



Lichens of Michigan Checklist

Checklist of Lichen-forming, Lichenicolous and Allied Fungi recorded from Michigan

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Introduction

A checklist is presented of all the known lichen species that occur in Michigan, compiled primarily from the collections at the Michigan State University Herbarium (MSC), with additions from the herbaria of the University of Michigan (MICH) and Minnesota (MIN).

The last complete list of the lichens recorded from Michigan was in the Lichens of the Straits Counties, Michigan (Harris, R.C. 1977; published by the author), which also provided keys to all the species. Harris only accepted records supported by herbarium specimens and was aware that many areas were under-recorded, in particular, the rich saxicolous flora of the Upper Peninsula. He recognized that his total of 610 taxa (of which c. 50 were undescribed) was too low and that 'the total for the state might be as high as 700'. In fact, even this has proved to be an under-estimate as the current list includes nearly 800 taxa. This far exceeds the c. 550 recorded from Minnesota (Wetmore unpublished) and the 662 from Wisconsin (Thomson 2003) and makes the lichen flora of Michigan the most extensive of any of the Great Lakes states.

This current list has been compiled from three different sources:

- i) specimens held in the herbaria of Michigan State University (MSC), the University of Minnesota (MIN), and the University of Michigan (MICH)
- ii) species lists for the 3 National Parks in Michigan (Isle Royale, Pictured Rocks and Sleeping Bear Dunes) published on the internet by Drs C.M. Wetmore & J. Bennett. ([NPLichen Database \(https://www.sciencebase.gov/catalog/item/4f4e4b02e4b07fo2db698a6f\)](https://www.sciencebase.gov/catalog/item/4f4e4b02e4b07fo2db698a6f))
- iii) recent published literature records

This provisional checklist includes 184 genera of lichenized fungi, comprising 790 species, 6 subspecies, 2 varieties and 1 forma. Also included are 12 genera that include only non-lichenized taxa. These are either lichenicolous fungi (12 species), or non-lichenized fungi (21 species) that resemble lichenized taxa and are likely to be encountered by those studying lichens. The list is in no way definitive - many of the records included in the present list are in need of confirmation and we welcome comments and corrections. We acknowledge Award No DBI-9808735 (Alan Prather, PI) from the US National Science Foundation, and the help and assistance of Dr C.M. Wetmore, who also kindly made available to us data of all the lichen collections from Michigan held in MIN.

Nomenclature mostly follows the last published Checklist of North American Lichens (Esslinger 1995), with synonyms given when a more recent name is used.

Anyone wishing to identify lichens in Michigan would be well advised to consult Harris's publication mentioned above. Although it is now rather out of date, especially with regard to nomenclature, it is still by far the best and most comprehensive work available. Also worthy of mention are Julie Medlin's book Michigan Lichens (see references below), which is an excellent introduction with good color photographs but includes only a small percentage of the species present in the state, and John Thomson's Lichens of Wisconsin (see below). Also of use are Cliff Wetmore's unpublished Keys to the lichens of Minnesota. Other references to identifying N. American lichens in general can be found at <https://huh.harvard.edu/pages/herbaria> (<https://huh.harvard.edu/pages/herbaria>).

A more detailed version of this list, containing details of voucher specimens for each taxon, has been published in *Contributions from the University of Michigan Herbarium* **23**: 145-223. The current list also differs in containing details of additional taxa not included in the published list and will be updated at regular intervals.

Michigan Lichen Checklist

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
O)*Abrothallus De Not.

parmeliarum* (Sommerf.) Arnold **1(#Note 01).

Absconditella Vezda*lignicola* Vezda & Pisút**Acarospora A. Massal.***americana* H. Magn. [1\(#Note 01\)](#)*badiofusca* (Nyl.) Th. Fr. [1\(#Note 01\)](#)*canadensis* H. Magn.*fuscata* (Schrader) Arnold*glaucocarpa* (Ach.) Körber*immersa* Fink*macrospora* (Hepp) Bagl.*oligospora* (Nyl.) Arnold*smaragdula* (Wahlenb.) A. Massal.**Acrocordia A. Massal.***cavata* (Ach.) R. C. Harris [1\(#Note 01\)](#)*conoidea* (Fr.) Körber [9\(#Note 09\)](#)*gemmata* (Ach.) A. Massal [1\(#Note 01\)](#)*megalospora* (Fink) R. C. Harris**Ahtiana Goward***aurescens* (Tuck.) Thell & Randle [1\(#Note 01\)](#)**Allocetraria Kurokawa & Lai***oakesiana* (Tuck.) Randle & Thell [1\(#Note 01\)](#)**Amandinea M. Choisy ex Scheid. & H. Mayrh***dakotensis* (H. Magn.) P. May & Sheard (Sheard & May 1997) (syn. *Rinodina d.*, *R. finkii*, *R.**inaequalis*, *R. pennsylvanica*, *R. subplumbea*, *R. subpyriniformis*)*milliaria* (Tuck.) P. May & Sheard (syn. *Rinodina m.*) [1\(#Note 01\)](#)*punctata* (Hoffm.) Coppins & Scheid. [1\(#Note 01\)](#)**Amygdalaria Norman***panaeola* (Ach.) Hertel & Brodo [1\(#Note 01\)](#)**Anaptychia Körber***palmulata* (Michaux) Vainio [1\(#Note 01\)](#)*setifera* Räsänen [1\(#Note 01\)](#)**Anisomeridium Müll. Arg.) M. Choisy***biforme* (Borrer) R. C. Harris [1\(#Note 01\)](#)*carinthiacum* (Steiner) R.C. Harris*leucochlorum* (Müll. Arg.) R. C. Harris*polypori* (Ellis & Everh.) M. E. Barr (syn. *A. nyssaegenum* (Ellis & Everh.) R. C. Harris [1\(#Note 01\)](#))**Anzia Stizenb.***colpodes* (Ach.) Stizenb.**Arctoparmelia Hale***centrifuga* (L.) Hale [1\(#Note 01\)](#)*subcentrifuga* (Oksner) Hale [1\(#Note 01\)](#)**Arthonia Ach.***byssacea* (Weigel) Almq. [1\(#Note 01\)](#)*caesia* (Flotow) Körber [1\(#Note 01\)](#)*cytisi* A. Massal. [14\(#Note 14\)](#)*didyma* Körber [1\(#Note 01\)](#)*diffusa* Nyl. [14\(#Note 14\)](#)*diffusella* Fink [1\(#Note 01\)](#)*dispersa* (Schrader) Nyl. [1\(#Note 01\)](#)*fuliginosa* (Schaerer) Flotow [1\(#Note 01\)](#)**intexta* Almq. [1\(#Note 01\)](#)*lapidicola* (Taylor) Branth & Rostrup [9\(#Note 09\)](#)*patellulata* Nyl. [1\(#Note 01\)](#)*punctiformis* Ach. [1\(#Note 01\)](#)*radiata* (Pers.) Ach. [1\(#Note 01\)](#)*spadicea* Leighton [1\(#Note 01\)](#)*vinosa* Leighton*willeji* Tuck.**Arthopyrenia A. Massal.***?cinereopruinosa* (Schaerer) A. Massal.**Arthothelium A. Massal.***hallii* (Tuck.) Zahlbr.*ruanum* (A. Massal.) Körber [9\(#Note 09\)](#)*spectabile* A. Massal [1\(#Note 01\)](#)

Arthrohaphis Th. Fr.*citrinella* (Ach.) Poelt**Arthrosporium A. Massal.***populorum* A. Massal. [1 \(#Note 01\)](#)**Aspicilia A. Massal.***caesiocinerea* (Nyl. ex Malbr.) Arnold [1 \(#Note 01\)](#)*cinerea* (L.) Körber [1 \(#Note 01\)](#)*contorta* (Hoffm.) Kremp. [1 \(#Note 01\)](#)*gibbosa* (Ach.) Körber [1 \(#Note 01\)](#)*grisea* Arnold*laevata* (Ach.) Arnold [1 \(#Note 01\)](#)*limitata* (H. Magn.) J. W. Thomson*supertegens* Arnold**Olbacidia De Not.***bagliettoana* (A. Massal. & De Not.) Jatta [1 \(#Note 01\)](#)*circumspecta* (Norrin & Nyl. ex Vainio) Malme [1 \(#Note 01\)](#)*diffRACTA* S. Ekman [5 \(#Note 05\)](#)*laurocerasi* (Delise ex Duby) Zahlbr. subsp. *laurocerasi* [1 \(#Note 01\)](#)*polychroa* (Th. Fr.) Körber [1 \(#Note 01\)](#)*rosella* (Pers.) De Not. [1 \(#Note 01\)](#)*rubella* (Hoffm.) A. Massal. [1 \(#Note 01\)](#)*schweinitzii* (Fr. ex E. Michener) A. Schneider [1 \(#Note 01\)](#)*subincompta* (Nyl.) Arnold [8 \(#Note 08\)](#)*suffusa* (Fr.) A. Schneider [1 \(#Note 01\)](#)*trachona* (Ach.) Lettau [8 \(#Note 08\)](#)**Bacidina Vezda***inundata* (Fr.) Vezda [1 \(#Note 01\)](#)**Baeomyces Pers.***rufus* (Hudson) Rebert. [1 \(#Note 01\)](#)**Bellemerea Hafellner & Roux***cinereofuscens* (Ach.) Clauzade & Roux**Biatora Fr.***albohyalina* (Nyl.) Bagl. & Carestia*anthracophila* (Nyl.) Hafellner [1 \(#Note 01\)](#)*botryosa* Fr.[*carneoalbida* (Müll. Arg.) Coppins]*chrysantha* (Zahlbr.) Printzen in V. Wirth*efflorescens* (Hedl.) Räsänen [1 \(#Note 01\)](#)[*epixanthoides* (Müll. Arg.) Diederich]*helvola* (Körber) Hellbom [1 \(#Note 01\)](#)[*sphaeroides* (Dickson) Körber]*turgidula* (Fr.) Nyl. [1 \(#Note 01\)](#)*vernalis* (L.) Fr. [1 \(#Note 01\)](#)**Biatoropsis Räsänen***usnearum* Räsänen**Bryoria Brodo & D. Hawksw.***capillaris* (Ach.) Brodo & D. Hawksw. [1 \(#Note 01\)](#)*chalybeiformis* (L.) Brodo & D. Hawksw. [1 \(#Note 01\)](#)*furcellata* (Fr.) Brodo & D. Hawksw. [1 \(#Note 01\)](#)*fuscescens* (Gyelnik) Brodo & D. Hawksw. [1 \(#Note 01\)](#)*implexa* (Hoffm.) Brodo & D. Hawksw. [1 \(#Note 01\)](#)*trichodes* (Michaux) Brodo & D. Hawksw. subsp. *trichodes* [1 \(#Note 01\)](#)*trichodes* subsp. *americana* (Mot.) Brodo & D. Hawksw. [1 \(#Note 01\)](#)**Bryophagus Nitschke ex Arnold***gloeocapsa* Nitschke ex Arnold [4 \(#Note 04\)](#)**Buellia De Not.***arnoldii* Servit & Nád. [1 \(#Note 01\)](#)*dialyta* (Nyl.) Tuck [1 \(#Note 01\)](#)*disciformis* (Fr.) Mudd [1 \(#Note 01\)](#)*lauricassiae* (Fée) Müll. Arg. [1 \(#Note 01\)](#)*polyspora* (Willey) Vainio*schaereri* De Not. [1 \(#Note 01\)](#)*spuria* (Schaerer) Anzi [1 \(#Note 01\)](#)*stillingiana* J. Steiner [1 \(#Note 01\)](#)*turgescens* Tuck. [1 \(#Note 01\)](#)

Ocalicium Pers.

abietinum Pers. [1\(#Note 01\)](#)
glaucellum Ach. [1\(#Note 01\)](#)
lenticulare Ach.
parvum Tibell [1\(#Note 01\)](#)
salicinum Pers. [1\(#Note 01\)](#)
trabinellum (Ach.) Ach. [1\(#Note 01\)](#)

**Caloplaca Th. Fr.**

ahtii Søchting
arenaria (Pers.) Müll. Arg. [1\(#Note 01\)](#)
atroalba (Tuck.) Zahlbr.
cerina (Ehrh. ex Hedwig) Th. Fr. [1\(#Note 01\)](#)
chrysodeta (Vainio ex Räsänen) Dombro. [9\(#Note 09\)](#)
chrysophthalma Degel. [1\(#Note 01\)](#)
cirrochroa (Ach.) Th. Fr. [21\(#Note 21\)](#)
citrina (Hoffm.) Th. Fr.
cladodes (Tuck.) Zahlbr.
conversa (Hoffm.) Th. Fr.
discolor (Willey) Fink
epithallina Lynge [1\(#Note 01\)](#)
feracissima H. Magn. [9\(#Note 09\)](#)
ferruginea (Huds.) Th. Fr. [1\(#Note 01\)](#)
flavorubescens (Huds.) J. R. Laundon [1\(#Note 01\)](#)
flavovirescens (Wulfen) Dalla Torre & Sarnth [1\(#Note 01\)](#)
fraudans (Th. Fr.) H. Olivier [14\(#Note 14\)](#)
grimmiae (Nyl.) H. Olivier
holocarpa (Hoffm. ex Ach.) Wade
invadens Lynge [14\(#Note 14\)](#)
microphyllina (Tuck.) Hasse [9\(#Note 09\)](#), [14\(#Note 14\)](#)
obliterans (Nyl.) Blomb. & Forss. [1\(#Note 01\)](#)
oxfordensis Fink [21\(#Note 21\)](#)
parvula Wetmore [18\(#Note 18\)](#)
pollinii (A. Massal.) Jatta [1\(#Note 01\)](#)
saxicola (Hoffm.) Nordin [21\(#Note 21\)](#)
sideritis (Tuck.) Zahlbr. [1\(#Note 01\)](#)
sinapisperma (Lam. & DC.) Maheu & A. Gillet [1\(#Note 01\)](#), [9\(#Note 09\)](#)
stellata Wetmore & Kärnefelt [21\(#Note 21\)](#)
ulmorum (Fink) Fink [1\(#Note 01\)](#)
vitellinula (Nyl.) H. Olivier [1\(#Note 01\)](#)
xanthotigmoidea (Räsänen) Zahlbr.

Candelaria A. Massal.

concolor (Dickson) Stein [1\(#Note 01\)](#)
fibrosa (Fr.) Müll. Arg.

Candelariella A. Massal.

aurella (Hoffm.) Zahlbr. [1\(#Note 01\)](#)
efflorescens R.C. Harris & W.R. Buck [1\(#Note 01\)](#)
vitellina (Hoffm.) Müll. Arg. [1\(#Note 01\)](#)
xanthostigma (Ach.) Lettau [1\(#Note 01\)](#)

Canomaculina Elix & Hale

subtinctoria (Zahlbr.) Elix (syn. *Rimeliella* s.) [1\(#Note 01\)](#)

Catillaria A. Massal.

globulosa (Flörke) Th. Fr. [9\(#Note 09\)](#)
lenticularis (Ach.) Th. Fr. [9\(#Note 09\)](#)
nigroclavata (Nyl.) Schuler [1\(#Note 01\)](#)
tristis (Müll. Arg.) Arnold

Catinaria Vainio

atropurpurea (Schaerer) Vezda & Poelt [1\(#Note 01\)](#)

Cetraria Ach.

arenarea Kärnefelt [1\(#Note 01\)](#)
ericetorum Opiz subsp. *ericetorum* [1\(#Note 01\)](#)
ericetorum subsp. *reticulata* (Räsänen) Kärnefelt [1\(#Note 01\)](#)
islandica (L.) Ach. subsp. *islandica* [1\(#Note 01\)](#)
islandica subsp. *crispiformis* (Räsänen) Kärnefelt [1\(#Note 01\)](#)

Cetrelia Culb. & C. Culb.

cetrarioides (Duby) Culb. & C. Culb. [1\(#Note 01\)](#)
chicitae (Culb.) Culb. & C. Culb. [1\(#Note 01\)](#)
olivetorum (Nyl.) Culb. & C. Culb. [1\(#Note 01\)](#)

Chaenotheca Th. Fr.

brachypoda (Ach.) Tibell¹(#Note 01)
brunneola (Ach.) Müll. Arg.¹(#Note 01)
chrysocephala (Turner ex Ach.) Th. Fr.¹(#Note 01)
cinerea (Pers.) Tibell¹(#Note 01)
ferruginea (Turner & Borrer) Mig.¹(#Note 01)
furfuracea (L.) Tibell¹(#Note 01)
hispidula (Ach.) Zahlbr.¹(#Note 01)
laevigata Nád.v.¹(#Note 01)
phaeocephala (Turner) Th. Fr.¹(#Note 01)
stemonea (Ach.) Müll. Arg.¹(#Note 01)
trichialis (Ach.) Th. Fr.¹(#Note 01)
xyloxena Nád.v.¹(#Note 01)

**Chaenothecopsis Vainio**

**consociata* (Nád.v.) A. F. W. Schmidt¹(#Note 01)
† *debilis* (Turner & Borrer ex Sm.) Tibell¹(#Note 01)
† *pusilla* (Ach.) A. F. W. Schmidt¹(#Note 01)
† *pusiola* (Ach.) Vainio (syn. *C. lignicola*)⁹(#Note 09)
† *rubescens* Vainio¹(#Note 01)
† *savonica* (Räsänen) Tibell¹(#Note 01)
* *viridialba* (Kremp.) A. F. W. Schmidt¹(#Note 01)
† *viridireagens* (Nád.v.) A. F. W. Schmidt¹(#Note 01)

Chromatochlamys Trevisan

muscorum (Fr.) H. Mayrh. & Poelt

Chrysothrix Mont.

candelaris (L.) J. R. Laundon¹(#Note 01)
chlorina (Ach.) J. R. Laundon¹⁴(#Note 14)

Cladina Nyl.

arbuscula (Wallr.) Hale & Culb.¹(#Note 01)
mitis (Sandst.) Hustich¹(#Note 01)
rangiferina (L.) Nyl.¹(#Note 01)
stellaris (Opiz) Brodo¹(#Note 01)
stygia (Fr.) Ahti¹(#Note 01)

Cladonia P. Browne

acuminata (Ach.) Norrlin¹(#Note 01)
amaurocraea (Flörke) Schaerer¹(#Note 01)
bacilliformis (Nyl.) Glück¹(#Note 01)
botrytes (K. Hagen) Willd¹(#Note 01)
brevis (Sandst.) Sandst.
caespiticia (Pers.) Flörke¹(#Note 01)
cariosa (Ach.) Sprengel¹(#Note 01)
carneola (Fr.) Fr.
caroliniana Tuck.
cenotea (Ach.) Schaerer¹(#Note 01)
cervicornis (Ach.) Flotow subsp. *cervicornis*¹(#Note 01)
cervicornis subsp. *verticillata* (Hoffm.) Ahti
chlorophaea (Flörke ex Sommerf.) Sprengel¹(#Note 01)
coccifera (L.) Willd.¹(#Note 01)
coniocraea (Flörke) Sprengel¹(#Note 01)
conista A. Evans¹⁴(#Note 14)
cornuta (L.) Hoffm. subsp. *cornuta*¹(#Note 01)
crispata (Ach.) Flotow¹(#Note 01)
crystalata Tuck.¹(#Note 01)
cryptochlorophaea Asah.¹(#Note 01)
cyanipes (Sommerf.) Nyl.¹(#Note 01)
cylindrica (A. Evans) A. Evans
dahlia Kristinsson
decorticata (Flörke) Sprengel¹(#Note 01)
deformis (L.) Hoffm.¹(#Note 01)
digitata (L.) Hoffm.¹(#Note 01)
ecmocyna Leighton¹⁴(#Note 14)
farinacea (Vainio) A. Evans¹⁴(#Note 14)
fimbriata (L.) Fr.¹(#Note 01)
floerkeana (Fr.) Flörke¹(#Note 01)
furcata (Hudson) Schrader¹(#Note 01)
gracilis (L.) Willd¹(#Note 01)
grayi G. Merr. ex Sandst¹(#Note 01)
humilis (With.) J.R. Laudon
incrassata Flörke⁹(#Note 09)
macilenta Hoffm.¹(#Note 01)
macilenta var. *bacillaris* (Genth.) Schaerer¹(#Note 01)

macrophylla (Schaerer) Stenh. [9](#)(#Note 09)
maxima (Asah.) Ahti [1](#)(#Note 01)
merochlorophaea Asah. [1](#)(#Note 01)
multiformis G. Merr. [1](#)(#Note 01)
ochrochlora Flörke [14](#)(#Note 14)
parasitica (Hoffm.) Hoffm. [1](#)(#Note 01)
peziziformis (With.) J. R. Laundon [1](#)(#Note 01)
phyllophora Hoffm. [1](#)(#Note 01)
pedmontensis G. Merr.
pleurota (Flörke) Schaerer [1](#)(#Note 01)
pocillum (Ach.) Grognot [1](#)(#Note 01)
polycarpoides Nyl. [1](#)(#Note 01)
pyxidata (L.) Hoffm. [1](#)(#Note 01)
ramulosa (With.) J. R. Laundon [1](#)(#Note 01)
rei Schaerer [1](#)(#Note 01)
robbinsii A. Evans
scabriuscula (Delise) Nyl. [1](#)(#Note 01)
sobolescens Nyl. ex Vainio [9](#)(#Note 09)
squamosa Hoffm. [1](#)(#Note 01)
strepsilis (Ach.) Grognot
subulata (L.) F. H. Wigg. [1](#)(#Note 01)
sulphurina (Michaux) Fr. [1](#)(#Note 01)
symphycarpa (Flörke) Fr. [1](#)(#Note 01)
turgida Hoffm. [1](#)(#Note 01)
uncialis (L.) F. H. Wigg.
wainioi Savicz [1](#)(#Note 01)



Clauzadea Hafellner & Bellem.

monticola (Ach. ex Schaerer) Hafellner & Bellem. [9](#)(#Note 09)

Cliostomum Fr.

griffithii (Sm.) Coppins [1](#)(#Note 01)

Collema F. H. Wigg.

bachmanianum (Fink) Degel. [9](#)(#Note 09)
coccophorum Tuck. [9](#)(#Note 09)
conglomeratum Hoffm.
furfuraceum (Arnold) Du Rietz [1](#)(#Note 01)
fuscovirens (With.) J.R. Laundon
glebulentum (Nyl. ex Crombie) Degel. [1](#)(#Note 01)
limosum (Ach.) Ach. [1](#)(#Note 01)
nigrescens (Hudson) DC. [1](#)(#Note 01)
polycarpon Hoffm. [1](#)(#Note 01)
pulcellum Ach. var. *leucopeplum* (Tuck.) Degel. [1](#)(#Note 01)
subflaccidum Degel. [1](#)(#Note 01)
tenax (Sw.) Ach. [1](#)(#Note 01)
undulatum Laurer ex Flotow [1](#)(#Note 01)

Conotrema Tuck.

urceolatum (Ach.) Tuck. [1](#)(#Note 01)

Cresponea Egea & Torrente

chloroconia (Tuck.) Egea & Torrente [1](#)(#Note 01)

Cyphelium Ach.

lucidum (Th. Fr.) Th. Fr. [1](#)(#Note 01)
tigillare (Ach.) Ach. [1](#)(#Note 01)

Cystocoleus Thwaites

ebeneus (Dillwyn) Thwaites

(*) Dactylospora Körber

**inquilina* (Tuck.) Hafellner [1](#)(#Note 01)
†stygia (Berk. & Curt.) Hafellner

Dermatocarpon Eschw.

luridum (With.) J. R. Laundon [1](#)(#Note 01)
miniatum (L.) W. Mann [1](#)(#Note 01)
moulinsii (Mont.) Zahlbr. [1](#)(#Note 01)

Dimelaena Norman

oreina (Ach.) Norman [1](#)(#Note 01)

Dimerella Trevisan

lutea (Dickson) Trevisan [1](#)(#Note 01)
pineti (Ach.) Vezda [1](#)(#Note 01)

Diploschistes Norman*muscorum* (Scop.) R. Sant.*scruposus* (Schreber) Norman [1 \(#Note 01\)](#)**Diplotomma Flotow***alboatrum* (Hoffm.) Flotow [1 \(#Note 01\)](#)*epipolium* (Ach.) Arnold [1 \(#Note 01\)](#)*nivalis* (Bagl. & Carestia) Hafellner [1 \(#Note 01\)](#)**OEndocarpon Hedwig***pulvinatum* Th. Fr. [1 \(#Note 01\)](#)*pusillum* Hedwig [1 \(#Note 01\)](#)**Ephebe Fr.***lanata* (L.) Vainio [1 \(#Note 01\)](#)*ocellata* Hessen [1 \(#Note 01\)](#)**Evernia Ach.***mesomorpha* Nyl. [1 \(#Note 01\)](#)*prunastri* (L.) Ach. [1 \(#Note 01\)](#)**O Farnoldia Hertel***jurana* (Schaerer) Hertel [9 \(#Note 09\)](#)**Flavocetraria Kärnefelt & Thell***cucullata* (Bellardi) Kärnefelt & Thell [1 \(#Note 01\)](#)**Flavoparmelia Hale***baltimorensis* (Gyelnik & Főriss) Hale [14 \(#Note 14\)](#)*caperata* (L.) Hale [1 \(#Note 01\)](#) (MSC 233)**Flavopunctelia (Krog) Hale***flaventior* (Stirton) Hale [1 \(#Note 01\)](#) (MSC 37)*soredica* (Nyl.) Hale [1 \(#Note 01\)](#) (MSC 9)**Fuscopannaria P. M. Jørg.***ahlneri* (P. M. Jørg.) P. M. Jørg. [1 \(#Note 01\)](#)**confusa (P. M. Jørg.) P. M. Jørg.***leucophaea* (Vahl) P. M. Jørg. [1 \(#Note 01\)](#)*leucosticta* (Tuck.) P. M. Jørg.*praetermissa* (Nyl.) P. M. Jørg. [1 \(#Note 01\)](#)**O Graphis Adans.***scripta* (L.) Ach. [1 \(#Note 01\)](#)**Gyalecta Ach.***jenensis* (Batsch) Zahlbr. [1 \(#Note 01\)](#)*truncigena* (Ach.) Hepp [1 \(#Note 01\)](#)**O Haematomma A. Massal***ochroleucum* (Necker) J. R. Laundon var. *porphyrium* (Pers.) J. R. Laundon**Heterodermia Trevisan***hypoleuca* (Muhl.) Trevisan [1 \(#Note 01\)](#)*leucomelos* (L.) Poelt [1 \(#Note 01\)](#)*obscurata* (Nyl.) Trevisan [1 \(#Note 01\)](#)*speciosa* (Wulfen) Trevisan**Hymenelia Kremp.***epulotica* (Ach.) Lutzoni**Hyperphyscia Müll. Arg.***adglutinata* (Flörke) H. Mayrh. & Poelt [1 \(#Note 01\)](#)**Hypocenomyce M. Choisy***friesii* (Ach.) P. James & Gotth. Schneider [1 \(#Note 01\)](#)*scalaris* (Ach.) M. Choisy [1 \(#Note 01\)](#)**Hypogymnia (Nyl.) Nyl.***bitteri* (Lynge) Ahti [1 \(#Note 01\)](#)*physodes* (L.) Nyl. [1 \(#Note 01\)](#)*tubulosa* (Schaerer) Hav. [1 \(#Note 01\)](#)*vittata* (Ach.) Parrique [14 \(#Note 14\)](#) (“ the single MI collection is a tiny individual of *H.**physodes*, typical except that the lower surface has been chewed by herbivores” – B. McCune pers.

comm 2011.)

Hypotrachyna (Vainio) Hale*revoluta* (Flörke) Hale [1 \(#Note 01\)](#)

Oicmadophila Trevisan
ericetorum (L.) Zahlbr. [1\(#Note 01\)](#)

****Illosporium Martius***
 **carneum* Fr. [1\(#Note 01\)](#)



Imshaugia F.S. Meyer
aleurites (Ach.) S. F. Meyer [1\(#Note 01\)](#)
placorodia (Ach.) S. F. Meyer [1\(#Note 01\)](#)

Ionaspis Th. Fr.
alba Lutzoni [13\(#Note 13\)](#)
lacustris (With.) Lutzoni [9\(#Note 09\)](#)
lavata H. Magn.

Ojulella Fabre
fallaciosa (Arnold) R.C. Harris [1\(#Note 01\)](#)
 †*lactea* (A. Massal.) R.C. Harris

O†Kirschsteiniothelia D. Hawksw.
 †*aethiops* (Berk. & Curt.) D. Hawksw. (syn. *Microthelia micula*) [1\(#Note 01\)](#)

OLasallia Mérat
papulosa (Ach.) Llano

Lecania A. Massal.
cyrtella (Ach.) Th. Fr.
dubitans (Nyl.) Th. Fr. [1\(#Note 01\)](#)
naegeli (Hepp) Diederich & v.d. Boom [1\(#Note 01\)](#)

Lecanora (Ach.)
albella (Pers.) Ach. var. *albella* [1\(#Note 01\)](#)
albella var. *rubescens* (Imshaug & Brodo) Lumbsch [1\(#Note 01\)](#)
allophana (Nyl.) [1\(#Note 01\)](#)
argentata (Ach.) Malme [1\(#Note 01\)](#) [2\(#Note 02\)](#)
caesiorubella Ach. [1\(#Note 01\)](#)
caesiorubella subsp. *prolifera* (Fink) R. C. Harris
caesiorubella subsp. *saximontana* Imshaug & Brodo [1\(#Note 01\)](#)
carpine (L.) Vainio [1\(#Note 01\)](#)
cateilea (Ach.) A. Massal. [1\(#Note 01\)](#)
cenisia Ach. [1\(#Note 01\)](#)
chlarotera Nyl. [2\(#Note 02\)](#)
chlorophaeodes Nyl. [14\(#Note 14\)](#),
cinereofusca H. Magn. [2\(#Note 02\)](#)
circumborealis Brodo & Viitik [1\(#Note 01\)](#)
conizaeoides Nyl. ex Crombie [14\(#Note 14\)](#)
crenulata Hook. [14\(#Note 14\)](#)
dispersa (Pers.) Sommerf. [1\(#Note 01\)](#)
expallens Ach.
fuscescens (Sommertf.) Nyl. [1\(#Note 01\)](#)
garovaglii (Körber) Zahlbr. [1\(#Note 01\)](#)
glabrata (Ach.) Malme
hagenii (Ach.) Ach. [1\(#Note 01\)](#)
hybocarpa (Tuck.) Brodo [1\(#Note 01\)](#)
impudens Degel. [1\(#Note 01\)](#)
imshaugii Brodo [2\(#Note 02\)](#)
intricata (Ach.) Ach. [1\(#Note 01\)](#)
meridionalis H. Magn. [1\(#Note 01\)](#)
muralis (Schreber) Rabenh [1\(#Note 01\)](#)
opiniconensis Brodo [1\(#Note 01\)](#)
piniperda Körber [1\(#Note 01\)](#)
*polytrop*a (Hoffm.) Rabenh. [1\(#Note 01\)](#)
pseudistera Nyl. [9\(#Note 09\)](#)
pulicaris (Pers.) Ach. [1\(#Note 01\)](#)
rugosella Zahlbr. [1\(#Note 01\)](#)
rupicola (L.) Zahlbr. [1\(#Note 01\)](#)
saligna (Schrader) Zahlbr. [1\(#Note 01\)](#)
sambuci (Pers.) Nyl. [1\(#Note 01\)](#)
strobilina (Sprengel) Kieffer [1\(#Note 01\)](#)
subrugosa Nyl.
symmicta (Ach.) Ach. [1\(#Note 01\)](#)
thysanophora R. C. Harris
varia (Hoffm.) Ach.
wisconsinensis H. Magn. [1\(#Note 01\)](#)

Lecidea Ach.

albofuscescens Nyl. [1\(#Note 01\)](#)
atrobrunnea (Ramond ex Lam. & DC.) Schaerer [1\(#Note 01\)](#)
carnulenta (Tuck.) Fink [1\(#Note 01\)](#)
cyrtidia Tuck. [1\(#Note 01\)](#)
erythrophaea Vainio [1\(#Note 01\)](#)
fuscoatra (L.) Ach. [1\(#Note 01\)](#)
lapicida (Ach.) Ach. [1\(#Note 01\)](#)
lapicida var. *pantherina* Ach. (syn. *Lecidea lapicida*) [1\(#Note 01\)](#)
lithophila (Ach.) Ach. [1\(#Note 01\)](#)
lurida (Ach.) DC. [1\(#Note 01\)](#)
nylanderi (Anzi) Th. Fr. [1\(#Note 01\)](#)
plana (J. Lahm) Nyl. [1\(#Note 01\)](#)
plebeja Nyl. [1\(#Note 01\)](#)
tessellata Flörke [1\(#Note 01\)](#)

**Lecidella Körber**

asema (Nyl.) Knoph & Hertel [10\(#Note 10\)](#)
carpathica Körber [1\(#Note 01\)](#)
elaeochroma (Ach.) Hazsl. [1\(#Note 01\)](#)
euphorea (Flörke) Hertel [1\(#Note 01\)](#)
pataвина (A. Massal.) Knoph & Leuckert [10\(#Note 10\)](#)
stigmatea (Ach.) Hertel & Leuckert [1\(#Note 01\)](#)

Lepraria Ach.

caesioalba (de Lesd.) J. R. Laundon
eburnea Laundon
incana (L.) Ach. [14\(#Note 14\)](#)
lobificans Nyl. [1\(#Note 01\)](#)
neglecta (Nyl.) Erichsen [1\(#Note 01\)](#)

Leptoloma Nyl. ex Crombie

membranaceum (Dickson) Vainio [1\(#Note 01\)](#)
vouauxii (Hue) J. R. Laundon [14\(#Note 14\)](#)

Leptogium (Ach.) Gray

arsenei Sierk [1\(#Note 01\)](#)
burnetiae C.W. Dodge [1\(#Note 01\)](#)
corticola (Taylor) Tuck. [1\(#Note 01\)](#)
cyanescens (Rabenh.) Körber [1\(#Note 01\)](#)
gelatinosum (With.) J. R. Laundon [1\(#Note 01\)](#)
lichenoides (L.) Zahlbr. [1\(#Note 01\)](#)
milligranum Sierk.
plicatile (Ach.) Leighton [1\(#Note 01\)](#)
pseudofurfuraceum P. M. Jørg. (syn. *L. furfuraceum*) [1\(#Note 01\)](#)
saturninum (Dickson) Nyl. [1\(#Note 01\)](#)
tenuissimum (Dickson) Körber [1\(#Note 01\)](#)

Leptorhaphis Körber

atomaria (Ach.) Szat. [1\(#Note 01\)](#)
†*contorta* Degel. [1\(#Note 01\)](#)
†*epidermidis* (Ach.) Th. Fr [1\(#Note 01\)](#)
†*parmea* (A. Massal.) Körber [1\(#Note 01\)](#)

Lichinella Nyl.

nigritella (Lettau) Moreno & Egea [1\(#Note 01\)](#)

Lithothelium Müll. Arg.

hyalosporum (Nyl.) Aptroot [1\(#Note 01\)](#)
macrosporum (R.C. Harris) Aptroot [9\(#Note 09\)](#)
phaeosporum (R.C. Harris) Aptroot [9\(#Note 09\)](#)
septemseptatum (R.C. Harris) Aptroot [9\(#Note 09\)](#)

Lobaria (Schreber) Hoffm.

pulmonaria (L.) Hoffm. [1\(#Note 01\)](#)
quercizans Michaux [1\(#Note 01\)](#)
scrobiculata (Scop.) DC. [1\(#Note 01\)](#)

Lobothallia (Clauzade & Roux) Hafellner

alphoplaca (Wahlenb.) Hafellner [1\(#Note 01\)](#)

Lopadium Körber

disciforme (Flotow) Kullhem [1\(#Note 01\)](#)

Loxospora A. Massal.

cismonica (Beltr.) Hafellner
elatina (Ach.) A. Massal. [1\(#Note 01\)](#)

ochrophaea (Tuck.) R.C. Harris
pustulata (Brodo & Culb.) R. C. Harris [1\(#Note 01\)](#).

***Massalongia* Körber**

carnosa (Dickson) Körber



***Megalaria* Hafellner**

laureri (Th. Fr.) Hafellner (syn. *Catinaria l.*) [1\(#Note 01\)](#).

***Megalospora* Meyen**

porphyritis (Tuck.) R. C. Harris [9\(#Note 09\)](#).

***Megaspora* (Clauz. & Roux) Hafellner & V. Wirth**

verrucosa (Ach.) Hafellner & V. Wirth

***Melanelia* Essl.**

albertana (Ahti) Essl. [9\(#Note 09\)](#)

disjuncta (Erichsen) Essl. [1\(#Note 01\)](#)

elegantula (Zahlbr.) Essl.) [9\(#Note 09\)](#)

exasperata (De Not.) Essl. [1\(#Note 01\)](#)

exasperatula (Nyl.) Essl [1\(#Note 01\)](#)

fuliginosa (Fr. ex Duby) Essl. [1\(#Note 01\)](#)

hepatizon (Ach.) Thell [1\(#Note 01\)](#)

infumata (Nyl.) Essl. [1\(#Note 01\)](#)

olivacea (L.) Essl. [1\(#Note 01\)](#)

panniformis (Nyl.) Essl. [1\(#Note 01\)](#)

septentrionalis (Lynge) Essl. [1\(#Note 01\)](#)

sorediata (Ach.) Goward & Ahti [1\(#Note 01\)](#)

subargentifera (Nyl.) Essl. [1\(#Note 01\)](#)

subaurifera (Nyl.) Essl. [1\(#Note 01\)](#)

subolivacea (Nyl.) Essl. [1\(#Note 01\)](#)

tominii (Oksner) Essl. [1\(#Note 01\)](#)

trabeculata (Ahti) Essl. [1\(#Note 01\)](#)

***Melaspilea* Nyl.**

arthonioides (Fée) Nyl. [1\(#Note 01\)](#)

deformis (Schaerer) Nyl.

***Menegazzia* A. Massal.**

terebrata (Hoffm.) A. Massal. [1\(#Note 01\)](#).

***Micarea* Fr.**

bauschiana (Körber) V. Wirth & Vezda [9\(#Note 09\)](#)

denigrata (Fr.) Hedl. [1\(#Note 01\)](#)

endocyanea (Tuck. ex Willey) R. C. Harris [9\(#Note 09\)](#)

erratica (Körber) Hertel, Rambold & Pietschmann [1\(#Note 01\)](#)

lignaria (Ach.) Hedl. [1\(#Note 01\)](#)

melaena (Nyl.) Hedl. [1\(#Note 01\)](#)

melanobola (Nyl.) Coppins [9\(#Note 09\)](#)

misella (Nyl.) Hedl. [9\(#Note 09\)](#)

pelioarpa (Anzi) Coppins & R. Sant. [1\(#Note 01\)](#)

prasina Fr. [1\(#Note 01\)](#)

***Microcalicium* Vainio**

†*ahlneri* Tibell

†*disseminatum* (Ach.) Vainio [1\(#Note 01\)](#)

***Mycobilimbia* Rehm.**

berengeriana (A. Massal.) Hafellner & V. Wirth [1\(#Note 01\)](#)

[*Biatora epixanthoides* (Müll. Arg.) Diederich] [1\(#Note 01\)](#)

[*Biatora carnealbida* (Müll. Arg.) Coppins] [1\(#Note 01\)](#)

hypnorum (Lib.) Kalb & Hafellner [1\(#Note 01\)](#)

[*Biatora sphaeroides* (Dickson) Körber] [14\(#Note 14\)](#)

tetramera (De Not.) W. Brunnbauer [1\(#Note 01\)](#)

***Mycoblastus* Norman**

affinis (Schaerer) Schauer [1\(#Note 01\)](#)

sanguinarius (L.) Norman [1\(#Note 01\)](#)

***Mycocalicium* Vainio**

albonigrum (Nyl.) Fink [1\(#Note 01\)](#)

†*subtile* (Pers.) Szat. [1\(#Note 01\)](#)

†***Mycoglaena* Höhnel**

†*myrica* (Nyl.) R.C. Harris [1\(#Note 01\)](#)

***Mycoporum* Flotow ex Nyl.**

compositum (A. Massal.) R.C. Harris

Myelochroa (Asah.) Elix & Hale*aurulenta* (Tuck.) Elix & Hale [1\(#Note 01\)](#)*galbina* (Ach.) Elix & Hale [1\(#Note 01\)](#)*obsessa* (Ach.) Elix & Hale [9\(#Note 09\)](#)**O⁺Naetrocymbe Körber**†*fraxini* (A. Massal.) R.C. Harris (syn. *Arthopyrenia f.*) [8\(#Note 08\)](#)†*punctiformis* (Ach.) R.C. Harris (syn. *Arthopyrenia p.*) [1\(#Note 01\)](#)**Nephroma Ach.***bellum* (Sprengel) Tuck*helveticum* Ach. [1\(#Note 01\)](#)*parile* (Ach.) Ach. [1\(#Note 01\)](#)*resupinatum* (L.) Ach.***Nesolechia A. Massal.****oxyspora* (Tul.) A. Massal. [1\(#Note 01\)](#)**Normandina Nyl.***pulchella* (Borrer) Nyl. [1\(#Note 01\)](#)**O⁰Ochrolechia A. Massal.***androgyna* (Hoffm.) Arnold [1\(#Note 01\)](#)*arborea* (Kreyer) Almb. [1\(#Note 01\)](#)*mexicana* Vainio*pseudopallescens* Brodo*trochophora* (Vainio) Oshio [1\(#Note 01\)](#)*trochophora* var. *pruiniosella* Brodo**Opegrapha Ach.***niveoatra* (Borrer) J. R. Laundon [1\(#Note 01\)](#)*prosodea* Ach. [1\(#Note 01\)](#) (MSC 1)*varia* Pers. [1\(#Note 01\)](#) (MSC 7)*viridis* (Pers. ex Ach.) Behlen & Desberger [1\(#Note 01\)](#)**O⁰Pachyphiale Lönnr.***fagicola* (Hepp) Zwackh [1\(#Note 01\)](#)**Pannaria Delise***conoplea* (Ach.) Bory [1\(#Note 01\)](#)*pezizoides* (Weber) Trevisan [1\(#Note 01\)](#)*rubiginosa* (Ach.) Bory [1\(#Note 01\)](#)**Parmelia Ach.***fraudans* (Nyl.) Nyl. [1\(#Note 01\)](#)*omphalodes* (L.) Ach. [1\(#Note 01\)](#)*saxatilis* (L.) Ach. [1\(#Note 01\)](#)*squarrosa* Hale [1\(#Note 01\)](#)*sulcata* Taylor [1\(#Note 01\)](#)**Parmeliella Müll. Arg.***triptophylla* (Ach.) Müll. Arg. [1\(#Note 01\)](#)**Parmelina Hale***quercina* (Willd.) Hale [1\(#Note 01\)](#)**Parmeliopsis Nyl.***ambigua* (Wulfen) Nyl. [1\(#Note 01\)](#)*capitata* R. C. Harris [9\(#Note 09\)](#)*hyperopta* (Ach.) Arnold**Parmotrema A. Massal.***arnoldii* (Du Rietz) Hale [1\(#Note 01\)](#)*chinense* (Osbeck) Hale [1\(#Note 01\)](#)*crinitum* (Ach.) M. Choisy [1\(#Note 01\)](#)*hypotropum* (Nyl.) Hale [9\(#Note 09\)](#)*margaritatum* (Hue) Hale*perforatum* (Jacq.) A. Massal.*stuppeum* (Taylor) Hale*tinctorum* (Delise ex Nyl.) Hale**Peltigera Willd.***aphthosa* (L.) Willd. [1\(#Note 01\)](#)*canina* (L.) Willd. [1\(#Note 01\)](#)*collina* (Ach.) Schrader [1\(#Note 01\)](#)*degenii* Gyelnik*didactyla* (With.) J.R. Laundon [1\(#Note 01\)](#)*elisabethae* Gyelnik [1\(#Note 01\)](#)

evansiana Gyelnik [1\(#Note 01\)](#)
horizontalis (Hudson) Baumg. [1\(#Note 01\)](#)
lepidophora (Vainio) Bitter [1\(#Note 01\)](#)
leucophlebia (Nyl.) Gyelnik [1\(#Note 01\)](#)
malacea (Ach.) Funck [1\(#Note 01\)](#)
membranacea (Ach.) Nyl. [1\(#Note 01\)](#)
neckeri Hepp ex Müll. Arg. [1\(#Note 01\)](#)
Peltigera neopolydactylon (Gyelnik) Gyelnik
polydactylon (Necker) Hoffm. [1\(#Note 01\)](#)
ponojensis Gyelnik
praetextata (Flörke ex Sommerf.) Zopf [1\(#Note 01\)](#)
rufescens (Weiss) Humb. [1\(#Note 01\)](#)
scabrosa Th. Fr. [9\(#Note 09\)](#)
venosa (L.) Hoffm. [1\(#Note 01\)](#)



Pertusaria DC.

alpina Hepp ex Ahles [1\(#Note 01\)](#)
amara (Ach.) Nyl. [1\(#Note 01\)](#)
consocians Dibben (inc *P. cupressi* Dibben in sched.) [1\(#Note 01\)](#)
dactylina (Ach.) Nyl. [1\(#Note 01\)](#)
leioplaca DC. [1\(#Note 01\)](#)
macounii (Lamb) Dibben [1\(#Note 01\)](#)
multipunctoides Dibben [1\(#Note 01\)](#)
neoscotica Lamb [1\(#Note 01\)](#)
oculata (Dickson) Th. Fr. [1\(#Note 01\)](#)
ophthalmiza (Nyl.) Nyl. [1\(#Note 01\)](#)
propinqua Müll Arg.
pustulata (Ach.) Duby [1\(#Note 01\)](#)
rubefacta Erichsen [1\(#Note 01\)](#)
sommerfeltii (Flörke ex Sommerf.) Fr. [1\(#Note 01\)](#)
trachythallina Erichsen [1\(#Note 01\)](#)
velata (Turner) Nyl. [1\(#Note 01\)](#)
waghornei Hulting [1\(#Note 01\)](#)

†**Phaeocalicium A. F. W. Schmidt**

†*compressulum* (Nyl. ex Szat.) A. F. W. Schmidt [1\(#Note 01\)](#)
†*curtisii* (Tuck.) Tibell [1\(#Note 01\)](#)
†*polyporaenum* (Nyl.) Tibell [1\(#Note 01\)](#)
†*populneum* (Brond. ex Duby) A. F. W. Schmidt [1\(#Note 01\)](#)

Phaeographis Müll Arg.

dendritica (Ach.) Müll Arg.
sericea (Eschw.) Müll. Arg.

Phaeophyscia Moberg

adiastola (Essl.) Essl. [1\(#Note 01\)](#)
cernohorskyi (Nádv.) Essl [1\(#Note 01\)](#)
ciliata (Hoffm.) Moberg [1\(#Note 01\)](#)
constipata (Norrin & Nyl.) Moberg [1\(#Note 01\)](#)
decolor (Kashiw.) Essl.
endococcina (Körber) Moberg [1\(#Note 01\)](#)
endococcinodes (Tuck.) Essl. [1\(#Note 01\)](#)
erythrocardia (Tuck.) Essl.
hirsuta (Mereschk.) Essl. [1\(#Note 01\)](#)
hirtella Essl. [1\(#Note 01\)](#)
hispidula (Ach.) Essl. [1\(#Note 01\)](#)
orbicularis (Necker) Moberg [1\(#Note 01\)](#)
pusilloides (Zahlbr.) Essl. [1\(#Note 01\)](#)
rubropulchra (Degel.) Essl. [1\(#Note 01\)](#)
sciastra (Ach.) Moberg [1\(#Note 01\)](#)
squarrosa Kashiwandani (syn. *P. imbricata* sensu Essl.) [1\(#Note 01\)](#)

Phlyctis Wallr.

argena (Sprengel) Flotow [1\(#Note 01\)](#)

Physcia (Schreber) Michaux

adscendens (Fr.) H. Olivier [1\(#Note 01\)](#)
aipolia (Ehrh. ex Humb.) Fürnr. [1\(#Note 01\)](#)
americana G. Merr. [1\(#Note 01\)](#)
caesia (Hoffm.) Fürnr. [1\(#Note 01\)](#)
dubia (Hoffm.) Lattau [1\(#Note 01\)](#)
millegrana Degel. [1\(#Note 01\)](#)
phaea (Tuck.) J.W. Thomson [1\(#Note 01\)](#)
stellaris (L.) Nyl. [1\(#Note 01\)](#)

subtilis Degel. [1\(#Note 01\)](#)
tenella (Scop.) DC. [1\(#Note 01\)](#)
wainioi Räsänen

Physciella Essl.

chloantha (Ach.) Essl. [1\(#Note 01\)](#)

Physconia Poelt

detersa (Nyl.) Poelt [1\(#Note 01\)](#)
leucoleiptes (Tuck.) Essl. [14\(#Note 14\)](#)
muscigena (Ach.) Poelt [1\(#Note 01\)](#)
perisidiosa (Erichsen) Moberg

Placidium A. Massal.

lachneum (Ach.) Breuss (syn. *Catapyrenium l.*)
michelii (A. Massal.) Breuss (syn. *Catapyrenium m.*) [1\(#Note 01\)](#)

Placynthiella Elenkin

dasaea (Stirton) Tønsberg
icmalea (Ach.) Coppins & P. James [1\(#Note 01\)](#)
oligotropha (J. R. Laundon) Coppins & P. James [1\(#Note 01\)](#)
uliginosa (Schradler) Coppins & P. James [1\(#Note 01\)](#)

Placynthium (Ach.) Gray

asperellum (Ach.) Trevisan
nigrum (Hudson) Gray [1\(#Note 01\)](#)

Platismatia Culb. & C. Culb.

glauca (L.) Culb. & C. Culb. [1\(#Note 01\)](#)
tuckermanii (Oakes) Culb. & C. Culb. [1\(#Note 01\)](#)

Polyblastia A. Massal.

cupularis A. Massal. [1\(#Note 01\)](#)
theleodes (Sommerf.) Th. Fr. [1\(#Note 01\)](#)

Polychidium (Ach.) Gray

muscicolum (Sw.) Gray

Polysporina Vezda

simplex (Davies) Vezda [9\(#Note 09\)](#)

Porpidia Körber

albocaerulescens (Wulfen) Hertel & Knoph [1\(#Note 01\)](#)
calcarea Gowan [1\(#Note 01\)](#), [7\(#Note 07\)](#)
cinereoatra (Ach.) Hertel & Knoph
crustulata (Ach.) Hertel & Knoph [1\(#Note 01\)](#)
diversa Gowan [1\(#Note 01\)](#), [7\(#Note 07\)](#)
herteliana Gowan [1\(#Note 01\)](#), [7\(#Note 07\)](#)
macrocarpa (DC.) Hertel & Knoph [1\(#Note 01\)](#)
speirea (Ach.) Kremp.
superba (Körber) Hertel & Knoph
thomsonii Gowan [7\(#Note 07\)](#)

Protoblastenia Zahlbr.) J. Steiner

rupestris (Scop.) J. Steiner [1\(#Note 01\)](#)
siebenhaariana (Körber) J. Steiner

Protoparmelia M. Choisy

badia (Hoffm.) Hafellner [1\(#Note 01\)](#)

Pseudevernia Zopf

consocians (Vainio) Hale & Culb. [1\(#Note 01\)](#)

Pseudocyphellaria Vainio

crocata (L.) Vainio [1\(#Note 01\)](#)

Pseudoparmelia Lynge

cubensis (Nyl.) Elix & Nash (syn. *Pseudoparmelia leucospora*)

Psilolechia A. Massal.

lucida (Ach.) M. Choisy [1\(#Note 01\)](#)

Psora Hoffm.

decipiens (Hedwig) Hoffm.
globifera (Ach.) A. Massal. [1\(#Note 01\)](#)

Psorula Gotth. Schneider

rufonigra (Tuck.) Gotth. Schneider [1\(#Note 01\)](#)



Punctelia Krog*bolliana* (Müll. Arg.) Krog [1\(#Note 01\)](#).*borreri* (Sm.) Krog [1\(#Note 01\)](#).*hypoleucites* (Nyl.) Krog [1\(#Note 01\)](#).*rudecta* (Ach.) Krog [1\(#Note 01\)](#).*stictica* (Duby) Krog [1\(#Note 01\)](#).*subrudecta* (Nyl.) Krog**Pyrenocollema Reinke***tichothecioides* (Arnold) R.C. Harris [9\(#Note 09\)](#).**Pyrenopsis (Nyl.) Nyl.***phaeococca* Tuck.**Pyrenula A. Massal.***laevigata* (Pers.) Arnold [1\(#Note 01\)](#).*pseudobufonia* (Rehm.) D.C. Harris [1\(#Note 01\)](#).**Pyrrhospora Körber***elabens* (Fr.) Hafellner [1\(#Note 01\)](#).*varians* (Ach.) R.C. Harris [1\(#Note 01\)](#).**Pyxine Körber Fr.***sorediata* (Ach.) Mont. [1\(#Note 01\)](#).**O/Ramalina Ach***americana* Hale [1\(#Note 01\)](#).*calicaris* (L.) Fr. [1\(#Note 01\)](#).*culbersonianum* LaGreca [11\(#Note 11\)](#).*dilacerata* (Hoffm.) Hoffm. [1\(#Note 01\)](#).*farinacea* (L.) Ach. [1\(#Note 01\)](#).*fraxinea* (L.) Ach. [1\(#Note 01\)](#).*geniculata* Hook. f. & Taylor [1\(#Note 01\)](#).*intermedia* (Delise ex Nyl.) Nyl. [1\(#Note 01\)](#).*obtusata* (Arnold) Bitter [1\(#Note 01\)](#).*pollinaria* (Westr.) Ach. [1\(#Note 01\)](#).*roesleri* (Hochst. ex Schaerer) Hue [1\(#Note 01\)](#).*sinensis* Jatta [1\(#Note 01\)](#).*thrausta* (Ach.) Nyl. [1\(#Note 01\)](#).**Rhizocarpon Ramond ex DC.***badioatrum* (Flörke ex Sprengel) Th. Fr. [1\(#Note 01\)](#).*cinereonigrum* Vainio*cinereovirens* (Müll. Arg.) Vainio [1\(#Note 01\)](#).*disporum* (Nägeli ex Hepp) Müll. Arg. [1\(#Note 01\)](#).*distinctum* Th. Fr. [1\(#Note 01\)](#).*eupetraeum* (Nyl.) Blomb. & Forss. [1\(#Note 01\)](#).*geminatum* Körber*geographicum* (L.) DC. [1\(#Note 01\)](#).*grande* (Flörke ex Flotow) Arnold [1\(#Note 01\)](#).*hochstetteri* (Körber) Vainio [1\(#Note 01\)](#).*lavatum* (Fr.) Hazsl.*lecanorinum* Anders [1\(#Note 01\)](#).*lindsayanum* Räsänen (possibly a subsp of *R. geographicum*)*macrosporum* Lynge [1\(#Note 01\)](#).*petraeum* (Wulfen) A. Massal.*polycarpum* (Hepp) Th. Fr. [1\(#Note 01\)](#).*reductum* Th. Fr. (syn. *R. obscuratum*) [1\(#Note 01\)](#).*submodestum* (Vainio) Vainio*umbilicatum* (Ramond) Flagey**Rhizoplaca Zopf***chrysoleuca* (Sm.) Zopf [1\(#Note 01\)](#).*melanophthalma* (DC.) Leuckert & Poelt [1\(#Note 01\)](#).*subdiscrepans* (Nyl.) R. Sant.**Rimelia Hale & Fletcher***cetrata* (Ach.) Hale & Fletcher [1\(#Note 01\)](#).*reticulata* (Taylor) M. Choisy**Rimularia Nyl.***caeca* (Lowe) Rambold & Printzen [1\(#Note 01\)](#).*insularis* (Nyl.) Rambold & Hertel [1\(#Note 01\)](#).**Rinodina (Ach.) Gray***adironackii* H. Magn.*archaea* (Ach.) Arnold [9\(#Note 09\)](#).

ascociscana Tuck. [1\(#Note 01\)](#)
colobina (Ach.) Th. Fr. [1\(#Note 01\)](#)
confragosa (Ach.) Körber [1\(#Note 01\)](#)
degeliana Coppins
efflorescens Malme
excrescens Vainio
exigua (Ach.) Gray [1\(#Note 01\)](#)
degeliana Coppins
efflorescens Malme
halei H. Magn [9\(#Note 09\)](#)
metaboliza Vainio [1\(#Note 01\)](#)
milvina (Wahlenb.) Th. Fr.
oxydata (A. Massal.) A. Massal.
papillata H. Magn.
polyspora Th. Fr.
populicola H. Magn. [1\(#Note 01\)](#)
pyrina (Ach.) Arnold
subminuta H. Magn. [1\(#Note 01\)](#)
tephraspis (Tuck.) Herre [1\(#Note 01\)](#)
turfacea (Wahlenb.) Körber [1\(#Note 01\)](#)

Ropalospora A. Massal.

chlorthan (Tuck.) S. Ekman [6\(#Note 06\)](#)

Sarcogyne Flotow

regularis Körber [1\(#Note 01\)](#)

†**Sarea Fr.**

†*difformis* (Fr.) Fr.

†*resinae* (Fr.) Kuntze

Schismatomma Flotow & Körber ex A. Massal.

decolorans (Turner & Borrer ex Sm.) Clauz. & Vezda

pericleum (Ach.) Branth & Rostrup) [9\(#Note 09\)](#)

Sclerophora Chevall.

nivea (Hoffm.) Tibell [9\(#Note 09\)](#)

Scoliciosporum A. Massal.

chlorococcum (Stenh.) Vezda [1\(#Note 01\)](#)

umbrinum (Ach.) Arnold [1\(#Note 01\)](#)

Solorina Ach.

saccata (L.) Ach. [1\(#Note 01\)](#)

spongiosa (Ach.) Anzi [1\(#Note 01\)](#)

***Sphinctrina Fr.**

**anglica* Nyl. [1\(#Note 01\)](#)

**leucopoda* Nyl. (MSC 2)

**turbinata* (Pers.) De Not. [1\(#Note 01\)](#)

Spilonema Bornet

revertens Nyl. [1\(#Note 01\)](#)

Staurothele Norman

areolata (Ach.) Lettau [14\(#Note 14\)](#)

clopimoides (Arnold) J. Stein.

drummondii (Tuck.) Tuck. [1\(#Note 01\)](#)

fissa (Taylor) Zwackh [1\(#Note 01\)](#)

monicae (Zahlbr.) Wetmore

Steinia Körber

geophana (Nyl.) Stein

†**Stenocybe (Nyl.) Körber**

†*major* (Nyl.) Körber [1\(#Note 01\)](#)

†*pullatula* (Ach.) Stein [1\(#Note 01\)](#)

Stereocaulon Hoffm.

condensatum Hoffm. [14\(#Note 14\)](#)

dactylophyllum Flörke [1\(#Note 01\)](#)

glaucescens Tuck.

paschale (L.) Hoffm. [1\(#Note 01\)](#)

pileatum Ach. [1\(#Note 01\)](#)

saxatile H. Magn. [1\(#Note 01\)](#)

subcoralloides (Nyl.) Nyl.

tomentosum Fr. [1\(#Note 01\)](#)



Sticta (Schreber) Ach.*fuliginosa* (Hoffm.) Ach. [1](#)(#Note 01)*beauvoisii* Delise [9](#)(#Note 09), [15](#)(#Note 15)**Strangospora Körber***microhaema* (Norman) R. Anderson [9](#)(#Note 09)*ochrophora* (Nyl.) R. Anderson [9](#)(#Note 09)**Strigula Fr.***stigmatella* (Ach.) R.C. Harris [1](#)(#Note 01)*submuriformis* (R. C. Harris) R. C. Harris [9](#)(#Note 09)**OTeloschistes Norman***chrysophthalmus* (L.) Fr.*flavicans* (Sm.) Norm. [9](#)(#Note 09)**Tephromela M. Choisy***atra* (Hudson) Hafellner [1](#)(#Note 01)**Thelidium A. Massal.***minutulum* Körber*olivaceum* (Fr.) Körber [9](#)(#Note 09)*papulare* (Fr.) Arnold**Thelocarpon Nyl. ex Hue***epibolum* Nyl. [1](#)(#Note 01)*†impressellum* Nyl.*laureri* (Flotow) Nyl. [1](#)(#Note 01)**Thelopsis Nyl.***melathelia* Nyl. [1](#)(#Note 01)**Thelotrema Ach.***lepadinum* (Ach.) Ach. [14](#)(#Note 14)**Thermutis Fr.***velutina* (Ach.) Flotow [1](#)(#Note 01)**Thrombium Wallr.***epigaeum* (Pers.) Wallr. [1](#)(#Note 01)**Toninia A. Massal.***ruginosa* (Tuck.) Herre [1](#)(#Note 01)*sedifolia* (Scop.) Timdal [1](#)(#Note 01)*squalida* (Ach.) A. Massal. [1](#)(#Note 01)*superioris* Timdal [17](#)(#Note 17)**Trapelia M. Choisy***coarctata* (Sm.) M. Choisy*involuta* (Taylor) Hertel [1](#)(#Note 01)*placodioides* Coppins & P. James [1](#)(#Note 01)**Trapeliopsis Hertel & Gotth. Schneider***flexuosa* (Fr.) Coppins & P. James [1](#)(#Note 01)*gelatinosa* (Flörke) Coppins & P. James [1](#)(#Note 01)*granulosa* (Hoffm.) Lumbsch [1](#)(#Note 01)*viridescens* (Schrader) Coppins & P. James [1](#)(#Note 01)**Trichithelium Müll. Arg.***aeneum* (Wallr.) R. C. Harris [9](#)(#Note 09)**Trypethelium Sprengel***virens* Tuck. ex Michner**Tuckermannopsis Gyelnik***americana* (Sprengel) Hale [1](#)(#Note 01)*ciliaris* (Ach.) Gyelnik [1](#)(#Note 01)*fendleri* (Nyl.) Hale [1](#)(#Note 01)*orbata* (Nyl.) M.J. Lai [1](#)(#Note 01)*sepincola* (Ehrh.) Hale [1](#)(#Note 01)**OUmbilicaria Hoffm.***americana* Poelt & T. Nash [14](#)(#Note 14)*deusta* (L.) Baumg. [1](#)(#Note 01)*hyperborea* (Ach.) Hoffm. [1](#)(#Note 01)*mammulata* (Ach.) Tuck. [1](#)(#Note 01)*muehlenbergii* (Ach.) Tuck. [1](#)(#Note 01)*phaea* Tuck. [1](#)(#Note 01)*polyphylla* (L.) Baumg. [1](#)(#Note 01)

torrefacta (Lightf.) Schrader [1](#)(#Note 01)
vellea (L.) Hoffm. [1](#)(#Note 01)
virginis Schaerer [14](#)(#Note 14)

Usnea Dill. ex Adans.

angulata Ach. [9](#)(#Note 09)
cavernosa Tuck. [1](#)(#Note 01)
ceratina Ach. [1](#)(#Note 01)
cornuta Körber
diplotypus Vainio
filipendula Stirton (syn. *U dasypoga* for N. America) [1](#)(#Note 01)
fulvovirens (Räsänen) Räsänen
glabrescens (Nyl. ex Vainio) Vainio
hirta (L.) F.H. Wigg. [1](#)(#Note 01)
lapponica Vainio [1](#)(#Note 01)
longissima Ach. [1](#)(#Note 01)
mutabilis Stirton [9](#)(#Note 09)
rubicunda Stirton
subfloridana Stirton [1](#)(#Note 01)
subfusca Stirton
subscrabosa Mot.
substerilis Mot.
wasmuthii Räsänen

Verrucaria Schrader

aethiobola Wahlenb. [1](#)(#Note 01)
elaemelaena (A. Massal.) Arnold [9](#)(#Note 09)
funckii (Sprengel) Zahlbr. [1](#)(#Note 01)
glaucovirens Grumann [1](#)(#Note 01)
macrostoma forma *furfuracea* B. de Lesd.
margacea (Wahlenb) Wahlenb. [1](#)(#Note 01)
muralis Ach. [1](#)(#Note 01)
nigrescens Pers. [1](#)(#Note 01)
rheitrophila Zschacke
viridula (Schrader) Ach. [1](#)(#Note 01)

Vulpicida J.-E. Mattsson & M. J. Lai

pinastri (Scop.) J.-E. Mattsson & M. J. Lai [1](#)(#Note 01)

Xanthoparmelia (Vainio) Hale

angustiphylla (Gyelnik) Hale
conspersa (Ehrh. ex Ach.) Hale [1](#)(#Note 01)
cumberlandia (Gyelnik) Hale [1](#)(#Note 01)
hypomelaena (Hale) Hale [9](#)(#Note 09)
lineola (E. C. Berry) Hale [14](#)(#Note 14)
mexicana (Gyelnik) Hale [1](#)(#Note 01)
plittii (Gyelnik) Hale
somloënsis (Gyelnik) Hale [14](#)(#Note 14)
tasmanica (Hook. f. & Taylor) Hale [1](#)(#Note 01)

Xanthoria (Fr.) Th. Fr.

candelaria (L.) Th. Fr. [1](#)(#Note 01)
elegans (Link) Th. Fr. [1](#)(#Note 01)
fallax (Hepp) Arnold [1](#)(#Note 01)
fulva (Hoffm.) Poelt & Petutschnig [12](#)(#Note 12)
hasseana Räsänen [12](#)(#Note 12)
polycarpa (Hoffm.) Rieber [1](#)(#Note 01)
sorediata (Vainio) Poelt [1](#)(#Note 01)
ulophyllodes Räsänen [12](#)(#Note 12)

Xylographa (Fr.) Fr.

disseminata Willey [1](#)(#Note 01)
parallela (Ach. & Fr.) Behlen & Desberger [1](#)(#Note 01)
vitiligo (Ach.) J.R. Laundon [1](#)(#Note 01)

KEY

* lichenicolous fungi
† non-lichenized fungi

Notes

Added to list

Arthonia vinosa Leighton - the specimen in MICH provisionally determined as *A. helvola* is better placed here as the ascospores are mostly (1-)2 septate with only a few 3-septate.

Arthopyrenia ?cinereopruinosa (Schaerer)A. Massal. - a specimen in MICH from Isle Royale NP (Keweenaw Co.) described as 'like *A. lapponica*, but smaller in all respects' by Harris is probably this species.

Aspicilia grisea Arnold - a specimen in MICH collected from Isle Royale NP (Keweenaw Co.) is



referable to this taxon. This is the first record from N. America.

Caloplaca ahtii Söchting - several specimens in MSC were referred to this taxon by Dr. Söchting.

Caloplaca xanthostigmoidea (Räsänen) Zahlbr. - several specimens in MSC have been referred to this taxon by Dr Wetmore.

Fuscopannaria confusa (P. M. Jørg.) P. M. Jørg. - *The Bryologist* **103(4)**: 670-704.

Lecanora thysanophora R. C. Harris - *The Bryologist* **103(4)**: 790-793.

Sclerophora nivea (Hoffm.) Tibell - inadvertently omitted from the published list. The species is reported by Harris (1997).

Verrucaria macrostoma Dufour ex DC. f. furfuracea B. de Lesd. - a specimen in MSC from Baker Woodlot on the MSU campus, previously identified as *Endocarpon pusillum*, is referred here. It is the sorediate morph of *V. macrostoma* and apparently new to N. America.

Removed from List

Aspicilia calcarea (L.) Mudd – most Michigan records appear to be referable to *A. contorta* (C. Wetmore pers. comm.).

Usnea glabrata (Ach.) Vainio - Michigan specimens previously referred to *U. soredifera* are *U. lapponica*.

Other Changes

Rhizocarpon reductum Th. Fr. (syn. R.obscuratum) - Fryday (2000) showed that the name *R. obscuratum* had been mis-applied and that the species usually known by that name was better called *R. reductum*.

Appendix - Excluded Taxa

Collections of the following taxa have been recorded from Michigan but have not been included in the current Checklist.

Mis-identifications for N. America

Anaptychia ciliaris (L.) Körber (for North America = *A. setifera*) MSC (38)

Arthopyrenia rhyponota (Ach.) A. Massal. MICH (1)

Bacidia incompta (Borrer ex Hook.) Anzi, National Park

Bacidia sabuletorum (Schreber) Lettau (syn. *Mycobilimbia* s.) National Park, MSC (41)

Eopyrenula leucoplaca (Wallr.) R.C. Harris, National Park

Lecanora argopholis (Ach.) Ach. (*L. frustulosa* for N. America) National Park, MSC (16)

Ochrolechia pallescens (L.) A. Massal. MICH (1)

Pertusaria pertusa (for North America = *P. consocians*), reported in Medlin 1996

Physconia distorta (With.) J.R. Laundon, National Park, MSC (3)

Physconia grisea (Lam.) Poelt, MSC (1)

Pyrenula nitida (Weigel) Ach., MICH (1)

Ramalina fastigiata (Pers.) Ach. (probably = *R. americana*) MSC (38)

Sticta wiegelii (Ach.) Vainio, MICH (1)

Usnea plicata (L.) Weber, MICH (1)

Rhizocarpon plicatile (Leighton) A.L. Smith (possibly *R. rubescens*), National Park

Xanthoparmelia hypopsila (Müll. Arg.) Hale (most specimens are *X. angustiphylla*), National Park, MSC (4)

Xanthoparmelia taractica (Kremp.) Hale (eastern N. A. specimens are mostly *X. somloënsis*), National Park, MSC (26)

Uncertain Identification

Bryoria lanestris (Ach.) Brodo & D. Hawksw., MSC (2)

Bryoria nadvornikiana (Gyelnik) Brodo & D. Hawksw., National Park, MSC (30)

Calicium italicum nomen confusum MSC (1)

Cladonia subtenuis (Abbayes) Hale & Culb., MSC (1)

Dermatocarpon reticulatum H. Magn., National Park, MSC (2)

Lasallia pustulata (L.) Mèrat, MSC (3)

Dubious Locality

Alectoria sarmentosa (Ach.) Ach. subsp. *sarmentosa* - One specimen in MSC from 'Chatham MI' (UP) is probably mislabelled (I.M. Brodo)

Taxa not on N. American Checklist (Esslinger 1998)

Arthonia helvola (Nyl.) Nyl. MICH (1)

Caloplaca pyracea (Ach.) Th. Fr., annotated by U. Söchting (June 1999) MSC (41)

Cladonia cristatella forma *ramosa* Tuck., reported in Manierre 1999

Cladonia cristatella forma *squamosissima* Robb., reported in Manierre 1999

Heterodermia boreale Imsh. in ed., MSC (33)

Heterodermia spathulata Imsh. *H. galactophylla* sensu Kurokawa, MSC (14)

Ramalina cainii H. Magn., annotated by Magnusson MSC (2)

Ramalina confusa H. Magn., annotated by Magnusson MSC (6)

Ramalina michiganensis H. Magn., annotated by Magnusson MSC (2)

Rinodina magnussonii Sheard, MICH (6)

Rinodina verrucosa Sheard in ed., MSC (1)



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