

NEW LICHEN RECORDS FROM MICHIGAN AND OTHER CHANGES AFFECTING MICHIGAN SPECIES

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Since the publication of the Checklist of lichens and allied fungi from Michigan (Fryday et al. 2001), a number of additional records and other changes have come to my attention. These are presented below. With these additional records, the total number of taxa recorded from Michigan now totals 792 lichens and 42 lichenicolous fungi. All specimens are in MSC unless otherwise stated. The lichenicolous fungi are preceded by an asterisk.

NEW RECORDS FOR MICHIGAN

Agonomia allobata (Stizenb.) P. James

Emmet Co., Wilderness State Park, August 2000, *Fryday 8025*. This is the first record from North America. (Fryday 2001).

Arthonia vinosa Leighton

Washtenaw Co., on old wood,

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.

Keweenaw Co., Isle Royale National Park.

A specimen in MICH annotated "like *A. lapponica*, but smaller in all respects" is referable to this species.

Aspicilia grisea Arnold

Alger Co., Deerton, Laughing Whitefish Point, *Lowe 2475* (MICH).

This is the first record from North America. (Fryday 2001).

Caloplaca ahtii Søchting

Dickinson Co., road into O'Neil Lake campground, September 1971, *Harris 7388*. Ingham Co., Bear Lake, April 1974, *Harris 8666*.

Twelve collections of *Caloplaca holocarpa* in MSC (from three counties in the Upper Peninsula, and nine in the lower) have been re-determined as this species by Dr. U. Søchting (Copenhagen). A further seven collections (from four counties, all in the Upper Peninsula) were annotated "C. cf. *ahtii*, could be *C. borealis*."

Caloplaca xanthostigmoidea (Räsänen) Zahlbr.

Charlevoix Co., Beaver Island, August 1961, *Imshaug 27785*.

Chippewa Co., Lower Tahquamenon Falls, August 1957, *Imshaug 19905*.

These two collections (previously included in *C. discolor*) have been re-determined as this species by Dr. C. Wetmore (Minnesota).

***Carbonea supersparsa** (Nyl.) Hertel

Keweenaw Co., Isle Royale National Park, 1957, *Wetmore 567-A*.

Lichenicolous on *Lecanora polytropa*. Determined by Paul Diederich (Luxembourg).

- *Dactylospora deminuta** (Th. Fr.) Triebel
Keweenaw Co., Isle Royale National Park, N. of Conglomerate Bay, on ridge around ledges in mixed forest of birch, aspen, spruce and balsam fir (on *Biatora vernalis*), 25 July 1983, *Wetmore 49477* (ASU). (Triebel et al. 1991).
- Fuscopannaria confusa** (P. M. Jørg.) P. M. Jørg.
Dickinson Co., near O'Neill Lake Campground, *Harris 7502* (MICH). (Jørgensen 2000).
- Immersaria athrocarpa** (Ach.) Rambold & Pietschmann
Keweenaw Co., Isle Royale National Park, Heron Island in Rock Harbor outside of Tookers Island, 48°09'N 88°29'W, 26 July 1983, *Wetmore 49547* (M). (Hertel 2001).
- Micarea neostipitata** Coppins & May
Crawford Co., Grayling, Hartwick Pines State Park, on base of *Pinus resinosa*, August 2000. *A. J. Johnson sn.* (Coppins & May 2001).
- *Phacopsis oxyspora** (Tul.) Triebel & Rambold
Roscommon Co., 1959, *Imshaug 25458*. Lichenicolous on *Punctelia rудecta*. Determined by Paul Diederich (Luxembourg).
- Porpidia contraponenda** (Arnold) Knoph & Hertel
Porpidia diversa (Lowe) Gowan (known in Michigan from only Keweenaw Co., Isle Royale National Park) is now considered a synonym of this species (Fryday in press).
- Rhizocarpon timidii** Ihlen & Fryday
Keweenaw Co., Isle Royal National Park, south side, of Maskey Bay, c. 0.4 miles north of Wallace Lake, 1991, *D. Ladd 15544*. (Ihlen & Fryday 2002).
- Sclerophora pallida** (Pers.) Y.J. Yao & Spooner
(syn. *S. nivea* (Hoffm.) Tibell (1984). (Yao & Spooner 1999))
Cheboygan Co., on bark of deciduous trees.
Inadvertently omitted from Fryday et al. (2001). Harris (1977) reports this species, as *Conio-cybe pallida* (Pers.) Fr., with no further collection details.
- *Tremella cetrariicola** Diederich & Coppins
Keweenaw Co., Isle Royale National Park, 1959, *Wetmore 5207*.
Lichenicolous on *Tuckermannopsis ciliaris*. Determined by Paul Diederich (Luxembourg).
- Verrucaria macrostoma** Dufour ex DC.
Ingham Co., MSU campus, Baker Woodlot, on cement structure in ditch, April 1974, *Harris 8657*.
Previously mis-identified as *Endocarpon pusillum*. The specimen is sorediate, which has been called *Verrucaria macrostoma* f. *furfuracea* B. de Lesd.

DELETIONS FROM THE PUBLISHED LIST

- Parmeliella rubiginosa** (Ach.) Bory
- Peltigera collina** (Ach.) Schrader
The single Michigan records of these two species (Keweenaw Co., Isle Royale National Park) are those reported by Hendrick & Lowe (1936). Wetmore (1985) considers that they are probably misidentifications and, as no supporting specimens could be traced, they should be removed from the Michigan list.
- Porpidia calcarea** Gowan
Synonym of *Porpidia superba* (Körber) Hertel & Knoph (Fryday in press).
- Porpidia diversa** (Lowe) Gowan
Synonym of *Porpidia contraponenda* (Arnold) Knoph & Hertel (Fryday in press).
- Porpidia herteliana** Gowan
Synonym of *Porpidia cinereoatra* (Ach.) Hertel & Knoph (Fryday in press).

NOMENCLATURAL CHANGES

The name under which the taxon appeared in the published Checklist (Fryday et al 2001) is given as a synonym. This is followed by a reference to the publication in which the new combination was made.

- Amandinea polyspora** (Willey) E. Lay & P. May
syn. *Buellia polyspora* (Sheard & May 1997).
- Amandinea turgescens** (Nyl.) Marbach
syn. *Buellia turgescens* (Marbach 2000).
- Chrimofulvea dialyta** (Nyl.) Marbach
syn. *Buellia dialyta* (Marbach 2000).
- Cladonia arbuscula** (Wallr.) Flotow
syn. *Cladina arbuscula* (Ahti & DePriest 2001).
- Cladonia mitis** Sandst.
syn. *Cladina mitis* (Ahti & DePriest 2001).
- Cladonia rangiferina** (L.) F. H. Wigg.
syn. *Cladina rangiferina* (Ahti & DePriest 2001).
- Cladonia stellaris** (Opiz) Pouzar & Vezda
syn. *Cladina stellaris* (Ahti & DePriest 2001).
- Cladonia stygia** (Fr.) Ruoss
syn. *Cladina stygia* (Ahti & DePriest 2001).
- Hafellia arnoldii** (Servit) Hafellner & Türk
syn. *Buellia arnoldii* (Hafellner & Türk 2001)
- Hafellia disciformis** (Fr.) Marbach & H. Mayrhofer
syn. *Buellia disciformis* (Marbach 2000).
- Lecidea albohyalina** (Nyl.) Th. Fr.
syn. *Biatora albohyalina* (Printzen & Tønsberg 1999).
- Mycobilimbia epixanthoides** (Nyl.) Vitik., Ahti, Kuusinen, Lommi & T. Ulvinen
syn. *Biatora epixanthoides* (Hafellner & Türk 2001)
- Mycobilimbia pilularis** (Körber) Hafellner & Türk
syn. *Biatora sphaeroides* (Hafellner & Türk 2001)
- Mycobilimbia tetramera** (De Not.) Vitik., Ahti, Kuusinen, Lommi & T. Ulvinen
syn. *Biatora tetramera* (Hafellner & Türk 2001)
- Protopannaria pezizoides** (Weber) P. M. Jørg.
syn. *Pannaria pezizoides* (Jørgensen 2000).
- Rhizocarpon reductum** Th. Fr.
syn. *R. obscuratum* auct (Fryday 2000).

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