2018)
 ***rubefaciens** (Ellis & Everh.) Diederich & Schroers (Sèrusiaux et al. 1999) Syns.: *Nectria rubefaciens*, *Nectriopsis rubefaciens* (Diederich et al. 2018)

TRICHORAMALINA Rundel & Bowler

crinita (Tuck.) Rundel & Bowler Syn.: *Ramalina crinita*

TRICHOSPHAERELLA E. Bommer, M. Rousseau & Sacc.

***buckii** R. C. Harris & Lendemer (Lendemer et al. 2016c)

TRICHOSPHAERIA Fuckel

***lichenum** P. Karsten & Har. (Zhurbenko 2009b)

TRICHOTHELIUM Müll. Arg. (Harris 2005)

americanum Lendemer (Lendemer 2016b)
epiphyllum Müll. Arg.
aeneum (Wallr.) R. C. Harris = *Pseudosagedia aenea*
angustisporum Cáceres & Lücking (Lücking & Cáceres 2001) North American reports are *T. americanum* (Lendemer 2016b)
cestrense (E. Michener) R. C. Harris = *Pseudosagedia cestrensis*
chloroticum (Ach.) R. C. Harris = *Pseudosagedia chlorotica*
crocynioides R. C. Harris = *Pseudosagedia crocynioides*
guentheri (Flotow) R. C. Harris = *Pseudosagedia guentheri*
horridulum (Müll. Arg.) R. Sant. North American reports are *T. americanum* (Lendemer 2016b)
isidiatum R. C. Harris = *Pseudosagedia isidiata*
lineare (Leighton) R. C. Harris = *Porina linearis*
nitidulum (Müll. Arg.) R. C. Harris = *Pseudosagedia nitidula*
rhapidospermum (Müll. Arg.) R. C. Harris = *Pseudosagedia rhapidosperma*
thaxteri (R. Sant.) R. C. Harris = *Pseudosagedia thaxteri*

TRIMMATOSTROMA Corda

***commonii** Diederich, Zhurb. & van den Boom (Diederich et al. 2020)
 ***dendrographæ** Diederich, Ertz, U. Braun & Heuchert (Kocourková et al. 2012)

TRIMMATOTHELE Norman ex Zahlbr.

perquisita (Norman) Norman ex Zahlbr. (Fryday 2017)

umbellulariae Herre = *Anisomeridium biforme* (Lendemer & Knudsen 2007)

TRIMMATOTHELOPSIS Zschacke (Knudsen & Lendemer 2016)

americana (K. Knudsen & Lendemer) K. Knudsen & Lendemer Syns.: *Melanophloea americana*, *Thelenella americana* (Knudsen & Lendemer 2016)

dispersa (H. Magn.) K. Knudsen & Lendemer Syn.: *Acarospora dispersa* (Knudsen & Lendemer 2016)

oreophila (K. Knudsen) K. Knudsen, Kocourk., Hodková & Wang Syn.: *Acarospora oreophila* (Knudsen et al. 2021c)

sphaerosperma (K. Knudsen & R. C. Harris) K. Knudsen & Kocourk. Syn.: *Acarospora sphaerosperma* (Knudsen et al. 2021c)

terricola (H. Magn.) K. Knudsen & Lendemer Syn.: *Acarospora terricola* (Knudsen & Lendemer 2016)

TRINATHOTREMA Lücking, Rivas Plata & Mangold

stictideum (Nyl.) Lücking, R. Miranda & Kalb Syns.: *Conotrema albonigrum*, *Ocellularia stictidea*, *Thelotrema texanum* (Lücking et al. 2011)

TRYPETHELIUM Sprengel

eluteriae Sprengel

subeluteriae Makhija & Patwardhan (Harris 1995a)

aeneum (Eschw.) Zahlbr. = *Astrothelium aeneum*

annulare (Fée) Mont. = *Astrothelium floridanum* for North American records

carolinianum Tuck. = *Bathelium carolinianum*

catervarium (Fée) Tuck. = *Astrothelium variolosum*

cruentum Mont. = *Pyrenula cruenta*

exocanthum Tuck. = *Viridothelium virens*

favulosum Ach. (Fink 1935) Questionable for North America (Esslinger & Tucker 2009)

floridanum (Zahlbr. ex M. Choisy) R. C. Harris = *Astrothelium floridanum*

marcidum (Fée) Aptroot (Lücking et al. 2011b) = *Astrothelium marcidum*

mastoideum (Ach.) Ach. = misidentification for North America (Harris 1995a)

nitidiusculum (Nyl.) R. C. Harris = *Astrothelium nitidiusculum*

ochroleucum (Eschw.) Nyl. = *Astrothelium phlyctaena*

pallescens Fée = *Astrothelium phlyctaena*

porosum (Eschw.) Ach. (Fink 1935) = *Astrothelium porosum*

scoria Fée (Mohr 1901) = *Astrothelium scoria*

scorites Tuck. = *Viridothelium virens*

tropicum (Ach.) Müll. Arg. = *Nigrovothelium tropicum*

variatum Nyl. (Fink 1935) = *Astrothelium variatum* (Nyl.) Aptroot & Lücking, but questionable for North America (Esslinger & Tucker 2009)

variolosum Ach. (Harris 1995a) = *Astrothelium variolosum*

virens Tuck. ex E. Michener = *Viridothelium virens*

TUCKERMANELLA Essl

arizonica Essl. (Esslinger 2003)

coralligera (W. A. Weber) Essl. Syns.: *Cetraria coralligera*, *Tuckermannopsis coralligera* (Esslinger 2003)

fendleri (Nyl.) Essl. Syns.: *Cetraria fendleri*, *Tuckermannopsis fendleri* (Esslinger 2003)

weberi (Essl.) Essl. Syn.: *Cetraria weberi* (Esslinger 2003)

pseudoweberi Essl. Erroneously listed here; reported only from Mexico (Esslinger 2003)

TUCKERMANNOPSIS Gyelnik

americana (Sprengel) Hale Syns.: *Cetraria halei*, *C. ciliaris* var. *halei*

chlorophylla (Willd.) Hale Syns.: *Cetraria chlorophylla*, *C. scutata* auct. non (Wulfen) Poetsch

ciliaris (Ach.) Gyelnik Syn.: *Cetraria ciliaris*
orbata (Nyl.) M. J. Lai Syn.: *Cetraria orbata*
platyphylla (Tuck.) Hale Syn.: *Cetraria platyphylla* Placement uncertain (Thell et al. 2009)
sepincola (Ehrh.) Hale Syn.: *Cetraria sepincola*, *C. scutata* (Wulfen) Poetsch non auct. Placement uncertain (Thell et al. 2009)
subalpina (Imshaug) Kärnefelt Syns: *Cetraria subalpina*, *C. arborialis* Placement uncertain (Thell et al. 2009)
aurescens (Tuck.) Hale = *Ahtiana aurescens*
"californica" = *Kaernefeltia californica*
canadensis (Räsänen) Hale = *Vulpicida canadensis*
coralligera (W. A. Weber) W. A. Weber = *Tuckermanella coralligera*
fendleri (Nyl.) Hale = *Tuckermanella fendleri*
halei (W. L. Culb. & C. F. Culb.) M. J. Lai = *T. americana*
inermis (Nyl.) Kärnefelt = *Masonhalea inermis*
juniperina (L.) Hale = Old North American records are *Vulpicida canadensis* or *V. viridis*
juniperina (L.) Hale = *Vulpicida juniperina*
merrillii (Du Rietz) Hale = *Kaernefeltia merrillii*
oakesiana (Tuck.) Hale = *Usnocetraria oakesiana*
pallidula (Tuck. ex Riddle) Hale = *Ahtiana pallidula*
pinastri (Scop.) Hale = *Vulpicida pinastri*
viridis (Schwein.) Hale = *Vulpicida viridis*
 [*Cetraria weberi* Essl.] = *Tuckermanella weberi*

TURGIDOSCULUM Kohlm. & E. Kohlm.
complicatum (Nyl.) Kohlm. & E. Kohlm. = *Mastodia tessellata*

TYLOPHORON Nyl. ex Stizenb.

hibernicum (D. Hawksw., Coppins & P. James) Ertz, Diederich, Bungartz & Tibell (Lendemer et al. 2013)
moderatum Nyl.
americanum Lendemer, E. Tripp & R. C. Harris (Lendemer et al. 2013) = *Sporodophoron americanum* (Frisch et al. 2015)
protrudens Nyl. North American reports were misidentifications of *T. hibernicum* (Lendemer et al. 2013)

TYLOTHALLIA P. James & H. Kilius

biformigera (Leighton) P. James & H. Kilius Syns.: *Catillaria biformigera*, *C. bahusiensis*

UMBILICARIA Hoffm.

americana Poelt & T. H. Nash
angulata Tuck. Syn.: *Gyrophora angulata*
aprina Nyl.
arctica (Ach.) Nyl. Syn.: *Gyrophora arctica*
cinereorufescens (Schaerer) Frey
crustulosa (Ach.) Frey Syn.: *Omphalodiscus crustulosus*
cylindrica (L.) Delise ex Duby Syn.: *Gyrophora cylindrica*
decussata (Vill.) Zahlbr. Syns.: *Omphalodiscus decussatus*, *Gyrophora decussata*
deusta (L.) Baumg. Syns.: *Gyrophora deusta*, *G. flocculosa*
dura McCune (McCune 2018)
havaasii Llano
hirsuta (Sw. ex Westr.) Ach.
hyperborea (Ach.) Hoffm. var. **hyperborea** Syn.: *Gyrophora hyperborea*
hyperborea var. **radicula** (J. E. Zetterst.) Hasselrot
lambii Imshaug
leiocarpa DC. Syn.: *Agyrophora leiocarpa*
lyngei Schol. Syn.: *Agyrophora lyngei*

mammulata (Ach.) Tuck. Syn.: *Gyrophora dillenii*
muhlenbergii (Ach.) Tuck. Syn.: *Actinogyra muhlenbergii*, *Gyrophora muhlenbergii*
multistrata McCune (McCune 2018)
nodulospora McCune, Di Meglio & M. J. Curtis (McCune et al. 2014a)
nylanderiana (Zahlbr.) H. Magn.
phaea Tuck. Syn.: *Gyrophora phaea*
polaris (Schol.) Zahlbr. Syn.: *Omphalodiscus krascheninnikovii* auct.
polyphylla (L.) Baumg. Syn.: *Gyrophora polyphylla*
polyrhiza (L.) Fr. Syn.: *Actinogyra polyrhiza*, *Gyrophora polyrhiza*
proboscidea (L.) Schrader Syn.: *Gyrophora proboscidea*
rigida (Du Rietz) Frey Syn.: *U. coriacea*, *Agyrophora rigida*, *Gyrophora anthracina*
scholanderi (Llano) Krog Syn.: *Agyrophora scholanderi*
semitensis Tuck. (Fink 1935; McCune & Curtis 2012)
subglabra (Nyl.) Harm. (Nash et al. 1998)
torrefacta (Lightf.) Schrader Syn.: *Gyrophora erosa*, *G. torrefacta*
vellea (L.) Ach. Syn.: *Gyrophora vellea*
virginis Schaerer Syn.: *Omphalodiscus virginis*, *Gyrophora rugifera*
aneia (Schaerer) Schaerer (Tuckerman 1882) = *U. polyphylla*
angulata Tuck. var. *semitensis* (Tuck.) Tuck. (Tuckerman 1882) = *U. semitensis*
anthracina (Wulfen) Hoffm. (Tuckerman 1882) = *U. polyphylla*
anthracina var. *reticulata* (Schaerer) Tuck. (Tuckerman 1882) = *U. decussata*
arctica var. *diomedensis* G. Merr. ex Llano = *U. arctica*
atropruinosa Fr. (Tuckerman 1882) Identity uncertain
caroliniana Tuck. = *Lasallia caroliniana*
coriacea Imshaug = *U. rigida*
dillenii Tuck. = *U. mammulata*
erosa (Weber) Ach. (Tuckerman 1882) = *U. torrefacta*
flocculosa (Wulfen) Hoffm. (Tuckerman 1882) = *U. deusta*
grisea Hoffm. = misidentification for North America (Esslinger & Tucker 2009)
hirsuta (Sw. ex Westr.) Ach. var. *grisea* Tuck. (Tuckerman 1882) = *U. grisea*, a misidentification for North America
intermedia Frey = *U. hyperborea*
krascheninnikovii (Savicz) Zahlbr. North American reports are *U. polaris* (Davydov et al. 2011)
muhlenbergii (Ach.) Tuck. var. *alpina* Tuck. (Tuckerman 1882) = *U. muhlenbergii*
murina (Ach.) DC. (Tuckerman 1882) = *U. grisea*, a misidentification for North America
papulosa (Ach.) Nyl. = *Lasallia papulosa*
pennsylvanica Hoffm. = *Lasallia pennsylvanica*
proboscidea (L.) Schrader var. *arctica* (Ach.) Fr. (Tuckerman 1882) = *U. arctica*
pustulata (L.) Hoffm. = *Lasallia pustulata*
pustulata var. *papulosa* (Ach.) Tuck. = *Lasallia papulosa*
rugifera Nyl. (Tuckerman 1882) = *U. virginis*
tylorrhiza (Nyl.) Nyl. (Tuckerman 1882) = *U. vellea*

UNGUICULARIOPSIS Rehm

***lettaui** (Grumann) Coppins (Diederich 2003)
 ***refractiva** (Coppins) Coppins (Zhurbenko 2009a)
 ***thallophila** (P. Karsten) W. Y. Zhuang (Diederich 2003)
 ***fasciculata** Etayo (Etayo & Triebel 2010) = *Protounguicularia fasciculata* (Diederich et al. 2018)
 ***nephromatis** Zhurb. & Zavarzin (Zhurbenko 2007b) = *Protounguicularia nephromatis*

URCEOLARIA Hooker = ASPICILIA

actinostoma Ach. = *Diploschistes actinostomus*
albissima (Ach.) Fink = *Diploschistes diacapsis*
scruposa (Schreber) Ach. = *Diploschistes scruposus*

USNEA Dill. ex Adanson
aculeata Motyka (apparent nomen nudum, identity uncertain)
affinis Motyka (apparent nomen nudum, identity uncertain)
alpina Motyka
amabilis Motyka
amblyoclada (Müll. Arg.) Zahlbr. (Clerc & Herrera-Campos 1997)
angulata Ach.
australis Fr.
baileyi (Stirton) Zahlbr.
brasiliensis (Zahlbr.) Motyka (Pérez-Vargas et al. 2010)
brattiae P. Clerc (Clerc 2007)
californica Herre
capillaris Motyka
catenulata Motyka (Identification uncertain)
cavernosa Tuck.
ceratina Ach.
chaetophora Stirton (Halonen et al. 1998)
cirrosa Motyka
condensata Motyka
cornuta Körber subsp. **cornuta**
cristatula Motyka (Knudsen & Lendemer 2006)
cylindrica P. Clerc (Dillman et al. 2012)
dasaea Stirton (Clerc & Herrera-Campos 1997)
dasopoga (Ach.) Nyl. (Arcadia 2013)
deformis Motyka
dimorpha (Müll. Arg.) Motyka
diplotypus Vainio (Halonen et al. 1998)
endochrysea Stirton
entviolata Motyka (Clerc 2004, Lendemer & Tripp 2008)
erinacea Vainio (Tavares & Sanders 1998; Clerc 2011)
esperantiana Clerc (Halonen et al. 1998)
evansii Motyka
fibrillosa Motyka
flammea Stirton (Clerc & May 2007)
flavocardia Räsänen (Clerc 2004)
florida (L.) Weber ex F. H. Wigg. (questionable for North America, Tavares & Sanders 1998)
fragilescens Hav. ex Lynge
fragilescens var. **mollis** (Vainio) Clerc
freyi Motyka
fulvorenans (Räsänen) Räsänen
furfurosula (Zahlbr.) Motyka
glabrata (Ach.) Vainio
glabrescens (Nyl. ex Vainio) Vainio
graciosa Motyka (Identification uncertain)
halei P. Clerc (Clerc & Herrera-Campos 1997)
hirta (L.) Weber ex F. H. Wigg.
intermedia (A. Massal.) Jatta (Clerc 2007)
lambii (Imshaug) Wirtz & Lumbsch Syn.: *Neuropogon lambii* (Wirtz et al. 2008; Lumbsch & Wirtz 2011)
leucosticta Vainio
macaronesica P. Clerc (Clerc 2011)
meridionalis Zahlbr. Syn.: *U. michauxii* (Gerlach et al. 2017)
merrillii Motyka
mexicana Vainio (Truong et al. 2013)
mirabilis Motyka
monstruosa Vainio

mutabilis Stirton
myrmaiacaina P. Clerc (Clerc 2007)
nidulans Motyka (Halonen et al. 1998)
occidentalis Motyka
pacificana P. Halonen (Halonen 2000)
parafloridana K. Mark, Will-Wolf & Randlane (Mark et al. 2016)
parvula Motyka (Clerc 2007)
perhispidella J. Steiner (Clerc 2016)
perplexans Stirton (Clerc 2016)
poliotrix Kremp. (Clerc 2016)
praetervisa (Asahina) P. Clerc (Clerc 2004)
quasirigida Lendemer & Tavares (Lendemer & Tavares 2003)
ramillosa Motyka
roseola Vainio
rubicunda Stirton
scabrata Nyl.
scholanderi Llano
silesiaca Motyka (Tavares 1997; Gams 2004)
silvatica Motyka
sphacelata R. Br. Syns.: *Neuropogon sphacelatus*, *N. sulphureus* from N.A.
strigosa (Ach.) Eaton subsp. **strigosa**
strigosa subsp. **major** (Michaux) I. Tav.
strigosa subsp. **rubiginea** (Michaux) I. Tav. Syn.: *U. rubiginea*
subcornuta Stirton (Brodo et al. 2001)
subdasaea Truong & P. Clerc (Clerc 2016)
subfloridana Stirton
subfusca Stirton
subgracilis Vainio (Tavares 1997; Clerc 2004; Truong et al. 2013)
subrubicunda P. Clerc (Clerc 2011)
subscabrosa Nyl. ex Motyka
transitoria Motyka (Truong et al. 2013)
trichodea Ach.
tristis Motyka
vainioi Motyka
variegata Stirton
wasmuthii Räsänen
xanthopoga Nyl.
ammannii P. Clerc & Herrera-Campos In North America, only known in Mexico (Clerc & Herrera-Campos 1997)
antillarum (Vainio) Zahlbr. = *U. baileyi*
arizonica Motyka = *U. intermedia* (Clerc 2007)
articulata (L.) Hoffm. = misidentification for North America
barbata (L.) F. H. Wigg. = misidentification for North America?
barbata var. **xanthopoga** Müll. Arg. = *U. xanthopoga*
betulina Motyka = (?) *U. glabrescens*
cornuta subsp. **brasiliensis** (Zahlbr.) P. Clerc (Clerc 2007) = *U. brasiliensis*
caucasica Vainio = (?) *U. dasopoga*
ciliifera Motyka (apparent nomen nudum) = *U. cirrosa* (fide J. Lendemer)
comosa auct. = *U. subfloridana*
compacta (Räsänen) Motyka = *U. glabrescens*
confusa Asahina = *U. cornuta*
diffracta Vainio (Lendemer et al. 2008c) = *Dolichousnea diffracta* (Articus 2004)
diplotypus Vainio = saxicolous specimens were misidentification for North America (Clerc & Herrera-Campos 1997)
distincta Motyka = *U. glabrescens*
duriuscula Motyka = *U. mexicana* (Truong et al. 2013) However, the two names represent

different chemotypes
esthonica Räsänen = *U. dasopoga*
filipendula Stirton = *U. dasopoga* (Arcadia 2013)
finkii Zahlbr. = *U. transitoria* (Truong et al. 2013)
flagellata Motyka = *U. dasopoga*
globularis Motyka = *U. amblyoclada*
herrei Hale = nom. nud.
hesperina Motyka = *U. subgracilis*
implicita (Stirton) Zahlbr. = *U. baileyi*
inflata Delise ex Duby nom. nudum = *U. cornuta*
kujalae Räsänen = *U. glabrata*
lapponica Vainio = *U. perplexans* (Clerc 2016)
laricina Vainio ex Räsänen = (?) *U. lapponica*
longissima Ach. = *Dolichousnea longissima* (Articus 2004)
madeirensis Motyka = *U. silesiaca*
michauxii I. Tav. = *U. meridionalis* (Gerlach et al. 2017)
mollis Stirton = *U. fragilescens* var. *mollis*
montana Motyka = misidentification for North America
nashii P. Clerc & Herrera-Campos In North America, only known in Mexico (Clerc & Herrera-Campos 1997)
pachyclada Motyka = *U. ceratina* (Clerc 2007)
pensylvanica Motyka = *U. rubicunda* (Clerc 2007)
perplectata Motyka = *U. baileyi* (Clerc 2007)
perplexans Stirton (Clerc 1987) = an Asian taxon, not present in North America
plicata (L.) Weber ex F. H. Wigg. = misidentification for North America
prostrata Vainio ex Räsänen = *U. barbata*, misidentification for North America?
retifera Motyka = *U. intermedia* (Clerc 2007)
rigida (Ach.) Motyka (Halonen et al. 1998) = *U. quasirigida*
rubiginea (Michaux) A. Massal. = *U. strigosa* subsp. *rubiginea*
rugulosa Vainio = *U. scabrata*
scabiosa Motyka = *U. scabrata* (Clerc 2007)
scabrata subsp. *nylanderiana* Motyka = chemotype of *U. scabrata*
schadenbergiana Göpp. & Stein (Clerc 2007) N.A. reports are *U. subgracilis* (Truong et al. 2013)
shimadai Asahina In North America, only known in Mexico (Clerc 2004)
similis Motyka ex Räsänen = *U. subfloridana*
soreidifera (Arnold) Lynge = *U. glabrata*
soreidifera sensu Motyka = *U. substerilis* (Clerc 2007)
spinulifera (Vainio) Motyka = *U. dasaea* (Clerc 2007)
stuppea (Räsänen) Motyka = *U. substerilis* (Clerc 2007)
subcavata Motyka = *U. perplectata*
subhirta (Vainio) Motyka = *U. cornuta* subsp. *cornuta* (Clerc 2007)
sublaxa Vainio = *U. dasopoga*
substerilis Motyka = *U. lapponica* (Mark et al. 2016)
sulphurea Th. Fr. (Tuckerman 1882) Reports from Arctic America = *Usnea sphacelata*
variolosa Motyka = *U. hirta* (Clerc 1997)
wirthii Clerc = *U. flavocardia*

USNOCETRARIA M. J. Lai & C. J. Wei

oakesiana (Tuck.) M. J. Lai & C. J. Wei Syns.: *Allocetraria oakesiana*, *Cetraria oakesiana*,
Tuckermannopsis oakesiana (Thell et al. 2009)

VAHLIELLA P. M. Jørg. (Jørgensen 2008)

californica (Tuck.) P. M. Jørg. (Jørgensen 2008) Syns. *Fuscopannaria californica*, *Pannaria*
microphylla var. *californica*
globigera (Fryday & P. M. Jørg.) P. M. Jørg. (Jørgensen 2008) Syn.: *Fuscopannaria globigera*
hookerioides (P. M. Jørg.) P. M. Jørg. (Jørgensen 2008) Syn.: *Fuscopannaria hookerioides*

labrata (P. M. Jørg.) P. M. Jørg. (Jørgensen 2008) Syn.: *Fuscopannaria labrata*
leucophaea (Vahl) P. M. Jørg. (Jørgensen 2008) Syns.: *Fuscopannaria leucophaea*, *Pannaria leucophaea*, *Parmeliella microphylla*
saubinetii (Mont.) P. M. Jørg. (Jørgensen 2008) Syns.: *Fuscopannaria saubinetii*, *Parmeliella saubinetii*

VAINIONORA Kalb

americana Kalb, Tønsberg & Elix (Kalb 2004b)

VARICELLARIA Nyl.

lactea (L.) Schmitt & Lumbsch (McMullin et al. 2017, Tønsberg 2018)

rhodocarpa (Körber) Th. Fr. Syn.: *Pertusaria rhodocarpa*

velata (Turner) Schmitt & Lumbsch (Schmitt et al. 2012) Syn.: *Pertusaria velata*
kemensis Räsänen = *V. rhodocarpa*

VARIOLARIA Pers. (Lendemer et al. 2013, Lendemer & Harris 2017)

amara Ach. = *Lepra amara*

multipunctoides (Dibben) Lendemer, Hodkinson & R. C. Harris = *Lepra multipunctoides*

ophthalmiza (Nyl.) Darb. = *Lepra ophthalmiza*

pustulata (Brodo & W. L. Culb.) Lendemer, Hodkinson & R. C. Harris = *Lepra pustulata*

trachythallina (Erichsen) Lendemer, Hodkinson & R. C. Harris = *Lepra trachythallina*

waghornei (Hulting) Darb. = *Lepra waghornei*

VARIOSPORA Arup, Søchting & Frödén (Arup et al. 2013)

aurantia (Pers.) Arup, Søchting & Frödén Syns.: *Caloplaca aurantia*, *C. callopisma*

#velana (A. Massal.) Arup, Søchting & Frödén Syn.: *Caloplaca velana*

VERMILACINIA Spjut & Hale (Spjut 1996) = **NIEBLA** (Bowler & Marsh 2004)

acicularis Spjut (Spjut 1996) = *Niebla ceruchoides*

cephalota (Tuck.) Spjut & Hale (Spjut 1996) = *Niebla cephalota*

cerebra Spjut (Spjut 1996) = *Niebla ceruchis*

ceruchoides (Rundel & Bowler) Spjut (Spjut 1996) = *Niebla ceruchoides*

combeoides (Nyl.) Spjut & Hale (Spjut 1996) = *Niebla combeoides*

corrugata Spjut (Spjut 1996) = *Niebla ceruchis*

howei Spjut (Spjut 1996) = *Niebla ceruchis*

laevigata (Rundel & Bowler) Spjut (Spjut 1996) = *Niebla laevigata*

leopardina Spjut (Spjut 1996) = *Niebla ceruchis*

nylanderi Spjut (Spjut 1996) = *Niebla ceruchis*

paleoderma Spjut (Spjut 1996) = *Niebla laevigata*

polymorpha (Bowler, Marsh, T. H. Nash & Riefner) Spjut (Spjut 1996) = *Niebla polymorpha*

procera (Bowler & Rundel) Spjut (Spjut 1996) = *Niebla procera*

pumila Spjut (Spjut 1996) = *Niebla ceruchoides*

reptiloderma Spjut (Spjut 1996) = *Niebla cedrosensis*

robusta (Howe) Spjut & Hale (Spjut 1996) = *Niebla robusta*

tigrina (Follmann) Spjut & Hale (Spjut 1996) = misidentification for North America

tuberculata (Riefner, Bowler, J. E. Marsh & T. H. Nash) Spjut (Spjut 1996) = *Niebla tuberculata*

zebrina Spjut (Spjut 1996) = *Niebla ceruchis*

VERRUCARIA Schrader

acrotella Ach.

adelminienii Zschacke (Breuss 2007b)

aethiobola Wahlenb.

alutacea Wallr. (Breuss 2007b)

americana (B. de Lesd.) Breuss Syn.: *Endopyrenium americanum* (Breuss 2007b)

amylacea Hepp

anziana Garov. (Spribille et al. 2020)

applanata Hepp
aquatilis Mudd (Spribille et al. 2020)
arctica Lynge
aspecta Breuss (Breuss 2007b)
asperula Servít (Breuss 2007b)
beltraminiana (A. Massal.) Trevisan (Breuss 2007b)
bernaicensis Malbr. (Breuss 2007b)
#bernardinensis Breuss (Breuss 2007b)
boccana Servít (Knudsen & Kocourková 2012b)
breussii Diederich & van den Boom (McCune et al. 2014b)
bryoctona (Th. Fr.) A. Orange (Breuss 2002b)
caerulea DC.
calkinsiana Servít
carbonusta Breuss (Hutten et al. 2013)
cataleptoides (Nyl.) Nyl.
#cetera Breuss (Breuss 1998)
ceuthocarpa Wahlenb.
confluens A. Massal. (Breuss 2007b, McCune et al. 2014b)
dacryodes Nyl.
degelii R. Sant.
denudata Zschacke (McMullin et al. 2017)
deversa Vainio
ditmarsica Erichsen
divergens Nyl.
dolomitica (A. Massal.) Kremp. (McCune et al. 2014b)
dolosa Hepp
elaena Borrer (Breuss 2007b, Knudsen 2007c)
elaemelaena (A. Massal.) Arnold
endocarpoides Servít (Breuss 2007b)
epimaura Brodo (Brodo & Santesson 1997)
erichsenii Zschacke
#falcata Breuss (Breuss 2007b)
fayettensis Servít
finkiana Servít
fischeri Müll. Arg. (McCune et al. 2014b)
floerkeana Dalla Torre & Sarnth (Breuss 2007b)
fraudulosa Nyl. (Breuss 2007b)
funckii (Sprengel) Zahlbr.
furfuracea (B. de Lesd.) Breuss (Breuss 2007b, Knudsen 2007c)
fusca Pers. (Tucker et al. 2006)
fuscoatroides Servít (Knudsen & La Doux 2006)
fusconigrescens Nyl.
glaucovirens Grumann
halizoa Leighton
hochstetteri Fr. (McCune et al. 2014b)
hydrela Ach.
illinoisensis Servít
incrassata Breuss (Breuss 2007b)
#inficiens Breuss Syns.: *Catapyrenium plumbeum*, *Dermatocarpon plumbeum*, *Endopyrenium plumbeum* (Breuss 1998)
inornata Servít (Breuss 2007b)
integra (Nyl.) Nyl.
internigrescens (Nyl.) Erichsen
iovensis Servít
kondaensis Vainio (McCune et al. 2014b)
kootenaica Breuss & T. Sprib. (Breuss & Spribille 2001)

latebrosa Körber (Spribille et al. 2010)
lobata J. W. Thomson
macrostoma Dufour ex DC.
maculicarpa Breuss (Breuss 2007b)
margacea (Wahlenb.) Wahlenb.
memnonia (Flotow) Arnold (Tucker et al. 2006, Breuss 2007b)
mimicrans Servít (Breuss 2007b, Knudsen 2007c)
minor Breuss (Breuss 2007b) Syn.: *Verruculopsis minutum* (Krzewicka 2012)
muralis Ach.
murorum (Arnold) Lindau (Breuss 2007b)
nigrescens Pers.
nigrescentoidea Fink
nigrofusca Servít (Breuss 2007b)
novomexicana B. de Lesd.
obductilis (Nyl.) Zschacke (Nash et al. 1998)
obnigrescens Nyl.
obsoleta Lyngé
olivascens Servít (Breuss 2021)
onensis Vainio (Breuss 2007b)
ossiseda Lyngé
othmarii K. Knudsen & Arcadia (Knudsen & Kocourková 2012a)
phaeothelena Th. Fr.
phloeophila Breuss (Breuss 2002b)
pinguicula A. Massal.
poeltii (Servít) Breuss (McCune et al. 2014b)
praetermissa (Trevisan) Anzi
prominula Nyl.
prosoplectenchymatica Servít (Breuss 2007b)
pseudonigrescens Servít
putnae Servít (McCune et al. 2014b)
quercina Breuss (Breuss 2007b)
riddleana R. C. Harris (Harris 1995a)
runderella Nyl.
rufufuscella Servít (Breuss 2007b, Knudsen 2007c)
rupestris Schrader
sandstedei B. de Lesd.
schindleri Servít (Breuss 2007b)
schofieldii Brodo (Brodo & Santesson 1997)
silicicola Fink
sorbicola Servít
sordida Fink
sphaerospora Anzi (Goward et al. 1996)
sphinctrina Ach.
subdivisa Breuss (Breuss 2007b)
subglauca B. de Lesd.
submersella Servít
submuralis Nyl.
subvirens Servít (McCune et al. 2014b)
tectorum (A. Massal.) Körber
thujae Lendemer & Breuss (Lendemer & Breuss 2009)
trabicola Arnold ex Servít (Nash et al. 1998, Breuss 2007b)
turgida Servít (Breuss 2007b, Knudsen 2007c)
umbrinula Nyl.
viridigrana Breuss (Breuss 2002b)
viridula (Schrader) Ach.
xyloxena Norman (Breuss 2002b)

amphibia Clemente = *Hydropunctaria amphibia* (Orange 2012)
 aquilella Nyl. = *V. aethiobola*
 bacillosa Nyl. = *Sarcopyrenia bacillosa*
 baldensis A. Massal. (Halda 2003) = *Bagliettoa baldensis* (Breuss 2007b)
 calciseda DC. = *Bagliettoa calciseda*
 canella Nyl. = *Placopyrenium canellum*
 cestrensis Tuck. ex E. Michener = *Pseudosagedia cestrensis*
 circumspersella Nyl. = *Thelidium circumspersellum*, but apparent misidentification for North America (Nash 2002)
 #compacta (A. Massal.) Jatta (Knudsen & La Doux 2005) = *Heteroplacidium compactum*
 consequella Nyl. (Nylander 1891) = *Arthopyrenia consequella* (Identity uncertain)
 devergescens Nyl. = *V. margacea*
 diffractella Nyl. = *Willeya diffractella*
 disjuncta Arnold = *Parabagliettoa disjuncta*
 exalbida Nyl. = *Polyblastia exalbida*
 fulva Cumm. Identity uncertain, illegitimate homonym of *V. fulva* Hoffm. (Dillman et al. 2012)
 fuscella (Turner) Winch = *Placopyrenium fuscillum*
 fuscella var. *glaucina* (Ach.) Schaerer = *V. caerulea*
 glaucina Ach. = *V. caerulea*
 hymnothora Ach. = *Granulopyrenis hymnothora*
 iowensis Servit = *V. fayettensis*
 intercedens Nyl. = *Polyblastia cupularis*
 kernstockii Zschacke = *Hydropunctaria rheitrophila*
 laevata Ach. = *V. aethiobola*
 lecideoides (A. Massal.) Trevisan = *Placopyrenium lecideoides*
 marmorea (Scop.) Arnold = *Bagliettoa marmorea* (Yuzon et al. 2014)
 maura Wahlenb. = *Hydropunctaria maura*
 melas Herre = *Wahlenbergiella striatula* (Knudsen 2012)
 microbola Tuck. = *Thelidium fontigenum*
 microspora auct. = *V. halizoa*
 microspora Nyl. = *V. striatula*
 mucosa Wahlenb. = *Wahlenbergiella mucosa*
 mutabilis Borrer ex Leighton = nom. illegit.
 obtenta Nyl. = *Sporodictyon terrestre* (Dillman et al. 2012)
 papillosa Ach. (Breuss 2007b, Knudsen et al. 2008b) = *V. viridula* (Orange 2004)
 papillosa Flörke non Ach. = *V. floerkeana* (Breuss 2007b)
 pernigrata Nyl. = *Protothelenella sphinctrinoides* (Dillman et al. 2012)
 perpusilla Russell (Fink 1935) = *Thelidium perpusillum* (A. W. Russell) Zahlbr. Uncertain for North America
 rheitrophila Zschacke = *Hydropunctaria rheitrophila*
 rubrocincta Breuss (Breuss 2000) = *Bagliettoa rubrocincta* (Yuzon et al. 2014)
 rupicola (B. de Lesd.) Breuss non (L.) Humb. = *V. othmarii* (Knudsen & Kocourková 2012a)
 sprucei (Lönnr.) Bab (Fink 1935) = *Thelidium papulare* (Nimis & Martellos 2003)
 stanfordii Herre = *Placopyrenium stanfordii*
 striatula Wahlenb. = *Wahlenbergiella striatula*
 submersa Schaerer = *V. submersella*
 subsuperficialis Fink = *V. striatula*
 tavaresiae R. Moe (Moe 1997) = *Wahlenbergiella tavaresiae*
 terebrata (Mudd) Leighton (Fink 1935) = *Staurothele rupifraga* (Smith 1926)
 virens Nyl. = *V. glaucovirens*
 zamenhofiana Clauzade & Cl. Roux = *Heteroplacidium zamenhofianum* (Kocourková et al. 2012)

VERRUCOCCUM V. Atienza, D. Hawksw. & Pérez-Ort. (Atienza et al. 2021)

***spribillei** V. Atienza, D. Hawksw. & Pérez-Ort.

- VERRUCULOPSIS** Gueidan, Nav.-Ros. & Cl. Roux
minutum (Hepp) Krzewicka = *Verrucaria minor*
- VESTERGRENOPSIS** Gyelnik = **TINGIOPSISIDIUM** (Hafellner & Spribille 2016)
elaeina (Wahlenb.) Gyelnik = *Tingiopsidium elaeinum*
isidiata (Degel.) E. Dahl = *Tingiopsidium isidiatum*
sonomensis (Tuck.) T. Sprib. & Muggia (Spribille & Muggia 2012) = *Tingiopsidium sonomense*
- VEZDAEA** Tschermak-Woess & Poelt
acicularis Coppins (Brodo 2001; Lendemer & Yahr 2004)
#aestivalis (Ohlert) Tscherm.-Woess & Poelt (Spribille et al. 2020)
cobria Giralt, Poelt & Suanjak (Spribille et al. 2020)
leprosa (P. James) Vězda (Buck et al. 1999)
retigera Poelt & Döbbeler (Lendemer & Yahr 2004)
rheocarpa Poelt & Döbbeler (Westberg 2004b)
schuyleriana Lendemer (Lendemer 2011c)
stipitata Poelt & Döbbeler
- VIGNERONIA** Ertz (Ertz et al. 2015b)
cypressi (R. C. Harris) Ertz & Tehler
- VIOLELLA** T. Sprib. (Spribille et al. 2011a)
fucata (Stirton) T. Sprib. Syn.: *Mycoblastus fucatus*
- VIRIDOTHELIUM** Lücking, M. P. Nelsen & Aptroot
virens (Tuck. ex Michener) Lücking, M. P. Nelsen & Aptroot Syn.: *Trypethelium virens* (Aptroot et al. 2016)
- VOUAUXIELLA** Petrak & Sydow
**lichenicola* (Lindsay) Petrak & Sydow (Esslinger & Egan 1995)
**verrucosa* (Vouaux) Petrak & Sydow (Diederich 2003)
- VOUAUXIOMYCES** Dyko & D. Hawksw.
**truncatus* (B. de Lesd.) Dyko & D. Hawksw. (= anamorph of *Abrothallus microspermus*)
- VULPICIDA** J.-E. Mattsson & M. J. Lai
canadensis (Räsänen) J.-E. Mattsson & M. J. Lai Syns.: *Cetraria canadensis*, *Tuckermannopsis canadensis*
juniperina (L.) J.-E. Mattsson & M. J. Lai (Saag et al. 2014)
pinastri (Scop.) J.-E. Mattsson & M. J. Lai Syns.: *Cetraria pinastri*, *Tuckermannopsis pinastri*
viridis (Schwein.) J.-E. Mattsson & M. J. Lai Syns.: *Cetraria viridis*, *Tuckermannopsis viridis*
tilesii (Ach.) J.-E. Mattsson & M. J. Lai = *Vulpicida juniperina* (Saag et al. 2014)
- WAHLENBERGIELLA** Gueidan & Thüs (Gueidan et al. 2009)
mucosa (Wahlenb.) Gueidan & Thüs Syn.: *Verrucaria mucosa*
striatula (Wahlenb.) Gueidan & Thüs Syns.: *Verrucaria melas*, *V. striatula*
tavaresiae (R. L. Moe) Gueidan, Thüs, & Pérez-Ortega Syn.: *Verrucaria tavaresiae* (Gueidan et al. 2011)
- WAYNEA** Moberg
californica Moberg Erroneously listed here as a synonym of *W. stoechadiana*
stoechadiana (Abbassi Maaf & Cl. Roux) Cl. Roux & Clerc = Not in North America
- WEDDELLOMYCES** D. Hawksw.
**xanthoparmeliae* Calat. & Nav.-Ros. (Kocourková & Knudsen 2008)

WENTIOMYCES Koord.

**peltigericola* D. Hawksw. (Alstrup & Cole 1998) = *Niesslia peltigericola* (Gams et al. 2019)

WETMOREANA Arup, Søchting & Frödén (Arup et al. 2013)

texana (Wetmore & Kärnefelt) Arup, Frödén & Søchting Syn.: *Caloplaca texana*

WILLEYA Müll. Arg. (Gueidan & Lendemer 2015)

diffractella (Nyl.) Müll. Arg. Syn.: *Endocarpon tenuissimum*, *E. diffractellum*, *Staurothele diffractella*, *Verrucaria diffractella*

WOLSELEYIDEA S. Y. Kondr., E. Farkas & L. Lökös (Kondratyuk et al. 2019)

ochroxantha (Nyl.) S. Y. Kondr., E. Farkas & L. Lökös Syn.: *Lecidea ochroxantha*, *Phyllopsora ochroxantha*, *P. corallina* var. *ochroxantha* (Kondratyuk et al. 2019)

XANTHOCARPIA A. Massal. & De Not. (Arup et al. 2013)

crenulatella (Nyl.) Frödén, Arup & Søchting Syn.: *Caloplaca crenulatella*

erichansenii (S. Y. Kondr., A. Thell, Kärnefelt & Elix) Frödén, Arup & Søchting. Syn.: *Caloplaca erichansenii*

feracissima (H. Magn.) Frödén, Arup & Søchting Syn.: *Caloplaca feracissima*

lactea (A. Massal.) A. Massal. Syn.: *Caloplaca lactea*

marmorata (Bagl.) Frödén, Arup & Søchting Syn.: *Caloplaca marmorata*

tominii (Savicz) Frödén, Arup & Søchting Syn.: *Caloplaca tominii*

XANTHOMENDOZA S. Y. Kondr. & Kärnefelt

borealis (R. Sant. & Poelt) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria borealis* (Søchting et al. 2002)

concinna (J. W. Thomson & T. H. Nash) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria concinna* (Søchting et al. 2002)

fallax (Hepp ex Arnold) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria fallax* (Søchting et al. 2002)

fulva (Hoffm.) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria fulva* (Søchting et al. 2002)

galericulata L. Lindblom (Lindblom 2006)

hasseana (Räsänen) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria hasseana* (Søchting et al. 2002)

mendozae (Räsänen) S. Y. Kondr. & Kärnefelt Syn.: *Xanthoria mendozae* (Lindblom 2004a)

montana (L. Lindblom) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria montana* (Søchting et al. 2002)

oregana (Gyelnik) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria oregana* (Søchting et al. 2002)

subramulosa (Räsänen) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria subramulosa* (Søchting et al. 2002) According to Lindblom (1997), this is a synonym of *X. fulva*

trachyphylla (Tuck.) Frödén, Arup & Søchting Syn.: *Caloplaca trachyphylla*, *Placodium elegans* var. *trachyphyllum*

ulophyllodes (Räsänen) Søchting, Kärnefelt & S. Y. Kondr. Syn.: *Xanthoria ulophyllodes* (Søchting et al. 2002)

weberi (S. Y. Kondr. & Kärnefelt) L. Lindblom (Lindblom 2006) Syn.: *Oxneria weberi*, *Xanthoria wetmorei*

alfredii (S. Y. Kondr. & Poelt) Søchting, Kärnefelt & S. Y. Kondr. = North American report is *X. montana*

rosemariae S. Y. Kondr. & Kärnefelt (Lumbsch et al. 2011) = *X. weberi* (Knudsen et al. 2011b)

XANTHOPARMELIA (Vainio) Hale

ahtii (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b) Syn.: *Neofuscelia ahtii*, *Parmelia ahtii*

ajoensis (T. H. Nash) Egan Syn.: *Parmelia ajoensis*

amableana (Gyelnik) Hale (Nash & Elix 2004)

angustiphylla (Gyelnik) Hale

arida Egan & Derstine
atticoides (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b)
 Syns.: *Neofuscelia atticoides*, *Parmelia atticoides*
australasica D. J. Galloway
barbatica (Elix) Egan
brunella (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b) Syns.:
Neofuscelia brunella, *Parmelia brunella*
californica Hale
camtschadalis (Ach.) Hale Syn.: *Parmelia camtschadalis*
chiricahuensis (R. A. Anderson & W. A. Weber) O. Blanco, A. Crespo, Elix, D. Hawksw. &
 Lumbsch (Blanco et al. 2004b) Syns.: *Neofuscelia chiricahuensis*, *Parmelia chiricahuensis*
chlorochroa (Tuck.) Hale Syn.: *Parmelia chlorochroa*
coloradoënsis (Gyelnik) Hale
commonii Elix & T. H. Nash (Elix & Nash 1999)
consociata (Elix) Elix & Johnston (Nash et al. 1998)
conspersa (Ehrh. ex Ach.) Hale Syns.: *Parmelia conspersa*, *P. isidiata*
cumberlandia (Gyelnik) Hale Syn.: *Parmelia cumberlandia*
dierythra (Hale) Hale Syn.: *Parmelia dierythra*
digitiformis (Elix & P. M. Armstr.) Filson (Nash & Elix 2004)
dissensa (T. H. Nash) Hale Syn.: *Parmelia dissensa*
eganii Elix & T. H. Nash (Elix & Nash 1999)
huachucensis (T. H. Nash) Egan Syn.: *Parmelia huachucensis*
hypofusca (Gyelnik) Hodgkinson & Lendemer (Hodkinson & Lendemer 2011)
hypomelaena (Hale) Hale Syn.: *Parmelia hypomelaena*
idahoensis Hale
incerta (Kurok. & Filson) Elix & J. Johnst. (Nash & Elix 2004)
infrapallida (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004)
 Syns.: *Neofuscelia infrapallida*, *Parmelia infrapallida*
isidiascens Hale
isidiigera (Müll. Arg.) Elix & J. Johnst. (Nash & Elix 2004)
isidiosa (Müll. Arg.) Elix & Johnston (Nash et al. 1998)
joranadia (T. H. Nash) Hale Syn.: *Parmelia joranadia*
knudsenii Elix, A. Thell & Søchting (Thell et al. 2009)
lavicola (Gyelnik) Hale Syn.: *Parmelia kurokawae*
lineola (E. C. Berry) Hale Syn.: *Parmelia lineola*
lipochlorochroa Hale & Elix
lobulatella T. H. Nash & Elix (Nash & Elix 2004)
loxodes (Nyl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b) Syns.:
Neofuscelia loxodes, *Parmelia isidiotyla*, *P. loxodes*
maricopensis T. H. Nash & Elix
mexicana (Gyelnik) Hale Syn.: *Parmelia mexicana*
moctezumensis T. H. Nash
montanensis Hale
monticola (J. P. Dey) Hale Syn.: *Parmelia monticola*
mougeotii (Schaerer) Hale Syn.: *Parmelia mougeotii*
neochlorochroa Hale
neocongensis (Hale) Hale (Nash et al. 1998)
neoconspersa (Gyelnik) Hale Syn.: *Parmelia neoconspersa*
neorimalis (Elix & P. M. Armstr.) Elix & T. H. Nash (Nash & Elix 2004)
neotaractica Hale
neowyomingica Hale
nigrolavicola T. H. Nash & Elix (Nash & Elix 2004)
nigropsoromifera (T. H. Nash) Egan Syn.: *Parmelia nigropsoromifera*
nigroweberi T. H. Nash & Elix (Nash & Elix 2004)
norchlorochroa Hale
norhypopsila Hale

novomexicana (Gyelnik) Hale Syn.: *Parmelia novomexicana*, *P. tuberculata*, *P. arseneana*
occidentalis (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b)
 Syn.: *Neofuscelia occidentalis*, *Parmelia occidentalis*
oleosa (Elix & P. M. Armstrong) Elix & T. H. Nash
piedmontensis (Hale) Hale Syn.: *Parmelia piedmontensis*
planilobata (Gyelnik) Hale
plittii (Gyelnik) Hale Syn.: *Parmelia plittii*
pseudocongensis Hale (Nash & Elix 2004)
psoromifera (Kurok.) Hale Syn.: *Parmelia psoromifera*
pustulosa (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b)
 Syn.: *Neofuscelia pustulosa*, *Parmelia pustulosa*
schmidtii Hale
standaertii (Gyelnik) Hale (Nash & Elix 2004)
stenophylla (Ach.) Ahti & D. Hawksw. Syn.: *Parmelia stenophylla* (Ahti & Hawksworth 2005)
stenophylloides (Müll. Arg.) Hale
subcumberlandia Elix & T. H. Nash (Nash & Elix 2004)
subdecipiens (Vainio) Hale Syn.: *Parmelia subdecipiens*
subhosseana (Essl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b)
 Syn.: *Neofuscelia subhosseana*, *Parmelia subhosseana*
subplittii Hale (Nash & Elix 2004)
subramigera (Gyelnik) Hale Syn.: *Parmelia subramigera*
substenophylloides Hale
subtasmanica Elix & T. H. Nash (Nash & Elix 2004)
tegeta Elix & Johnston (Nash et al. 1998)
tinctina (Maheu & Gillet) Hale (Nash & Elix 2004)
tuberculata (Gyelnik) T. H. Nash & Elix (Nash & Elix 2004)
tuckeriana Elix & T. H. Nash (Nash & Elix 2004)
tucsonensis (T. H. Nash) Egan Syn.: *Parmelia tucsonensis*
vagans (Nyl.) Hale
verruculifera (Nyl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch (Blanco et al. 2004b)
 Syn.: *Neofuscelia verruculifera*, *Parmelia verruculifera*
viriduloumbrina (Gyelnik) Lendemmer (Lendemmer 2005b)
weberi (Hale) Hale Syn.: *Parmelia weberi*
wyomingica (Gyelnik) Hale Syn.: *Parmelia wyomingica*
arseneana (Gyelnik) Hale = *X. novomexicana*
centrifuga (L.) Hale = *Arctoparmelia centrifuga*
congensis (Stein) Hale Syn.: *Parmelia congensis*, but only known as far north as Mexico
hypopsila (Müll. Arg.) Hale = misidentification for North America; most specimens are *X. angustiphylla*
angustiphylla
incurva (Pers.) Hale = *Arctoparmelia incurva*
ioanis-simae (Gyelnik) Hale = *X. taractica*, but see note below
kurokawae (Hale) Hale = *X. lavicola*
lecanorica (Hale) Hale Syn.: *Parmelia lecanorica* Not in North America
separata (Th. Fr.) Hale = *Arctoparmelia separata*
somloënsis (Gyelnik) Hale = *Xanthoparmelia stenophylla*
subcentrifuga (Oxner) Hale = *Arctoparmelia subcentrifuga*
subconsersa (Nyl.) Hale = *Flavoparmelia rutidota*
taractica (Kremp.) Hale = known from Mexico, but misidentification for our area; western N.A. specimens are mostly *X. coloradoensis* and eastern N.A. specimens are mostly *X. viriduloumbrina*
tasmanica (Hooker f. & Taylor) Hale North American reports are *X. hypofusca*
tinctina (Maheu & A. Gillet) Hale Not in North America

XANTHOPSORA Gotth. Schneider & W. A. Weber = XANTHOPSORELLA
texana (W. A. Weber) Gotth. Schneider & W. A. Weber = *Xanthopsorella texana*

XANTHOPSORELLA Kalb & Hafellner

texana (W. A. Weber) Kalb & Hafellner Syn.: *Xanthopsora texana*, *Psora texana*, *Lecidea texana*

XANTHORIA (Fr.) Th. Fr.

parietina (L.) Th. Fr. Syn.: *Teloschistes parietinus*

tibellii S. Y. Kondr. & Kärnefelt (Kondratyuk & Kärnefelt 2003a)

alaskana J. W. Thomson = *Polycauliona polycarpa* (Lindblom 1997)

alfredii S. Y. Kondr. & Poelt (Kondratyuk & Poelt 1997) = North American report is

Xanthomendoza montana (Lindblom 1997)

ascendens S. Y. Kondr. (Lindblom 2004b) = *Polycauliona ascendens*

borealis R. Sant. & Poelt = *Xanthomendoza borealis*

candelaria (L.) Th. Fr. = *Polycauliona candelaria*

candelaria var. **finmarkica** (Ach.) Hillmann = *Polycauliona candelaria*

concinna J. W. Thomson & T. H. Nash = *Xanthomendoza concinna*

elegans (Link) Th. Fr. = *Rusavskia elegans*

elegans var. **splendens** (Darb.) M. S. Christ. ex Poelt = *Rusavskia elegans*

fallax (Hepp ex Arnold) Arnold = *Xanthomendoza fallax*

fulva (Hoffm.) Poelt & Petut. (Esslinger & Egan 1995) = *Xanthomendoza fulva*

hasseana Räsänen = *Xanthomendoza hasseana*

lobulata (Flörke) B. de Lesd. = *Calogaya lobulata*

mendozae Räsänen = *Xanthomendoza mendozae*

montana L. Lindblom (Lindblom 1997) = *Xanthomendoza montana*

oregana Gyelnik (Lindblom 1997) = *Xanthomendoza oregana*

papillifera (Vainio) Poelt = *Rusavskia papillifera*

pollinarioides L. Lindblom & D. M. Wright (Lindblom 2004b) = *Polycauliona pollinarioides*

polycarpa (Hoffm.) Th. Fr. ex Rieber = *Polycauliona polycarpa*

ramulosa (Tuck.) Herre = *Polycauliona polycarpa* (Lindblom 1997)

sorediata (Vainio) Poelt = *Rusavskia sorediata*

subramulosa Räsänen = *Xanthomendoza subramulosa*

tenax L. Lindblom (1997) = *Polycauliona tenax*

tenuiloba L. Lindblom (Lindblom 2004b) = *Polycauliona tenuiloba*

ulophylloides Räsänen = *Xanthomendoza ulophylloides*

weberi S. Y. Kondr. & Kärnefelt = *Xanthomendoza weberi*

wetmorei S. Y. Kondr. & Kärnefelt (Kondratyuk & Kärnefelt 2003a) = *Xanthomendoza weberi*

(Knudsen et al. 2011b)

XENONECTRIELLA Weese

***fissuriprodiens** (Etayo) Etayo (Spribille et al. 2010) Syn.: *Pronectria fissuriprodiens* (Diederich et al. 2018)

***lutescens** (Arnold ex Rehm) Weese (Zhurbenko 2009a)

***nephromatis** Pérez-Ort. (Spribille et al. 2020)

XENOPHOMA Crous & Trakun.

puncteliae Crous & Trakun. Syn.: *Phoma puncteliae* (Diederich et al. 2018)

XEROTREMA Sherwood & Coppins

†**megalospora** Sherwood & Coppins

XYLEBORUS R. C. Harris & Ladd (Harris & Ladd 2007)

nigricans R. C. Harris & Lendemer (Lendemer & Harris 2015b)

sporodochifer R. C. Harris & Ladd (Harris & Ladd 2007)

XYLOGRAPHA (Fr.) Fr.

bjorkkii T. Sprib. (Spribille et al. 2014a)

carneopallida (Räsänen) T. Sprib. (Spribille et al. 2014a)

crassithallia B. D. Ryan & T. H. Nash (Ryan 2004b) Possibly a synonym of *X. difformis*

(Spribille et al. 2014a)
difformis (Vainio) Vainio (Spribille et al. 2014a)
disseminata Willey
erratica T. Sprib. (Spribille et al. 2014a)
hians Tuck.
opegraphella Nyl.
pallens (Nyl.) Malmgren (Spribille et al. 2014a)
parallela (Ach.) Fr.
rubescens Räsänen (Spribille et al. 2014a)
schofieldii T. Sprib. (Spribille et al. 2014a)
septentrionalis T. Sprib. (Spribille et al. 2014a)
soralifera Holien & Tønsberg (Holien & Tønsberg 2008)
stenospora T. Sprib. & Resl (Spribille et al. 2014a)
trunciseda (Th. Fr.) Minks ex Redinger
vermicularis T. Sprib. (Spribille et al. 2014a)
vitiligo (Ach.) J. R. Laundon
abietina (Pers.) Zahlbr. = X. parallela
micrographa G. Merr. = X. hians
pruinodisca B. D. Ryan & T. H. Nash (Ryan 2004b) = X. difformis (Spribille et al. 2014a)
spilomatica (Anzi) Th. Fr. = X. vitiligo

XYLOPSORA Bendiksby & Timdal (Bendiksby & Timdal 2013)
canoeporum Timdal, Reese Naesborg & Bendiksby (Bendiksby et al. 2018)
friesii (Ach.) Bendiksby & Timdal Syn.: *Hypocenomyce friesii*, *Lecidea friesii*, *L. myrmecina*, *Psora friesii*

XYLOSCHISTES Vainio ex Zahlbr
platytropa (Nyl.) Vainio (Spribille & Björk 2008)

ZAHLBRUCKNERELLA Herre
calcareo (Herre) Herre
californica Henssen
fabispora Henssen

ZAMENHOFIA Clauzade & Cl. Roux = **PORINA**
hibernica (P. James & Swinscow) Clauzade & Cl. Roux = *Porina hibernica*

ZWACKHIA Körber
viridis (Pers. ex Ach.) Poetsch & Schied. (Ertz & Tehler 2011) Syn.: *Opegrapha viridis*

ZWACKHIOMACROMYCES Etayo & van den Boom
***hyalosporus** (Alstrup, D. Hawksw. & R. Sant.) Etayo & R. Sant. Syn.: *Pyrenidium hyalosporum* (Diederich et al. 2018)

ZWACKHIOMYCES Grube & Hafellner
***arenicola** R. C. Harris (Harris 1995a)
***berengerianus** (Arnold) Grube & Triebel
***cladoniae** (C. W. Dodge) Diederich (Alstrup & Cole 1998)
***coepulonius** (Norman) Grube & R. Sant. (Goward et al. 1996)
***diederichii** D. Hawksw. & Iturr. (Zhurbenko & Pino-Bodas 2017)
***dispersus** (J. Lahm ex Körber) Triebel & Grube Syn.: *Pharcidia dispersa*
***euplocinus** Hafellner, Grube & Egan
***macrosporus** Alstrup & Olech (Zhurbenko 2013)

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APPENDIX – SPECIMEN CITATIONS

Bryophagus gloeocapsa Nitschke ex Arnold – U.S.A. MICHIGAN. Cheboygan Co.: just N of Cheboygan Levering Rd. W of its intersection with Interstate 75; 45°38'N 84°39' W, on terricolous bryophytes, *J. Hafellner* 7998 (GZU).

Pyrenopsis portoricensis Zahlbr. – U.S.A. NORTH CAROLINA. Anson Co.: Flatrock Church Outcrop, E of NC-145, 11.iv.2009, *G.B. Perlmutter* 1827 (NCU). Wake Co.: TLC Temple Flatrock Preserve, 25.iv.2009, *G.B. Perlmutter* 1899 (NCU). GEORGIA. Columbia Co.: TNC Heggie's Rock Preserve, 8.xi.2008, *G.B. Perlmutter* 1644 (NCU). New to North America (communicated G. Perlmutter; specimens identified by Matthias Schultz).

Thelotrema circumscriptum C. Knight – U.S.A. OREGON. Lincoln Co.: Ona Beach State Park, 8 mi. S of Newport, Sitka spruce & pines at shore, 20.viii.1975, *C. M. Wetmore* 24624 (MIN). New to Northern Hemisphere (communicated T. Lumbsch).