

A Checklist of Virginia Lichens

BRENDAN P. HODKINSON

Department of Biology, Duke University, Durham, North Carolina 27708; email:
bph8@duke.edu

RICHARD C. HARRIS

Institute of Systematic Botany, New York Botanical Garden, Bronx, New York 10458

MARTHA A. CASE

Biology Department, College of William and Mary, Williamsburg, Virginia 23187

Abstract. A list of 598 taxa of lichen-forming, lichenicolous, and allied fungi has been compiled exclusively from specimens examined and verified by the authors or associated specialists. This list contains 190 potential state records for Virginia, and three species that have not previously been reported from North America: *Arthonia anglica* Coppins, *Calvitimela talayana* (Haugan & Timdal) Andreev, and *Sphaerellothecium coniodes* (Nyl.) Cl. Roux & Diederich.

INTRODUCTION

The lichen flora of Virginia has been understudied. The state's most significant lichen survey to date is a list of bryophytes and lichens based on the 1966 foray of the American Bryological Society, which includes 159 lichen species from Shenandoah National Park (Forman & Sierk 1970). Until recent floristic work in the Williamsburg area (Hodkinson 2005, Hodkinson & Case 2008), a thesis focusing on the Peaks of Otter Natural Area was the only lichen flora published for the state (Slaughter 1977). A number of reports for Virginia have been published in a variety of sources (e.g., Ahti & Hyvönen 1985, Allard 1939, 1940, 1957, Allard & Leonard 1944a, 1944b, Alstrup 1991, Amtoft 2002, Amtoft et al. 2008, Blake 1957, Bowler & Rundel

1974, Brodo 1984, Brodo et al. 2001, Clerc & Herrera-Campos 1997, Culberson 1965a, 1965b, Culberson & Culberson 1968, 1978, Culberson & Hale 1965, Degelius 1974, Dey 1978, Dibben 1980, Eckfeldt 1894, Egan et al. 2005, Ekman 1996, Fahselt 1976, Fink 1935, Fleming & Coulling 2001, Forman & Sierk 1970, Fryday 2008, Gowan 1989, Gronovius 1739, Hafellner 1979, 2001, Hale 1970, 1971, 1972, 1974, 1975, Hale & Kurokawa 1964, Harris 1979, 1992, Harris & Ladd 2008, Heidmarsson 2003, Hinds 1998, Imshaug 1951, Jørgensen 2000, Kärnefelt 1979, Knudsen 2006, Kurokawa 2001, Lawrey 1980, 1981, 1984, 1991, 1993, Lawrey & Hale 1981, 1988, Lendemer 2009, Lindblom 1997, 2006, Llano 1950, Luttrell 1954, Patterson 1940, 1941, Schwartzman et al. 1987,

Sheard 1974, Thomson 1950, 1963, Timdal 1986, Wetmore 1983, 2004). However, the reliability of some specimen reports cannot always be confirmed, and taxonomic changes have rendered others obsolete or intractable without examination of voucher material. The group of range maps contained in Brodo et al.'s *Lichens of North America* (2001) gives the best overall picture of the rough distribution of lichen species in Virginia. While this book is a helpful guide to a portion of the lichen diversity in Virginia, it is incomplete, addressing only 40% of North American lichen diversity and presenting range maps for only about half of these taxa. The goal of the present study is to publish the first checklist of Virginia lichen-forming, lichenicolous, and allied fungi as a starting point for further study.

METHODS

This checklist was compiled primarily from voucher specimens identified or verified by the authors (BPH and RCH). The core collection for the list is mostly comprised of specimens held at the New York Botanical Garden (NY), Duke University (DUKE), the National Museum of Natural History at the Smithsonian (US), and Shenandoah National Park (Shen.; note: all specimens stored at this location were collected within the park). It also contains selected specimens from the reports cited above and several online databases (e.g., ASU, HERBESS, NPLICHEN, OSC, SBBG, and SMNH). The names used in this publication generally follow accepted taxonomy and nomenclature (Esslinger 2008) with occasional deviations due to corrections or the authors' personal preferences.

RESULTS AND DISCUSSION

Five hundred ninety-eight taxa were verified from herbarium collections. A literature review showed that 190 of these taxa have never been reported or mapped for the state of Virginia (even under nomenclatural synonyms). Notably, this total does not include the 52 state records recently reported by Hodkinson & Case (2008). Three of the records reported here represent species new to North America. *Arthonia anglica* Coppins has previously been treated as *Arthonia dryadum* R.C. Harris & Ladd ined. (2005), but has been found to be indistinguishable from European material (for a full report of this taxon in North America, see Lendemmer et al.; in press). *Calvitimela talayana* (Haugan & Timdal) Andreev was collected and recorded as part of the Shenandoah National Park Rock Outcrop Management Project, but its existence in North America has been verified and is formally published here; for a complete treatment of this species in North America, see Brodo (in prep). Entirely unreported from the continent is the lichenicolous fungus *Sphaerellothecium coniodes* (Nyl.) Cl. Roux & Diederich, a taxon that is presumably not known from any other collections outside of Europe (Ihlen 1998). A more detailed discussion of this *S. coniodes* record and the locality at which it was collected will be provided by Hodkinson (in review). These records likely reflect the paucity of lichen floristic studies. As more specimens are examined and taxa are added to the list, updates will be posted at <http://www.duke.edu/~bph8/VirginiaLichens/>, and a dynamic checklist (generated from selected herbarium

specimens that have been verified and databased at NY) will be accessible at <http://sciweb.nybg.org/Science2/hcol/lena/index.asp>.

Drastic differences can be seen in the number of species reported for the Mountains (505) versus each of the other physiographic provinces in the state of Virginia (209 in the Coastal Plain and 164 in the Piedmont). The Mountains of Virginia have been shown to be a hotspot of biodiversity for the world (Stein et al. 2000), and a good deal of undiscovered lichen diversity likely remains in this region. However, collection bias surely accounts for some degree of the discrepancy between provinces. Natural vegetation is much scarcer in the Coastal Plain and Piedmont, where most of the land is now urban, suburban, or agricultural. This difference in land use has caused collectors to conduct the vast majority of field work in the Mountains. The results of this study highlight the need for more serious collecting in the Coastal Plain and Piedmont of Virginia.

While herbarium specimens, and not literature citations, were considered to be the standard for including taxa in the Virginia lichen list, a single instance of a potentially misleading set of specimens must be addressed. The label data for *Teloschistes exilis* (Michaux) Vainio, specimen #91 in the exsiccata “Reliquiae Tuckermaniae,” states that it was collected in Alexandria, “Virginia” by Dr. Hale. The collections that Dr. Josiah Hale sent to Dr. Edward Tuckerman (i.e., the specimens that were eventually included in “Reliquiae Tuckermaniae”) were primarily from Alexandria, Louisiana (Tucker 1979), where one would expect to find *T. exilis*. It

seems likely that someone misread “LA” as “VA,” resulting in an error now found in numerous herbaria. The specimen is even used as the basis for the inclusion of Alexandria, Virginia, area on the species’ range map by Brodo et al. (2001; I. Brodo, pers. comm.). Assuming that this is an error, *T. exilis* is excluded from this list.

CHECKLIST

The following checklist of lichen-forming, lichenicolous, and allied fungi has been compiled exclusively from voucher specimens examined by the authors or specialists associated with the present study. Cited specimens are listed according to the physiographic provinces in which they were collected (C – Coastal Plain; P – Piedmont; M – Mountains; Fig. 1). Two projects for which specimens are not credited to the individual collectors are the Forest Health Management Project (collections credited to FHM) and the Shenandoah National Park Rock Outcrop Management Project (collections credited to ‘SNP;’ specimens are housed at Shenandoah National Park). Samples of unidentified species are included only when they represent otherwise unknown genera in Virginia. Several specimens examined yielded difficult and potentially problematic determinations; these are included with a question mark (?). Lichenicolous fungi are designated by an asterisk (*), while lichen allies are marked with a dagger (†). Taxa that are potentially new to Virginia (i.e., for which no other report for the state has been seen) are indicated by a double cross (‡).

- Abrothallus hypotrachynae* Etayo & Diederich*‡ – M: Harris 54076 (on *Hypotrachyna showmanii*; NY)
- Acarospora badiofusca* (Nyl.) Th. Fr.‡ – P: Guccion 1083 (NY)
- Acarospora fuscata* (Schrader) Arnold – C: Hodkinson 2599 (DUKE); M: Harris 26918 (NY), 36708 (NY), SNP 68, 71, 87, 97, 174
- Acarospora glaucocarpa* (Ach.) Körber – M: Hubricht B388 (US), B408 (US)
- Acarospora obpallens* (Nyl. ex Hasse) Zahlbr. – M: Ihrman 7422 (Shen.)
- Acarospora umbilicata* Bagl.‡ – M: Flenniken 1466 (NY)
- Agonimia opuntiella* (Buschardt & Poelt) Vězda‡ – M: Guccion 1053 (NY), 1388 (Guccion, pers. herb.)
- Ahtiana aurescens* (Tuck.) Thell & Randlane – M: Culberson 11429 (DUKE), 11329 (DUKE), Hale 12924 (DUKE)
- Alectoria fallacina* Mot. – M: Dey 5627 (DUKE)
- Allocetraria oakesiana* (Tuck.) Randlane & Thell – M: Reed 67471 (NY), 62279 (NY), Hale 12419 (US)
- Amandinea milliaris* (Tuck.) P. May & Sheard – C: Hodkinson 1341 (DUKE), 2727 (NY)
- Amandinea polyspora* (Willey) E. Lay & P. May – C: Hodkinson 335 (DUKE), 353 (NY); P: Guccion 1084 (NY); M: Anderson 08June1936 (NY)
- Amandinea punctata* (Hoffm.) Coppins & Scheid. – C: Hodkinson 309 (DUKE), 1347 (NY), 3259 (DUKE); M: Harris 26861B (NY), 36684 (NY)
- Amandinea submontana* Marbach – C: Hodkinson 3782 (DUKE)
- Anaptychia palmulata* (Michx.) Vainio – C: Hodkinson 2317 (DUKE), Wiseman 197 (DUKE); P: Hodkinson 5022 (DUKE), 5023 (DUKE), Hale 14610 (DUKE); M: Dey 5692 (DUKE), 5711 (DUKE), Harris 36629 (NY), Buck 20702 (NY)
- Anisomeridium biforme* (Borrer) R. C. Harris‡ – M: Buck 28406 (NY)
- Anisomeridium distans* (Willey) R. C. Harris‡ – M: Buck 28349 (NY)
- Anisomeridium polypori* (Ellis & Everh.) M. E. Barr – P: Guccion 1085 (NY); M: Harris 36692 (NY), Buck 36977 (NY), Lendemer 3802 (NY), 3796 (NY), Brodo 9382 (DUKE)
- Anzia colpodes* (Ach.) Stizenb. – C: Luttrell 1692 (US); P: Reed 58836 (NY), 63113 (NY), Hale 14609 (DUKE); M: Reed 66901 (NY), Culberson 11416 (DUKE), 11356 (DUKE)
- Arctoparmelia centrifuga* (L.) Hale‡ – M: SNP 39
- Arthonia anglica* Coppins [= *Arthonia dryadum* R.C. Harris & Ladd ined.]‡ – M: Perlmutter 1350 (NCU)
- Arthonia caesia* (Flotow) Körber – C: Hodkinson 367 (DUKE); M: Buck 36979 (NY)
- Arthonia lapidicola* (Taylor) Branth & Rostrup ?‡ – M: Hodkinson 9341 (NY)
- Arthonia quintaria* Nyl. – C: Hodkinson 2191 (DUKE), 2456 (NY); M: Hodkinson 9249 (NY)
- Arthonia rubella* (Fée) Nyl. – C: Hodkinson 947 (DUKE)
- Arthothelium spectabile* A. Massal. – M: Harris 36694 (NY), Hodkinson 9202 (in a mixed collection labeled as '*Pertusaria velata* UV+;'⁹ NY)
- Arthothelium taediosum* auct. Amer. – C: Hodkinson 4171 (DUKE); M: Hodkinson 9007 (Hodkinson, pers. herb.), Small 25July1892 (NY)
- Aspicilia caesiocinerea* (Nyl. ex Malbr.) Arnold‡ – P: Harris 36659 (NY); M: Anderson_June1936 (NY)
- Aspicilia cinerea* (L.) Körber – P: Guccion 1086 (NY); M: Harris 12930 (NY), SNP 2, 5, 34, 65, 68, 70, 71, 75, 94, 145, 169
- Aspicilia laevata* (Ach.) Arnold‡ – M: Buck 36966 (NY)
- Aspicilia verrucigera* Hue‡ – M: Anderson 29June1935 (NY)
- Bacidia coprodes* (Körber) Lettau – C: Hodkinson 3274 (NY), 4020 (DUKE); M: Hodkinson 9253 (NY)
- Bacidia helicospora* S. Ekman – C: Hodkinson 3771 (DUKE)
- Bacidia heterochroa* (Müll. Arg.) Zahlbr. – C: Hodkinson 324 (DUKE), Reed 63970 (NY); M: Harris 36630 (NY)
- Bacidia rubella* (Hoffm.) A. Massal. – M: Harris 9941 (MIN)
- Bacidia schweinitzii* (Fr. ex E. Michener) A. Schneider – C: Hodkinson 1867 (NY), 2415 (DUKE), Reed 60641 (NY); P: Reed 127742 (NY), Culberson 6735 (DUKE); M: Lendemer 3829 (NY), Culberson 6735 (DUKE), 11199 (DUKE)
- Bacidia suffusa* (Fr.) A. Schneider – C: Hodkinson 1463 (DUKE); P: Reed 74137 (NY); M: Perlmutter 1354 (NCU)

- Bacidina delicata* (Leight.) V. Wirth & Vězda ?‡ – M: Buck 53399 (NY)
- Bacidina egenula* (Nyl.) Vězda – C: Hodkinson 1998 (DUKE); M: Hodkinson 9117 (NY)
- Baeomyces rufus* (Hudson) Rebent. – M: Buck 53348 (in a mixed collection labeled as *Sphaerellothecium coniodes* (Nyl.) Cl. Roux & Diederich; NY)
- Bagliettoa baldensis* (A. Massal.) Vězda‡ – M: van Ingen _March1920 (NY)
- Bathelium carolinianum* (Tuck.) R. C. Harris – C: Hodkinson 423 (DUKE)
- Biatora appalachensis* Printzen & Tønsberg‡ – M: Harris 54023 (NY)
- Biatora longispora* (Degel.) Lendemer & Printzen‡ – M: Buck 20659 (NY), 20686 (NY)
- Biatora printzenii* Tønsberg‡ – M: Harris 12892 (NY)
- Biatora vernalis* (L.) Fr.‡ – M: Buck 53372 (NY)
- Bilimbia sabuletorum* (Schreber) Arnold – M: Buck 28413 (NY), Harris 12945 (NY), 12962 (NY), Hodkinson 9275 (DUKE)
- Botryolepraria lesdainii* (Hue) Canals et al.‡ – M: Perlmutter 1368 (NCU)
- Bryoria furcellata* (Fr.) Brodo & D. Hawksw. – M: Buck 28353 (NY), Culberson 11198 (DUKE), 20123 (DUKE), Hodkinson 8957 (NY), Reed 68927 (NY)
- Buellia curtisii* (Tuck.) Imshaug – C: Hodkinson 303 (DUKE), 388 (DUKE), 1352 (NY), Reed 118118 (NY), Anderson _June1936 (NY); P: Reed 59121 (NY); M: Harris 36628 (NY)
- Buellia dialyta* (Nyl.) Tuck.‡ – M: Harris 36779 (NY)
- Buellia elizae* (Tuck.) Tuck. – C: Tuckerman _1854 (Holotype/Lectotype?; F)
- Buellia spuria* (Schaeerer) Anzi – M: Luttrell 2896 (US)
- Buellia stellulata* (Taylor) Mudd‡ – M: SNP 60, 75, 266
- Buellia stillingiana* J. Steiner – C: Hodkinson 947 (DUKE), Reed 46158 (NY); P: Reed 59792 (NY); M: Harris 26894 (NY), Hodkinson 9196 (DUKE)
- Buellia vernicoma* (Tuck.) Tuck.‡ – M: Anderson 09June1936 (NY)
- Buellia wheeleri* R.C. Harris‡ (for more information on this taxon's distribution, see Lendemer and Hodkinson in press) – C: Hodkinson 10239 (NY)
- Bulbothrix confederata* (Culb.) Hale – P: Reed 59656 (NY)
- Calicium abietinum* Pers.‡ – M: Guccion 1054 (NY)
- Calicium glaucellum* Ach.‡ – M: Harris 10659 (NY), Buck 20685 (NY)
- Caloplaca camptidia* (Tuck.) Zahlbr.‡ – P: Reed 62735 (NY)
- Caloplaca cerina* (Hedwig) Th. Fr. – M: Anderson _June1936 (NY)
- Caloplaca chrysophthalma* Degel. – M: Harris 36764 (NY), Guccion 1055 (NY)
- Caloplaca citrina* (Hoffm.) Th. Fr. – M: Harris 12866 (NY)
- Caloplaca crenulatella* (Nyl.) H. Olivier‡ – M: Harris 10678 (NY), Hodkinson 9142 (NY)
- Caloplaca flavocitrina* (Nyl.) H. Olivier‡ – C: Hodkinson 1026 (originally reported as “*Caloplaca citrina* (Hoffm.) Th. Fr.” by Hodkinson & Case, 2008; NY)
- Caloplaca flavovirescens* (Wulfen) Dalla Torre & Sarnth. – C: Hodkinson 2331 (DUKE); M: Buck 2063 (NY), Harris 26967 (NY)
- Caloplaca microphyllina* (Tuck.) Hasse – M: Anderson _June1936 (NY), Culberson 11285 (DUKE)
- Caloplaca oxfordensis* Fink‡ – M: Ihrman 1463 (Shen.)
- Caloplaca subsoluta* (Nyl.) Zahlbr. – C: Hodkinson 1023 (DUKE), 1024 (DUKE), 1025 (NY); P: Guccion 1056 (NY), 1057 (NY); M: Ihrman 1582 (Shen.)
- Calvitimela talayana* (Haugan & Timdal) Andreev‡ – M: SNP 343
- Candelaria concolor* (Dickson) Stein – C: Hodkinson 304 (NY), 1918 (DUKE); P: Guccion 1087 (NY), Hodkinson 10266 (fertile; Hodkinson, pers. herb.); M: Hale 14605 (DUKE), Culberson 10109 (DUKE), 11295 (DUKE)
- Candelaria fibrosa* (Fr.) Müll. Arg. – P: Williams 326 (DUKE); M: Culberson 11166 (DUKE)
- Candelariella efflorescens* R.C. Harris & Buck – Guccion 1349 (fertile; det. Guccion, not seen; Guccion, pers. herb.).
- Candelariella reflexa* (Nyl.) Lettau – C: Hodkinson 88 (NY), 307 (DUKE), 805 (DUKE); P: Hodkinson 10252 (Hodkinson, pers. herb.); M: Harris 54026 (NY)
- Candelariella vitellina* (Hoffm.) Müll. Arg.‡ – P: Guccion 1058 (NY); M: Lehnert s.n. (US)
- Candelariella xanthostigma* (Ach.) Lettau‡ – M: Guccion 1059 (NY)

- Canoparmelia caroliniana* (Nyl.) Elix & Hale – C: Hodkinson 830 (DUKE), Reed 61403 (NY); P: Reed 59212 (NY); M: Seymour 25July1891 (NY); Hale 83 (DUKE)
- Canoparmelia crozalsiana* (de Lesd. ex Harm.) Elix & Hale – C: Hodkinson 289 (DUKE), 525, FHM 3707732-7 (DUKE); P: Hodkinson 5020 (DUKE)
- Canoparmelia texana* (Tuck.) Elix & Hale – C: Hodkinson 505 (NY), 2639 (DUKE); P: FHM 3607862-1 (DUKE)
- Catillaria nigroclavata* (Nyl.) Schuler‡ – M: Harris 26877A (NY)
- Cercidospora* sp.*‡ – M: SNP 176 (on *Rhizoplaca subdiscrepans*)
- Cetradonia linearis* (Evans) J.-C. Wei & Ahti‡ – M: Wieboldt 9385 (VPI)
- Cetraria arenaria* Kärnef. – M: Luttrell 3245 (DUKE), Allard 3908 (US), 4665a (US)
- Cetrelia chicitae* (Culb.) W. L. Culb. & C. Culb. – M: Buck 28338 (NY); Culberson 11423 (DUKE), Hale 78 (DUKE), Harris 36727 (NY), Lendemmer 4473 (NY)
- Cetrelia monachorum* (Zahlbr.) W. L. Culb & C. Culb. – M: Dey 5645 (DUKE), 5665 (DUKE), 5691 (DUKE), 5716 (DUKE), 5725 (DUKE)
- Cetrelia olivetorum* (Nyl.) W. L. Culb. & C. Culb. – M: Culberson 11180 (DUKE), 11238 (DUKE), 17375 (DUKE), Harris 36755 (NY), Reed 129134 (NY)
- Chaenotheca ferruginea* (Turner ex Sm.) Mig.‡ – M: Buck 28355 (NY), 20708 (NY)
- Chaenotheca furfuracea* (L.) Tibell‡ – M: Hodkinson 9050 (DUKE)
- Chaenotheca trichialis* (Ach.) Th. Fr.‡ – M: Buck 28340 (NY), 28405 (NY)
- Chaenothecopsis debilis* (Turner & Borrer ex Sm.) Tibell‡ – M: Lendemmer 3825 (PH)
- Chaenothecopsis pusilla* (Ach.) A. F. W. Schmidt‡ – M: Buck 2089 (NY)
- Chrysothrix onokoensis* (Wolle) R.C. Harris & Ladd‡ – M: Slaughter _1975-76 (EIU)
- Chrysothrix xanthina* (Vain.) Kalb – C: Hodkinson 3257 (DUKE); P: Hodkinson 10247 (Hodkinson, pers. herb.); M: Guccion 1060 (NY)
- Cladonia apodocarpa* Robbins – C: Hodkinson 1946 (DUKE), Torrey _Feb1937 (NY); P: Guccion 1088 (NY), Luttrell 3056 (US); M: Harris 12862 (NY), Buck 36959 (NY)
- Cladonia arbuscula* (Wallr.) Flotow – M: Culberson 11340 (DUKE)
- Cladonia atlantica* A. Evans‡ – C: Reed 128998 (NY), Torrey _Jan1937 (NY), _1937 (NY); P: Gray 925 (US), 959 (US)
- Cladonia beaumontii* (Tuck.) Vainio ? – C: Hodkinson 527 (DUKE)
- Cladonia caespiticia* (Pers.) Flörke – C: Hodkinson 1628 (NY), 2234 (DUKE); P: Guccion 1089 (NY), Killip 6534 (US); M: Harris 10660 (NY), 26935 (NY), Culberson 11219 (DUKE)
- Cladonia cariosa* (Ach.) Sprengel – P: Reed 59109 (NY)
- Cladonia caroliniana* Tuck. – P: Reed 103238 (lacking squamatic acid; NY), Luttrell 2231 (US); M: Luttrell 2423 (US)
- Cladonia chlorophaea* (Flörke ex Sommerf.) Sprengel – M: Harris 36736 (NY)
- Cladonia coccifera* (L.) Willd. – M: SNP 30, 115
- Cladonia coniocraea* (Flörke) Sprengel – C: Torrey _1937 (NY); M: Murrill 491 (NY)
- Cladonia crispata* (Ach.) Flotow – M: Anderson _1937 (thamnolic acid chemotype; NY), Slaughter _1975-76 (squamatic acid chemotype; EIU)
- Cladonia cristatella* Tuck. – C: Hodkinson 87 (NY), 639 (DUKE), 1839 (DUKE); P: Allard 10514 (NY), Hale 15112 (DUKE), Hodkinson 5005 (DUKE), 5033 (DUKE); M: Buck 36967 (NY), Dey 5578 (DUKE), Culberson 11379 (DUKE)
- Cladonia cryptochlorophaea* Asahina‡ – P: Hodkinson 5018 (DUKE), Reed 60367 (NY); M: SNP 122, Leeming 04June1892 (NY)
- Cladonia cylindrica* (A. Evans) A. Evans – C: Reed 139827 (NY); P: Hodkinson 10240 (NY), 11201 (DUKE); M: Harris 36777 (NY)
- Cladonia didyma* (Fée) Vainio var. *didyma* – C: Torrey _Feb1937 (NY); M: Seymour 01Aug1891 (NY)
- Cladonia didyma* var. *vulcanica* (Zoll. & Moritzi) Vainio – C: Hodkinson 1005 (DUKE), 2187; M: Reed 111567 (NY), Harris 27236 (NY), 36721 (NY)
- Cladonia digitata* (L.) Hoffm. – M: Dey 5555 (DUKE), 5652 (DUKE)
- Cladonia dimorphoclada* Robbins – C: Torrey _1937 (NY); M: Tucker 17796 (NY)
- Cladonia farinacea* (Vainio) A. Evans – C: Luttrell 3585 (US), Torrey _1937 (US)

- Cladonia fimbriata* (L.) Fr. – M: Anderson
_June1936 (NY), Culberson 19160 (DUKE)
- Cladonia floerkeana* (Fr.) Flörke – M: Dey 5607A
(DUKE)
- Cladonia floridana* Vainio – C: Luttrell 2054 (US)
- Cladonia furcata* (Hudson) Schrader – M: Buck
36951 (NY), Harris 36715 (NY), Culberson
20581 (DUKE)
- Cladonia grayi* G. Merr. ex Sandst. – C: Hodkinson
534 (NY), 653 (DUKE), 688 (DUKE), Reed
60703 (no fumarprotocetraric acid; NY), 62595
(no fumarprotocetraric acid; NY), 66144 (NY);
P: Reed 63136 (no fumarprotocetraric acid; NY),
68306 (fumarprotocetraric acid chemotype; NY),
84200 (fumarprotocetraric acid chemotype; NY);
M: Harris 26927 (NY), 26885 (NY), SNP 186,
Culberson 19642 (DUKE)
- Cladonia incrassata* Flörke – M: Harris 26964 (NY),
36685 (NY), Dey 5681 (DUKE)
- Cladonia innominata* Lendemert† – P: Reed 138220
(NY); M: Culberson 19161 (DUKE), 19162
(DUKE)
- Cladonia leporina* Fr. – C: Irwin & Payne 37252A
(NY), Walton 17April2002 (NY)
- Cladonia macilenta* Hoffm. var. *macilenta* – P:
Guccion 1090 (NY); M: SNP 254
- Cladonia macilenta* var. *bacillaris* (Genth) Schaerer –
C: Hodkinson 610 (DUKE), 1300 (NY), 1324
(DUKE), Anderson _June1936 (NY), Torrey
_1937 (NY); P: Guccion 1091 (NY), Luttrell
1674 (US); M: Harris 26851 (NY), 36670 (NY)
- Cladonia mateocyatha* Robbins – C: Hodkinson 529
(DUKE); P: Luttrell 2996 (US), Reed 59731
(NY); M: Guccion 1092 (NY)
- Cladonia merochlorophaea* Asahina† – M: Dey 5638
(DUKE)
- Cladonia ochrochlora* Flörke – C: Hodkinson 2245
(DUKE), 2258 (NY), Reed 59046 (NY); P:
Hodkinson 5009 (DUKE), Reed 63129 (NY); M:
Reed 83277 (NY)
- Cladonia parasitica* (Hoffm.) Hoffm. – C: Hodkinson
1290 (DUKE); P: Guccion 1093 (NY); M:
Culberson 11489 (DUKE), Dey 5635 (DUKE)
- Cladonia petrophila* R. C. Harris – M: Harris 12928
(NY), SNP 73
- Cladonia peziziformis* (With.) J. R. Laundon – C:
Hodkinson 425 (NY), 1283 (DUKE), Teller &
Cummings 22Dec1892 (DUKE); P: Hodkinson
5006 (DUKE), Guccion 1094 (NY); M: Buck
36961 (NY)
- Cladonia piedmontensis* G. Merr. – C: Hodkinson
644 (NY), 679 (DUKE); P: Gray _Feb1928
(NY); M: Allard 6196 (NY), 4275 (NY)
- Cladonia pleurota* (Flörke) Schaerer – P: Murrill 500
(NY); M: Harris 26883 (NY)
- Cladonia polycarpia* G. Merr. [chemotypes of
Cladonia subcariosa are maintained as separate
species in this list] – C: Torrey _Jan1937 (NY)
- Cladonia polycarpoides* Nyl. [chemotypes of
Cladonia subcariosa are maintained as separate
species in this list] – C: Hodkinson 646 (DUKE),
649 (NY), 1314 (DUKE), 2291 (DUKE), Reed
111552 (NY); P: Hodkinson 5016 (DUKE), Reed
63075 (NY); M: Reed 106169 (NY)
- Cladonia pyxidata* (L.) Hoffm. – P: Killip 6539b
(US); M: Guccion 1095 (NY)
- Cladonia ramulosa* (With.) J. R. Laundon – C:
Hodkinson 484 (NY), 2080 (DUKE); M: SNP
231
- Cladonia rangiferina* (L.) F. H. Wigg. – P: Allard
5914 (NY); M: Allard 4663 (NY)
- Cladonia rappii* A. Evans – C: Torrey _Jan1937
(NY), _Feb1937 (NY); M: Anderson _1937
(NY)
- Cladonia ravenelii* Tuck. – C: Hodkinson 566 (NY),
1536 (DUKE), Reed 79295 (NY); P: Hodkinson
6135 (DUKE), Dirig 3060 (NY)
- Cladonia rei* Schaerer – C: Hodkinson 492 (DUKE),
1739 (NY), 2077 (DUKE; Hodkinson specimens
originally reported as “*Cladonia subulata* (L.) F.
H. Wigg.” by Hodkinson & Case, 2008); M:
Harris 26851A (NY), Culberson 19643 (DUKE)
- Cladonia robbinsii* A. Evans – P: Cooke 16951
(DUKE), Reed 78222 (NY); M: Reed 75675
(NY)
- Cladonia scabriuscula* (Delise) Nyl.† – C: Torrey
_Jan1937 (NY)
- Cladonia sobolescens* Nyl. ex Vainio [chemotypes of
Cladonia subcariosa are maintained as separate
species in this list] – C: Hodkinson 561 (DUKE),
Torrey _Jan1937 (NY), _Feb1937 (NY); P:
Torrey _Feb1937 (NY); M: Allard 6429 (NY)
- Cladonia squamosa* Hoffm. – C: Hodkinson 728
(NY), 1322 (DUKE), 1489 (DUKE); P: Guccion
1096 (NY); M: Harris 36705 (NY), 36773 (NY),
SNP 222
- Cladonia strepsilis* (Ach.) Grognot – C: Hodkinson
1323 (DUKE), Torrey _1937 (NY), _Feb1937
(NY); P: Torrey _1937 (NY); M: Anderson
_June1936 (NY)

- Cladonia stygia* (Fr.) Ruoss – M: Ahti 42111 (H; det. Ahti, not seen), 42212 (H, US; det. Ahti, not seen)
- Cladonia subradiata* (Vainio) Sandst. – C: Hodkinson 1775 (DUKE); P: Miller 315 (NY)
- Cladonia subtenuis* (Abbayes) Mattick – C: Hodkinson 635 (NY), 1984 (DUKE), 2137 (DUKE), Worthley & Guerke 08June1968 (NY); P: Hodkinson 5014 (DUKE), Reed 63131 (NY); M: Allard 4475 (NY), SNP 104, 227
- Cladonia uncialis* (L.) F. H. Wigg. – M: Allard 10655 (NY), 6033 (NY), 18213 (NY), SNP 55, 229
- Cladonia verticillata* (Hoffm.) Schaerer – C: Torrey Feb1937 (NY); P: Allard 6011 (NY); M: Allard 3896 (NY), Culberson 11378 (DUKE)
- Coccocarpia erythroxyli* (Sprengel) Swinscow & Krog – M: Anderson 09June1936 (NY)
- Coccocarpia palmicola* (Sprengel) Arv. & D. J. Galloway – P: Reed 129014 (NY); M: Anderson 1937 (NY)
- Coenogonium luteum* (Dicks.) Kalb & Lücking‡ – M: Hodkinson 9045 (NY)
- Coenogonium pineti* (Ach.) Lücking & Lumbsch‡ – C: Teller & Cummings 19Dec1892 (NY); M: Buck 39138 (NY), 28346 (NY)
- Collema bachmanianum* (Fink) Degel. – C: Hodkinson 1364 (DUKE), 2098 (DUKE), 2355 (NY)
- Collema coccophorum* Tuck. – M: Guccion 1061 (NY)
- Collema conglomeratum* Hoffm. – P: Luttrell 1602 (US); M: Culberson 11328 (DUKE), 11413 (DUKE)
- Collema flaccidum* (Ach.) Ach. – P: Miller 515 (US); M: Hermann 14982 (US)
- Collema furfuraceum* (Arnold) Du Rietz – M: Hermann 14982 (NY), Hale 18190 (US)
- Collema fuscovirens* (With.) J. R. Laundon‡ – M: Culberson 11312 (DUKE)
- Collema subflaccidum* Degel. – C: Wiseman 190 (DUKE), M: Lendemer 3810 (NY), Harris 36735 (NY), Culberson 11424 (DUKE)
- Collema tenax* (Sw.) Ach.‡ – M: Hodkinson 9214 (NY)
- Conotrema urceolatum* (Ach.) Tuck. – M: Harris 26866 (NY), 26989 (NY), Culberson 11224 (DUKE)
- Cornutispora lichenicola* D. Hawksw. & B. Sutton*‡ – M: Harris 54077 (on *Lecanora strobilina*; NY)
- Cyphelium tigillare* (Ach.) Ach.‡ – M: Slaughter 1975-76 (EIU)
- Cystobasidium hypogymniicola* Diederich & Ahti*‡ – M: Harris 54128 (on *Hypogymnia incurvoides*; NY), 54129 (on *Hypogymnia krogiae*; NY)
- Dactylospora athallina* (Müll. Arg.) Hafellner*‡ – M: Buck 53348 (on *Baeomyces rufus*; NY)
- Dactylospora glaucomarioides* (Willey ex Tuck.) Hafellner*‡ – M: Hodkinson s.n. (on *Ochrolechia yasudae*; Hodkinson, pers. herb.)
- Dactylospora lobariella* (Nyl.) Hafellner* – M: Hafellner 2817 (US; det. Hafellner, not seen)
- Dermatocarpon arenosaxi* Amtoft‡ – M: Wieboldt 7213 (VPI)
- Dermatocarpon luridum* (With.) J. R. Laundon – P: Guccion 1127 (NY); M: Culberson 11334 (DUKE), Hermann 15145 (DUKE)
- Dermatocarpon muhlenbergii* (Ach.) Müll. Arg. – M: Culberson 11234 (DUKE), 11309 (DUKE), 11341 (DUKE)
- Dibaeis baeomyces* (L. f.) Rambold & Hertel – C: Hodkinson 1770 (DUKE), Reed 138768 (NY), 139463 (NY); P: Hodkinson 6083 (DUKE); M: Buck 36973 (NY)
- Dictyocatenuata alba* Finley & E. F. Morris‡ – M: Hodkinson 8991 (NY)
- Dimelaena oreina* (Ach.) Norman – P: Guccion 1097 (gyrophoric acid chemotype; NY); M: Harris 26901 (gyrophoric acid chemotype; NY), 13004 (gyrophoric acid chemotype; NY), SNP 34 (gyrophoric acid chemotype), 65 (fumarprotocetraric acid chemotype), 67 (fumarprotocetraric acid chemotype), 155 (fumarprotocetraric acid chemotype), 174 (gyrophoric acid chemotype), 176 (gyrophoric acid chemotype), Culberson 11461 (gyrophoric acid chemotype; DUKE)
- Diplolaeviopsis ranula* Giralt & D. Hawksw.*‡ – M: Harris 54078 (on *Lecanora strobilina*; NY), Hodkinson 9024 (on *Lecanora strobilina*; DUKE)
- Diploschistes muscorum* (Scop.) R. Sant. – M: Harris 26858 (NY), Leeming 13June1892 (NY)
- Diploschistes scruposus* (Schreber) Norman – M: Guccion 106 (NY), SNP 65, 271
- Endocarpon diffractellum* (Nyl.) Gueidan & Cl. Roux – M: Harris 12935A (NY), 10676 (NY), Hodkinson 9316 (DUKE)

- Endocarpon pallidulum* (Nyl.) Nyl.‡ – M: Hodgkinson 9118 (in a mixed collection filed under *Theldium zwackhii*; NY), 9273 (NY)
- Endocarpon petrolepideum* (Nyl.) Hue – M: Buck 28315 (NY), Harris 10686 (NY), Hodgkinson 9322 (DUKE), Reed 63008 (NY)
- Endococcus perpusillus* Nyl.*‡ – M: SNP 100 (on *Rhizocarpon geographicum*), 128 (on *Porpidia tuberculosa*)
- Endococcus propinquus* (Körber) D. Hawksworth*‡ – M: SNP 80 (on *Porpidia tuberculosa*), 273 (on *Porpidia tuberculosa*)
- Eopyrenula intermedia* Coppins‡ – M: Harris 12916 (NY), 12897 (NY), 26995 (NY), Hodgkinson 9265 (DUKE)
- Ephebe lanata* (L.) Vainio – M: Culberson 11468 (DUKE)
- Evernia mesomorpha* Nyl. – M: Anderson 08June1936 (NY), _June1936 (NY)
- Everniastrum catawbiense* (Degel.) Hale ex Sipman – M: Harris 26878 (NY), Dey 5594 (DUKE), 5600 (DUKE), 5654 (DUKE)
- Fellhanera granulosa* R. C. Harris & Lendemer – M: Buck 28322 (NY)
- Flavoparmelia baltimorensis* (Gyeln. & Főriss) Hale – C: Hodgkinson 1956 (NY), 2401 (DUKE); P: Reed 78230 (NY); M: Harris 12894 (NY), SNP 2
- Flavoparmelia caperata* (L.) Hale – C: Hodgkinson 721 (NY), 2287 (DUKE), Reed 61193 (NY); P: Reed 138223 (NY); M: Reed 67666 (NY), Hale 14661 (US)
- Flavopunctelia flaventior* (Stirton) Hale – M: Harris 26892 (NY), 26909 (NY), Culberson 11328 (DUKE)
- Flavopunctelia soledica* (Nyl.) Hale – M: Hale 59630 (US)
- Fuscidea appalachensis* Fryday – M: SNP 24
- Fuscidea arcuatula* (Arnold) V. Wirth & Vězda – M: Harris 13001 (NY), SNP 3, 6, 26, 27, 42, 60, 65, 67, 71, 97, 100, 113, 120, 129, 145, 155, 156, 157
- Fuscidea pusilla* Tønberg‡ – M: Harris 54032 (NY)
- Fuscopannaria leucosticta* (Tuck.) P. M. Jørg. – C: Wiseman 154 (DUKE); M: Harris 12954 (NY), Hermann 14839 (US)
- Graphis scripta* (L.) Ach. – C: Hodgkinson 831 (DUKE), 968 (NY), 1018 (DUKE); P: Buck 28310 (NY); M: Harris 26890 (NY), 26958 (NY), Buck 20715 (NY)
- Gyalecta jenensis* (Batsch) Zahlbr.‡ – M: Green _1884 (NY)
- Haematomma persoonii* (Fée) A. Massal. – C: Hodgkinson 1725 (DUKE), 2521 (DUKE), 2591 (NY), Teller & Cummings 19Dec1892 (NY)
- Hertelidea pseudobotryosa* R.C. Harris et al.‡ – M: Slaughter _1975-76 (EIU)
- Heterodermia albicans* (Pers.) Swinscow & Krog – C: Hodgkinson 475 (DUKE), 1107 (NY), 1789 (DUKE), 2173 (DUKE)
- Heterodermia appalachensis* (Kurok.) Culb. – M: Reed 66874 (NY), Culberson 11404 (DUKE)
- Heterodermia echinata* (Taylor) Culb. – C: Anderson _June1935 (NY); M: Murrill 493 (NY)
- Heterodermia erecta* Lendemer‡ – M: Hodgkinson 9186 (NY)
- Heterodermia granulifera* (Ach.) Culb. – M: Guccion 1062 (NY), Reed 67649 (NY), 67678 (NY)
- Heterodermia hypoleuca* (Ach.) Trevisan – C: Anderson 03September1934 (NY); P: Guccion 1098 (NY), Hale 15594 (US), Miller 141 (US), 255 (US); M: Lendemer 3871 (NY), 3857 (NY), FHM 3608073-21 (DUKE), 3707968-4 (DUKE)
- Heterodermia leucomela* (L.) Poelt – M: Harris 36753 (NY), Culberson 11397 (DUKE)
- Heterodermia neglecta* Lendemer, R. C. Harris, & Tripp – M: Harris 12984 (norstictic acid chemotype; NY), 13011 (acid deficient chemotype; NY), 36681 (acid deficient chemotype; NY), Culberson 11300 (acid deficient chemotype; DUKE)
- Heterodermia obscurata* (Nyl.) Trevisan – C: Anderson _June1936 (NY); P: Reed 68490 (NY), Hale 15649 (DUKE); M: Culberson 11172 (DUKE)
- Heterodermia speciosa* (Wulfen) Trevisan – P: Hodgkinson 5024 (DUKE), M: Harris 36669 (NY), 12919 (NY)
- Heterodermia squamulosa* (Degel.) Culb. – M: Lendemer 3861 (NY), Harris 36672 (NY)
- Hyperphyscia adglutinata* (Flörke) H. Mayrh. & Poelt – M: Allard 5747a (US)
- Hyperphyscia syncolla* (Tuck. ex Nyl.) Kalb – C: Hodgkinson 2063 (NY), 2352 (DUKE), Reed 128034 (NY)
- Hypocenomyce anthracophila* (Nyl.) P. James & Gotth. Schneider – M: Harris 10665 (NY)
- Hypocenomyce friesii* (Ach.) P. James & Gotth. Schneider – M: Harris 36739 (NY)

- Hypocenyomyce scalaris* (Ach.) M. Choisy – P: Guccion 1099 (NY); M: Dirig 3056 (NY), 3057 (NY), 3058 (NY), L-3054 (DUKE)
- Hypogymnia incurvoides* Rass. ‡ – M: Harris 54094 (NY), 54095 (NY), 54096 (NY)
- Hypogymnia krogiae* Ohlsson – M: Harris 26908 (NY), Dey 5680 (DUKE)
- Hypogymnia physodes* (L.) Nyl. – M: Harris 26906 (NY), Hodkinson 8995 (DUKE)
- Hypogymnia tubulosa* (Schaerer) Hav. – M: Buck 20656 (NY)
- Hypotrachyna afrorevoluta* (Krog & Swinscow) Krog & Swinscow ‡ – M: Harris 26854 (NY), 26863 (NY), Guccion 1100 (NY)
- Hypotrachyna croceopustulata* (Kurok.) Hale – M: Hale 18493 (DUKE), Dey 5581 (DUKE)
- Hypotrachyna gondylophora* (Hale) Hale ‡ – M: Pike 4461 (NY)
- Hypotrachyna imbricatula* (Zahlbr.) Hale – M: Dey 5677 (DUKE), 5723 (DUKE)
- Hypotrachyna livida* (Taylor) Hale – C: Hodkinson 886 (DUKE), 901 (NY), 908 (DUKE), Reed 64637 (NY); P: Reed 58834 (NY); M: Reed 66953 (NY), Culberson 11333 (DUKE)
- Hypotrachyna oostingii* (J. P. Dey) Hale ‡ – M: Dey 5613 (DUKE), 5663 (DUKE)
- Hypotrachyna osseoalba* (Vainio) Park & Hale – C: Anderson_June1935 (NY), Reed 66597 (NY); M: Guccion 1392 (Guccion, pers. herb.)
- Hypotrachyna producta* Hale ‡ – M: Harris 54036 (NY)
- Hypotrachyna pustulifera* (Hale) Skorepa – P: Hale 15680 (US), Reed 138731 (NY), 138274 (NY)
- Hypotrachyna revoluta* (Flörke) Hale – P: Hale 38424 (NY); M: SNP 29
- Hypotrachyna rockii* (Zahlbr.) Hale ‡ – M: Culberson 11327 (DUKE), Hodkinson 9205 (NY)
- Hypotrachyna showmanii* Hale – C: Hodkinson 478 (DUKE); M: Harris 54038 (NY), 54039 (NY), 54076 (in a mixed collection labelled as *Abrothallus hypotrachynae* Etayo & Diederich; NY)
- Hypotrachyna taylorensis* (M. E. Mitch.) Hale ‡ – M: Hale 33415 (NY)
- Hypotrachyna thysanota* (Kurok.) Hale ‡ – M: Dey 5585 (DUKE), 5587 (DUKE)
- Hypotrachyna virginica* (Hale) Hale – M: Harris 26917 (NY), Dey 5679 (DUKE)
- Illosporium carneum* Fr. ‡ – M: Hodkinson 4732 (on *Peltigera praetextata*; NY)
- Imshaugia aleurites* (Ach.) S. F. Meyer – C: Reed 64169 (NY); P: Reed 62378 (NY); M: Reed 67411 (NY), Culberson 20122 (DUKE)
- Imshaugia placorodia* (Ach.) S. F. Meyer – P: Reed 65241 (NY), 63253 (NY); M: Reed 56499 (NY), Anderson 1937 (NY)
- Ionaspis alba* Lutzoni ‡ – M: Slaughter_1975-76 (EIU)
- Ionaspis lacustris* (With.) Lutzoni – M: Harris 12926 (NY), Culberson 11472 (DUKE)
- Lasallia papulosa* (Ach.) Llano – M: Harris 12937 (NY), Hermann 14148 (NY), Imshaug 38328 (NY), SNP 19
- Lasallia pensylvanica* (Hoffm.) Llano – M: Hermann 14157 (NY), SNP 5, 67, 266
- Lecania cuprea* (A. Massal.) v. d. Boom & Coppins – C: Hodkinson 562 (DUKE)
- Lecanora albella* (Pers.) Ach. var. *albella* – M: Guccion 1063 (NY)
- Lecanora albella* var. *rubescens* (Imshaug & Brodo) Lumbsch – M: Guccion 1064 (NY)
- Lecanora allophana* Nyl. – M: Hale 33368 (US)
- Lecanora argentata* (Ach.) Malme – C: Hodkinson 824 (NY), 827 (DUKE); M: Small 20July1892 (NY)
- Lecanora caesiorubella* Ach. subsp. *caesiorubella* – M: Harris 26928 (NY)
- Lecanora cenisia* Ach. – M: Harris 36743 (NY)
- Lecanora chlarotera* Nyl. – C: Hodkinson 312 (DUKE), 414 (DUKE), 3255 (NY), 3258 (DUKE), 3265 (DUKE)
- Lecanora cinereofusca* H. Magn. – M: Buck 28319 (NY), Harris 26889 (NY), 26947 (NY), Hodkinson 9199 (DUKE)
- Lecanora dispersa* (Pers.) Sommerf. – C: Hodkinson 1242 (DUKE); P: Guccion 1065 (NY); M: Ihrman 358-R (in a mixed collection labeled as *Rhizocarpon rubescens* Th. Fr.; Shen.)
- Lecanora hybocarpa* (Tuck.) Brodo – C: Hodkinson 361 (DUKE), 390 (DUKE), 392 (NY); P: Guccion 1101 (NY); M: Harris 36781 (NY), 36742 (NY), Culberson 11270 (DUKE)
- Lecanora imshaugii* Brodo – M: Harris 26939 (NY), Buck 20698 (NY)
- Lecanora louisianae* de Lesd. – C: Hodkinson 362 (NY), 412 (DUKE), 625 (DUKE)
- Lecanora muralis* (Schaerer) Rabenh. ‡ – P: Guccion 1102 (NY)
- Lecanora oreinoides* (Körber) Hertel & Rambold – M: Ihrman 273-R (Shen.)

- Lecanora polytropa* (Hoffm.) Rabenh. – M: Harris 26925 (NY)
- Lecanora pulicaris* (Pers.) Ach. – M: Harris 36752 (NY), 26920 (NY)
- Lecanora rugosella* Zahlbr.‡ – M: Harris 54107 (NY), 54108 (NY)
- Lecanora rupicola* (L.) Zahlbr.‡ – M: Anderson _June1936 (NY)
- Lecanora strobilina* (Sprengel) Kieffer – C: Hodkinson 807 (DUKE), 836 (DUKE), 906 (NY), Reed 121097 (NY); P: Maxon 498 (NY), Luttrell 1577 (US), 1870 (US), Culberson 4712 (DUKE); M: Harris 26891 (NY), SNP 6, Culberson 11232 (DUKE), 11382 (DUKE)
- Lecanora subimmersens* Vainio – M: Harris 12884 (NY)
- Lecanora subpallens* Zahlbr. – C: Hodkinson 910 (DUKE), 913 (DUKE), 1350 (NY), 1616 (DUKE), Reed 117289 (NY), 118117 (NY); M: Harris 36701 (NY)
- Lecanora symmicta* (Ach.) Ach. – M: Harris 54109 (NY)
- Lecanora thysanophora* R. C. Harris – M: Harris 26957 (NY), 36670A (NY)
- Lecanora valesiaca* (Müll. Arg.) Stizenb.‡ – M: Anderson _1937 (NY), Guccion 1066 (NY), Reed 75677 (NY)
- Lecanora wisconsinensis* H. Magn.‡ – M: Harris 26881 (NY), Buck 20650 (NY), 20679 (NY)
- Lecidea ahlesii* (Körber) Nyl. var. *ahlesii*‡ – M: Perlmutter 1283 (NCU)
- Lecidea atrobrunnea* (Lam. & DC.) Schaerer‡ [substance-deficient chemotype] – M: Anderson _June1936 (NY)
- Lecidea berengeriana* (A. Massal.) Th. Fr.‡ – M: Lendemmer 3872 (NY), Harris 36675 (NY), Buck 28394 (NY)
- Lecidea cyrtidia* Tuck.‡ – P: Guccion 1105 (NY); M: Buck 20669 (NY), 20712 (NY), Hodkinson 9341 (in a mixed collection labeled as *Arthonia lapidicola* ?; NY)
- Lecidea deminutula* H. Magn. – M: Brodo 9465 (CANL)
- Lecidea lapicida* (Ach.) Ach.‡ – M: Anderson 08June1935 (NY)
- Lecidea plebeja* Nyl. – C: Hodkinson 383 (DUKE); M: Harris 10658 (NY)
- Lecidea tessellata* Flörke – M: SNP 179
- Lecidella enteroleucella* (Nyl.) Hertel‡ – M: Slaughter _1975-76 (EIU)
- Leimonis erratica* (Körber) R. C. Harris & Lendemmer‡ – P: Luttrell 1572 (US); M: SNP 81
- Leiorreuma explicans* (Fink) Lendemmer – C: Hodkinson 967 (DUKE)
- Leiorreuma sericeum* (Eschw.) Staiger – C: Hodkinson 565 (DUKE), 978 (NY)
- Lempholemma polyanthes* (Bernh.) Malme‡ – M: Harris 9956 (NY)
- Lepraria adhaerens* K. Knudsen, Elix & Lendemmer‡ – M: Reed 62274 (NY)
- Lepraria caesiella* R. C. Harris – C: Hodkinson 2281 (DUKE); P: Reed 60677 (NY); M: Harris 36700 (NY)
- Lepraria caesioalba* (de Lesd.) J. R. Laundon‡ [fumarprotocetraric acid chemotype] – P: Guccion 1103 (NY); M: SNP 34, 44, 65, 80, 131
- Lepraria crassissima* (Hue) Lettau‡ – M: SNP 29, 31, 131
- Lepraria lobificans* Nyl. – C: Hodkinson 1020 (DUKE); M: Lendemmer 3799 (NY), 3837 (NY), SNP 270
- Lepraria neglecta* (Nyl.) Erichsen – M: SNP 1, 4, 73, 87
- Lepraria normandinoidea* Lendemmer & R. C. Harris – M: Harris 36656 (NY), 36718 (NY), Hodkinson 8978 (Hodkinson, pers. herb.)
- Leptogium austroamericanum* (Malme) C. W. Dodge – P: Hale 17924 (US); M: Hale 33249 (US), 12777 (US), 33169 (US)
- Leptogium chloromelum* (Sw.) Nyl. – M: Anderson 08June1936 (NY), Reed 62190 (NY)
- Leptogium corticola* (Taylor) Tuck. – C: Wiseman 180 (DUKE); M: Buck 20691 (NY), 28400 (NY)
- Leptogium cyanescens* (Rabenh.) Körber – C: Hodkinson 424 (NY), 1000 (DUKE); P: Hermann 15002 (NY); M: Buck 20705 (NY), Culberson 11440 (DUKE), Hale 33052 (US), Harris 36730 (NY)
- Leptogium dactylinum* Tuck. – M: Buck 28409 (NY), Guccion 04Nov1990 (NY), Hodkinson 9185 (Hodkinson, pers. herb.)
- Leptogium hirsutum* Sierk – M: Guccion 1067 (NY), Murrill 479 (NY)
- Leptogium lichenoides* (L.) Zahlbr. – M: Harris 26962 (NY), 36728 (NY)
- Leptogium marginellum* (Sw.) Gray‡ – C: Reed 75743 (NY)
- Leptogium millegranum* Sierk – P: Hale 14601 (DUKE)

- Leptogium tenuissimum* (Dickson) Körber*‡ – M: Guccion 158 (NY)
- Lichenochora obscuroides* (Lindsay) Triebel & Rambold‡ – M: Hodkinson 9349 (on *Phaeophyscia* sp.; NY)
- Lichenochonia erodens* M. S. Christ. & D. Hawksw.*‡ – C: Hodkinson 3264 (on *Lecanora strobilina*; DUKE); M: Buck 28373 (on *Punctelia rudecta*; NY)
- Lichenocodium lecanorae* (Jaap) D. Hawksw.*‡ – P: Guccion 1089 (on *Cladonia caespiticia*; NY)
- Lichenostigma cosmopolites* Hafellner & Calat.*‡ – M: Slaughter _1975-76 (on *Xanthoparmelia conspersa*; EIU)
- Lichenothelia* sp. †‡ – M: SNP 2, 6
- Lithothelium hyalosporum* (Nyl.) Aptroot – M: Wetmore 15407 (MIN)
- Lobaria pulmonaria* (L.) Hoffm. – M: Reed 67693 (NY), 67622 (NY), Harris 36711 (NY)
- Lobaria quercizans* Michx. – C: Hodkinson 1013 (DUKE), Reed 63614 (NY), Wiseman 170 (DUKE), 183 (DUKE); P: Reed 60209 (NY), 57537 (NY), 59722 (NY); M: Lendemmer 3798 (NY), Harris 36747 (NY)
- Lobaria ravenelii* (Tuck.) Yoshim. – C: Culberson 16018 (DUKE)
- Lobaria scrobiculata* (Scop.) DC. – M: Luttrell 2351 (US)
- Loxospora ochrophaea* (Tuck.) R. C. Harris – M: Leeming 28May1892 (NY), 26June1892 (NY), Hodkinson 9141 (DUKE)
- Loxospora pustulata* (Brodo & Culb.) R. C. Harris – C: Hodkinson 401 (DUKE), 1010 (DUKE), 1431 (NY); P: Guccion 1104 (NY), Leonard 18737 (US); M: Culberson 11230 (DUKE), 11271 (DUKE)
- Marchandiomyces lignicola* Lawrey & Diederich† – M: Lawrey 1716 (Holotype; NY)
- Maronea polyphaea* H. Magn.*‡ – M: Hodkinson 9285 (NY)
- Megalospora porphyritis* (Tuck.) R. C. Harris‡ – C: Reed 60718 (NY)
- Melanelia culbersonii* (Hale) Thell – M: SNP 56, 266
- Melanelia stygia* (L.) Essl. – M: SNP 84, 88, Anderson 08June1935 (NY)
- Melanelixia subaurifera* (Nyl.) O. Blanco et al. – M: Reed 66946 (NY), Culberson 11159 (DUKE)
- Melanohalea halei* (Ahti) O. Blanco et al.*‡ – M: Buck 20666 (NY), Culberson 11479 (DUKE)
- Melaspilea* sp.*‡ – M: Perlmutter 1284 (NCU)
- Menegazzia subsimilis* (H. Magn.) R. Sant.*‡ – M: Guccion 1068 (NY), 1069 (NY), Anderson 09June1936 (NY), Culberson 11331 (DUKE), Culberson 11249 (DUKE), 11329 (DUKE), Hale 18236 (US), 33225 (US)
- Micarea bauschiana* (Körb.) V. Wirth & Vězda‡ – M: Buck 53415 (pale form; NY)
- Micarea lithinella* (Nyl.) Hedl.*‡ – M: Slaughter _1975-76 (filed as *Porpidia crustulata*; EIU)
- Micarea peliocarpa* (Anzi) Coppins & R. Sant. – M: Buck 28402 (NY), 36972 (NY), Harris 36678 (NY), 36778 (NY), Hodkinson 9000 (Hodkinson, pers. herb.)
- Micarea prasina* Fr. – M: Harris 12942 (NY), 36680 (NY), 36759 (NY)
- Microcalicium arenarium* (A. Massal.) Tibell (†/*)*‡ – M: SNP 133 (on *Psilolechia lucida*)
- Minutoexcipula mariana* V. Atienza*‡ – C: Hodkinson 3251 (on *Pertusaria xanthodes*; NY), 3252 (on *Pertusaria* sp.; DUKE)
- Minutoexcipula tuckerae* V. Atienza & D. Hawksw.*‡ – P: Guccion 1112 (on *Pertusaria tetralthalamia* s. lat.; NY)
- Miriqidica leucophaea* (Flörke ex Rabenh.) Hertel & Rambold‡ – M: Anderson 08June1935 (NY)
- Muellerella lichenicola* (Sommerf. ex Fr.) D. Hawksw.*‡ – M: Hodkinson 9266 (on *Caloplaca flavovirescens*; NY), 9337 (on *Physcia pumilior*; NY)
- Muellerella pygmaea* (Körber) D. Hawksw.* – M: SNP 113 (on *Rhizocarpon rubescens*)
- Mycocalicium albonigrum* Nyl. Fink† – M: Buck 53306 (NY)
- Mycocalicium subtile* (Pers.) Szatala† – M: Harris 10648 (NY), 36757 (NY), Buck 28395 (NY), 28404 (NY), 36949 (NY)
- Mycoporum pycnocarpoides* Müll. Arg.*‡ – M: Hodkinson 9287 (NY)
- Myelochroa aurulenta* (Tuck.) Elix & Hale – C: Hodkinson 473 (NY), 2434 (DUKE), Reed 61833 (NY); P: Reed 138275 (NY); M: Lendemmer 3816 (NY), Hale 15881 (DUKE)
- Myelochroa galbina* (Ach.) Elix & Hale – C: Reed 83295 (NY); P: Reed 63086 (NY); M: Lendemmer 3849 (NY), Culberson 11247 (DUKE)
- Myelochroa obsessa* (Ach.) Elix & Hale – P: Reed 68773 (NY); M: Anderson 29June1935 (NY), Culberson 11358 (DUKE)

- Nadvornikia soredata* R. C. Harris – C: Hodkinson 563 (DUKE); P: Hodkinson 10245 (Hodkinson, pers. herb.), 10258 (NY); M: Buck 41816 (NY)
- Nectriopsis rubefaciens* (Ellis & Everh.) M. S. Cole & D. Hawksw.*‡ – M: Harris 26868 (on *Aspicilia* sp.; NY)
- Nephroma bellum* (Sprengel) Tuck. – M: Small 16June1892 (NY)
- Nephroma helveticum* Ach. – C: Luttrell 1766 (US), 2107(US); M: Poff 179 (DUKE), FHM 3707973-7A (DUKE), Hale 12663 (US)
- Nephroma parile* (Ach.) Ach. – M: Culberson 11453 (NY)
- Normandina pulchella* (Borrer) Nyl. – M: Buck 20706A (NY), 20705A (NY), 28372 (NY), Harris 12995A (NY)
- Ochrolechia africana* Vainio – C: Hodkinson 300 (NY), 301 (DUKE), 1945 (DUKE), 2010 (DUKE)
- Ochrolechia arborea* (Kreyer) Almb.‡ – M: Harris 36763 (NY), Buck 28401 (NY)
- Ochrolechia mexicana* Vainio – M: Guccion 1070 (NY), Hodkinson 9046 (DUKE)
- Ochrolechia pseudopallescens* Brodo‡ – C: Reed 63409 (NY), Anderson _June1936 (NY)
- Ochrolechia trochophora* (Vainio) Oshio – M: Harris 12952 (NY), 26971 (NY), 26988 (NY), 36776 (NY), Buck 28324 (NY), 28356 (NY)
- Ochrolechia yasudae* Vainio – P: Guccion 1106 (NY); M: Harris 10669 (NY), 36716 (NY), 36725 (NY), SNP 7, 259
- Opegrapha gyrocarpa* Flotow ? – M: SNP 148
- Opegrapha varia* Pers. – M: Lendemmer 3827 (NY)
- Opegrapha vulgata* Ach. – C: Hodkinson 397 (DUKE), 2151 (NY); M: Harris 12880 (NY)
- Pannaria lurida* ssp. *quercicola* P. M. Jørg. – C: Reed 9099 (Holotype in US; Isotype in NY); P: Hale 14568 (US), Luttrell 4889 (US)
- Pannaria subfusca* P. M. Jørg.‡ – P: Luttrell 3801 (US); M: Culberson 11211 (DUKE), Luttrell 537 (US), 3392 (US), 3557 (US)
- Pannaria tavaresii* P. M. Jørg. – C: Luttrell 1767 (US), 1922 (US), 2028 (US), 2109 (US)
- Parmelia neodiscordans* Hale‡ – M: Guccion 1071 (NY)
- Parmelia omphalodes* (L.) Ach. – M: Anderson 08June1935 (NY), 08June1936 (NY), SNP 110, Hale 88 (DUKE), 14679 (US)
- Parmelia saxatilis* (L.) Ach. – P: Miller 234 (US); M: Culberson 11181 (DUKE), FHM 3708026-18 (DUKE), Allard 2445 (US), 8324 (US)
- Parmelia squarrosa* Hale – P: Reed 138258 (NY); M: Reed 79487 (NY), Culberson 11331 (DUKE)
- Parmelia sulcata* Taylor – P: Reed 63067 (NY); M: Reed 127182 (NY), Culberson 11243 (DUKE)
- Parmeliella appalachensis* P. M. Jørg‡ – M: Culberson 11495 (DUKE)
- Parmelinopsis horrescens* (Taylor) Elix & Hale – C: Reed 61032 (NY); M: Harris 36770 (NY), Dey 5573 (DUKE)
- Parmelinopsis minarum* (Vainio) Elix & Hale – C: Reed 61026 (NY); P: Reed 138728 (NY); M: Lendemmer 3831 (NY), Culberson 11430 (DUKE)
- Parmelinopsis spumosa* (Asahina) Elix & Hale – C: FHM 3707567-17 (DUKE)
- Parmeliopsis subambigua* Gyelnik – C: Reed 83922 (NY), FHM 3607668-8 (DUKE); P: Reed 138720 (NY), Hale 14595 (DUKE)
- Parmotrema arnoldii* (Du Rietz) Hale – M: Dey 5629 (DUKE)
- Parmotrema austrosinense* (Zahlbr.) Hale – C: Hodkinson 1937 (DUKE), 3262 (NY)
- Parmotrema cetratum* (Ach.) Hale – C: Reed 59393 (NY); P: Reed 63461 (NY); M: Culberson 12892 (DUKE)
- Parmotrema crinitum* (Ach.) M. Choisy – P: Guccion 1107 (NY); M: Harris 36719 (NY), 26919 (NY), Hale 17783 (DUKE)
- Parmotrema despectum* Kurok.‡ – C: Reed 61854 (NY), 59407 (NY); P: Reed 63077 (NY)
- Parmotrema gardneri* (C. W. Dodge) Sérus. – C: Hodkinson 846 (DUKE), 1017 (NY), Reed 138180 (NY); P: Guccion 1108 (NY), Reed 83336 (NY); M: Reed 67674 (NY)
- Parmotrema hypoleucinum* (Steiner) Hale – C: Hodkinson 621 (originally reported as “*Parmotrema hypotropum* (Nyl.) Hale” by Hodkinson & Case, 2008; NY), 1857 (DUKE), Reed 64170 (NY), 57542 (NY)
- Parmotrema hypotropum* (Nyl.) Hale – C: Hodkinson 1310 (DUKE), 1859 (DUKE), Reed 61018 (NY); P: Hodkinson 5010 (DUKE), 5013 (DUKE), Reed 99334 (NY); M: Lendemmer 3813 (NY)
- Parmotrema louisianae* (Hale) Hale – C: Hodkinson 1723 (DUKE), 1723B (NY)
- Parmotrema margaritatum* (Hue) Hale – P: Reed 63308 (NY); M: Harris 9925 (NY), Hale 18263 (US)

- Parmotrema perforatum* (Jacq.) A. Massal. – C: Hodkinson 711 (NY), 1910 (DUKE), 2134 (DUKE), Reed 66132 (NY); P: Hodkinson 5027 (DUKE), 5028 (DUKE), Reed 138225 (NY); M: Reed 57756 (NY)
- Parmotrema perlatum* (Huds.) M. Choisy – M: Reed 84110 (NY), Culberson 11153 (DUKE)
- Parmotrema praesorediosum* (Nyl.) Hale – C: Hodkinson 1271 (DUKE)
- Parmotrema reticulatum* (Taylor) M. Choisy – C: Hodkinson 1822 (NY), 2645 (DUKE), Reed 61029A (NY); P: Hodkinson 5011 (DUKE), 5030 (DUKE), Reed 75814 (NY); M: Hodkinson 9201 (apothecia present; Reed 66850 (NY))
- Parmotrema stuppeum* (Taylor) Hale – M: Harris 36750 (NY), 36761 (NY)
- Parmotrema subsidiosum* (Müll. Arg.) Hale – C: Hodkinson 290 (NY), 1263 (DUKE), Reed 139462 (NY); P: Hodkinson 5007 (DUKE), Reed 75840 (NY); M: Harris 67668 (NY)
- Parmotrema submarginale* (Michaux) DePriest & B. Hale – C: Hodkinson 907 (DUKE), 2213 (NY), Reed 128048 (NY); P: Reed 58835 (NY); M: Hale 12891 (DUKE)
- Parmotrema subrigidum* Egan – C: Reed 63971 (NY)
- Parmotrema subtinctorium* (Zahlbr.) Hale – P: Reed 138226 (NY); M: Reed 66702 (NY)
- Parmotrema tinctorum* (Delise ex Nyl.) Hale – C: Luttrell 1709 (US)
- Parmotrema ultralucens* (Krog) Hale – C: Culberson 16019 (DUKE)
- Parmotrema xanthinum* (Müll. Arg.) Hale – C: Reed 9097A (NY); M: Seymour 27July-01August1891 (NY)
- Peltigera canina* (L.) Willd. – M: Allard 3966 (US), 14April1935 (US), Hale 14842 (US)
- Peltigera didactyla* (With.) J. R. Laundon – M: Luttrell 2426 (US), Anderson 08June1936 (NY), Leeming 04June1892 (NY)
- Peltigera elisabethae* Gyelnik – M: Culberson 11392 (DUKE)
- Peltigera evansiana* Gyelnik – M: Guccion 1072 (NY)
- Peltigera horizontalis* (Hudson) Baumg. – C: Hodkinson 1091 (DUKE); M: Small 5269 (NY), Dey 5704 (DUKE), Hale 18298 (US)
- Peltigera hydrothyria* Miadlikowska & Lutzoni – M: Allard 4601 (NY), Culberson 11439 (DUKE), 11441 (DUKE)
- Peltigera leucophlebia* (Nyl.) Gyelnik – M: Murrill 470 (NY), Anderson 09June1936 (NY), Culberson 11313 (DUKE), Allard 4833 (US)
- Peltigera neckeri* Hepp ex Müll. Arg.‡ – M: Hale 10432 (US), 18118 (US), 18181 (US), 18877 (US)
- Peltigera neopolydactyla* (Gyelnik) Gyelnik – C: Hodkinson 1090 (DUKE), 1745 (NY); M: Hale 17810 (US), 17840 (US)
- ‘*Peltigera neopolydactyla sensu lato*’ – C: Hodkinson 1121 (DUKE), 1122 (DUKE), 1124 (DUKE), 1125 (DUKE), 1128 (NY)
- Peltigera phyllidiosa* Goffinet & Miadlikowska – C: Hodkinson 2256 (DUKE), Wiseman 177 (DUKE); P: Hodkinson 5025 (DUKE); M: Culberson 11209 (DUKE), Dey 5689 (DUKE), Hodkinson 9200 (NY)
- Peltigera polydactylon* (Necker) Hoffm. – M: Seymour 27July-01Aug1891 (NY), Culberson 11380 (DUKE), Allard 4086 (US)
- Peltigera praetextata* (Flörke ex. Sommerf.) Zopf – C: Hodkinson 2168 (DUKE), Wiseman 182 (DUKE); M: Allard 5881 (US), Hodkinson 4732 (NY), Harris 26996 (NY), 36634 (NY), 26942 (NY), Leeming 13June1892 (NY), Anderson 29June1935 (NY), 09June1936 (NY), Culberson 11298 (DUKE), 11305 (DUKE), 11347 (DUKE)
- Peltigera rufescens* (Weiss) Humb. – C: Hodkinson 1267 (DUKE); M: Allard 2411 (US), 4096 (US), Luttrell 80 (US), 2999 (US)
- Peltula* sp.‡ – P: Hodkinson 10205 (DUKE, NY)
- Pertusaria amara* (Ach.) Nyl. – P: Luttrell 2271 (DUKE); M: Buck 28339 (NY), Harris 36783 (NY)
- Pertusaria andersoniae* Lendemer – M: Anderson 08June1935 (NY)
- Pertusaria epixantha* R. C. Harris – C: Hodkinson 339 (originally reported as “*Pertusaria texana* Müll. Arg.” by Hodkinson & Case, 2008; DUKE), 389 (originally reported as “*Pertusaria texana* Müll. Arg.” by Hodkinson & Case, 2008; NY), 1201 (DUKE), 3647 (NY); P: Hodkinson 10246 (Hodkinson, pers. herb.); M: Harris 12904 (NY), 12909B (NY), 12911 (NY)
- Pertusaria globularis* (Ach.) Tuck. – M: Buck 28407 (NY), Hodkinson 9184 (DUKE), Reed 106138 (NY)
- Pertusaria hypothamnolica* Dibben‡ – P: Reed 62889 (NY)

- Pertusaria macounii* (Lamb) Dibben – M: Harris 26865 (NY), 26946 (NY), 26952 (NY), 36787 (NY)
- Pertusaria multipunctoides* Dibben – C: Hodkinson 680 (DUKE), Luttrell 2062 (DUKE); M: Buck 28342 (NY), Schallert 03Apr1938 (NY)
- Pertusaria neoscotica* Lamb – P: Reed 63455 (NY); M: Harris 26941 (NY), Hodkinson 9182 (NY), Luttrell 2583 (DUKE)
- Pertusaria ophthalmiza* (Nyl.) Nyl.‡ – C: Anderson 03Sept1934 (NY), Reed 63615 (NY); M: Harris 36771 (NY), 36691 (NY)
- Pertusaria ostiolata* Dibben‡ – C: Luttrell 1913 (DUKE); P: Guccion 1110 (NY)
- Pertusaria paratuberculifera* Dibben – C: Hodkinson 971 (DUKE), 1829 (NY), 2165 (DUKE), Reed 117323 (NY), Anderson _June1935 (NY); P: Harris 36660 (NY), Reed 83613 (NY); M: Buck 36968 (NY), Tucker 17738 (NY)
- Pertusaria plittiana* Erichsen – M: Harris 10662 (NY), 36712 (NY), Guccion 120 (NY), Schallert 1132 (NY)
- Pertusaria propinqua* Müll. Arg. – C: Hodkinson 1016 (DUKE), Luttrell 1704 (DUKE), 1915 (DUKE)
- Pertusaria pustulata* (Ach.) Duby – C: Hodkinson 818 (NY), 1402 (DUKE), Luttrell 1947 (DUKE); P: Guccion 1111 (NY); M: Buck 36978 (NY), Guccion 119 (NY), Harris 12875 (NY), 26972 (NY), 27205 (NY)
- Pertusaria rubefacta* Erichsen – C: Hodkinson 968 (DUKE); M: Buck 28371 (NY), Harris 12970 (NY), 26960 (NY)
- Pertusaria shenandoensis* Hale & Dibben – M: Dibben 22437 (DUKE), Hale 01June1971 (Holotype; US)
- Pertusaria sinismexicani* Dibben‡ – C: Luttrell 1771 (DUKE)
- Pertusaria subpertusa* Brodo – C: Hodkinson 399 (DUKE), 508 (NY), Luttrell 1604 (DUKE); P: Guccion 1109 (NY)
- Pertusaria tetrathalamia* (Fée) Nyl.‡ – C: Luttrell 2038 (DUKE)
- ‘*Pertusaria tetrathalamia sensu lato*’ ‡ [the thallus xanthone is lichexanthone not coronatone; may be an undescribed species] – P: Guccion 1112 (NY)
- Pertusaria texana* Müll. Arg. – P: Luttrell 1562 (DUKE)
- Pertusaria trachythallina* Erichsen – C: Luttrell 1638 (DUKE), 1695 (DUKE); M: Harris 36785 (NY), 12977 (NY), 26855 (NY), 26974 (NY), Reed 106142 (NY)
- Pertusaria valliculata* Dibben‡ – P: Guccion 1113 (NY)
- Pertusaria velata* (Turner) Nyl. – C: Luttrell 1912 (DUKE), 1916 (DUKE); P: Luttrell 2236 (DUKE); M: Harris 26940 (NY), 36693 (NY), Hodkinson 9181 (UV-; Hodkinson, pers. herb.), 9202 (UV+; NY), Lendemer 3797 (NY)
- Pertusaria waghernei* Hulting‡ – M: Anderson _June1936 (NY), Luttrell 2657 (DUKE)
- Pertusaria xanthodes* Müll. Arg. – C: Hodkinson 915 (NY), 2095 (DUKE); P: Guccion 1114 (NY)
- Phaeocalicium polyporaenum* (Nyl.) Tibell†‡ – M: Harris 36749 (NY), Miller 24254 (NY)
- Phaeographis inusta* (Ach.) Müll. Arg. – C: Anderson 03Sept1934 (NY), Hodkinson 810 (NY), 933 (DUKE), 1130 (DUKE), 1434 (DUKE); P: Hodkinson 10256 (Hodkinson, pers. herb.)
- Phaeophyscia adiastrata* (Essl.) Essl. – C: Hodkinson 833 (DUKE), Anderson _June1935 (NY); M: Buck 36969 (NY), Guccion 1075 (NY), Harris 36653 (NY), Hodkinson 9021 (fertile; DUKE)
- Phaeophyscia ciliata* (Hoffm.) Moberg – C: Reed 62010 (NY); M: Culberson 11286 (in a mixed collection labeled as *Phaeophyscia hirtella* Essl.; DUKE), Guccion 1115 (NY)
- Phaeophyscia hirsuta* (Mereschk.) Essl. – C: Hodkinson 842 (DUKE), 1530 (NY); P: Guccion 17May1998 (DUKE); M: Guccion 1073 (NY)
- Phaeophyscia hirtella* Essl. – C: Hodkinson 460 (DUKE), 1612 (NY); M: Culberson 11286 (DUKE)
- Phaeophyscia hispidula* (Ach.) Essl. – M: Small 04July1892 (NY)
- Phaeophyscia pusilloides* (Zahlbr.) Essl. – P: Guccion 1116 (NY), Allard 5747 (US), 5749 (US); M: Harris 12943 (NY), Culberson 11337 (DUKE)
- Phaeophyscia rubropulchra* (Degel.) Essl. – C: Hodkinson 375 (NY), 1515 (DUKE); P: Guccion 1117 (NY), Allard 5747b (US); M: Harris 36698 (NY), 36663 (NY)
- Phaeophyscia sciastra* (Ach.) Moberg‡ – M: Reed 58343 (NY)
- Phaeophyscia squarrosa* Kashiw.‡ – P: Guccion 1118 (NY); M: Guccion 1400 (Guccion, pers. herb.)

- Phaeospora* sp.*‡ – M: Slaughter _1975-76 (on an unknown host originally identified as ‘*Heterocarpon ochroleucum*,’ EIU)
- Phaeosporobolus alpinus* R. Sant., Alstrup & D. Hawksw.*‡ – P: Hodkinson 10257 (on *Pertusaria* sp.; NY); M: Ihrman 1694 (on *Ochrolechia arborea*; Shen.)
- Phlyctis argena* (Sprengel) Flotow – M: Harris 26951 (NY), Buck 20714 (NY), 20722 (NY)
- Phlyctis ludoviciensis* (Müll. Arg.) Lendemer‡ – P: Reed 138730 (NY)
- Phlyctis petraea* R. C. Harris ined.‡ – M: Harris 36724 (NY), SNP 1, 131
- Phyllopsora corallina* (Eschw.) Müll. Arg. – C: Hodkinson 1483 (DUKE)
- Physcia americana* G. Merr. – C: Anderson _June1935 (NY), Reed 68548 (NY); P: Hale 14612 (DUKE); M: Harris 12914 (NY), Lendemer 3860 (NY)
- Physcia millegrana* Degel. – C: Hodkinson 288 (DUKE), 2100 (NY), Anderson 03Sept1934 (NY); P: Culberson 4671 (DUKE); M: Harris 26978A (NY)
- Physcia phaea* (Tuck.) J. W. Thomson – M: Harris 12914 (NY), 26937 (NY)
- Physcia pseudospeciosa* J. W. Thomson – M: Guccion 1074 (NY), Hale 17910 (US), 18151 (US)
- Physcia pumilior* R. C. Harris – C: Hodkinson 1129 (DUKE), 1343 (NY); P: Guccion 1119 (NY); M: Perlmutter 1296 (NCU)
- Physcia sorediosa* (Vainio) Lynge – C: Reed 62011 (NY); M: Harris 12913 (NY)
- Physcia stellaris* (L.) Nyl. – C: Hodkinson 2505 (DUKE); P: Buck 30957 (NY), Guccion 1120 (NY); M: Harris 26922 (NY), Allard 5742d (US)
- Physcia subtilis* Degel. – C: Hodkinson 1273 (NY), 1280 (DUKE); P: Guccion 1121 (NY); M: Buck 20675 (NY), Harris 36664 (NY), SNP 19
- Physciella chloantha* (Ach.) Essl. – C: Anderson 21June1988 (NY), Hodkinson 501 (DUKE), 1466 (NY); P: Hodkinson 10253 (Hodkinson, pers. herb.)
- Physciella nepalensis* (Poelt) Essl.‡ – M: Ihrman 963 (Shen.)
- Physconia detersa* (Nyl.) Poelt – M: Culberson 11283 (DUKE), Hodkinson 9281 (NY)
- Physconia leucoleiptes* (Tuck.) Essl. – C: Hodkinson 2001 (lacking gyrophoric acid; DUKE); M: Harris 36662 (lacking gyrophoric acid; NY), 36775 (lacking gyrophoric acid; NY), Hale 33333 (gyrophoric acid chemotype = *P. kurokawae*; US), 33355 (gyrophoric acid chemotype = *P. kurokawae*; US)
- Placidiopsis minor* R. C. Harris – M: Harris 9965 (NY)
- Placidium arboreum* (Schw. ex E. Michener) Lendemer‡ – C: Wiseman 184 (DUKE); M: Purcell 3853 (NY), Culberson 11410 (DUKE), Luttrell 4180 (US)
- Placidium lacinulatum* (Ach.) Breuss‡ – P: Reed 68770 (NY)
- Placidium squamulosum* (Ach.) Breuss‡ – M: Guccion 1076 (NY)
- Placynthiella icmalea* (Ach.) Coppins & P. James‡ – P: Hodkinson 10254 (DUKE); M: Buck 28328 (NY), Harris 26858A (NY)
- Placynthiella oligotropha* (J. R. Laundon) Coppins & P. James‡ – M: Buck 20681 (NY)
- Placynthium nigrum* (Hudson) Gray – M: Harris 10681 (NY), 10679A (NY)
- Platismatia tuckermanii* (Oakes) W. L. Culb. & C. Culb. – P: Reed 83337 (NY); M: Reed 66817 (NY), Culberson 11251 (DUKE)
- Polysporina simplex* (Davies) Vězda‡ – C: Luttrell 2081 (US); P: Luttrell 1575 (US); M: Ihrman 1601 (Shen.)
- Porina heterospora* (Fink) R. C. Harris – C: Hodkinson 2244 (DUKE)
- Porpidia albocaerulescens* (Wulfen) Hertel & Knoph – P: Guccion 1122 (NY); M: Culberson 11316 (DUKE), Harris 26916 (NY), 12924 (NY), 36633 (NY), SNP 271
- Porpidia crustulata* (Ach.) Hertel & Knoph – M: Harris 9955 (NY), 36638 (NY), 38695 (NY)
- Porpidia lowiana* Gowan ?‡ – M: SNP 80, 128
- Porpidia macrocarpa* f. *nigrocruenta* (Anzi) Fryday‡ – M: Anderson 09June1936 (NY), Harris 36765 (NY)
- Porpidia subsimplex* (H. Magn.) Fryday‡ – M: Harris 26992 (NY), Luttrell 2758 (US), SNP 64
- Porpidia tuberculosa* (Sm.) Hertel & Knoph‡ – M: SNP 80, 81, 97, 113, 128, 129, 145, 270
- Protoblastenia rupestris* (Scop.) J. Steiner‡ – M: Harris 12863 (NY)
- Pseudevernia cladonia* (Tuck.) Hale & W. L. Culb. – M: Harris 26912 (NY), Buck 53401 (NY)
- Pseudevernia consocians* (Vainio) Hale & W. L. Culb. – M: Harris 26857 (NY)

- Pseudocypbellaria aurata* (Ach.) Vainio – C: Reed 68617 (NY)
- Pseudocypbellaria crocata* (L.) Vainio – M: Seymour 27July-01Aug1891 (NY), Leeming 26June1892 (NY)
- Pseudosagedia cestrensis* (Michener) R. C. Harris – C: Hodgkinson 997 (DUKE); P: Buck 28313 (NY); M: Harris 12932 (NY)
- Pseudosagedia guentheri* (Flotow) Hafellner & Kalb‡ – M: Lendemmer 4417 (NY)
- Pseudosagedia raphidosperma* (Müll. Arg.) R. C. Harris – C: Hodgkinson 826 (DUKE)
- Psilolechia clavulifera* (Nyl.) Coppins‡ – M: Buck 53404 (NY)
- Psilolechia lucida* (Ach.) M. Choisy – M: SNP 133, 270
- Psora pseudorussellii* Timdal – M: Wieboldt 11158 (VPI)
- Psorula rufonigra* (Tuck.) Gotth. Schneider‡ – M: Guccion 1077 (NY)
- Punctelia appalachensis* (Culb.) Krog – C: Luttrell 1802 (US); M: Lendemmer 3800 (NY), 3801 (NY), Luttrell 4922 (US)
- Punctelia bolliana* (Mull. Arg.) Krog – M: Guccion 1078 (NY)
- Punctelia borneri* (Turner) Krog – M: Culberson 10113 (DUKE), 11282 (DUKE)
- Punctelia caseana* Lendemmer & Hodgkinson ined.‡ [= *Punctelia subrudecta* sensu Lendemmer (2004), see Lendemmer & Hodgkinson (in review)] – C: Reed 64166 (NY); P: Reed 138253 (NY); M: Reed 79194 (NY)
- Punctelia graminicola* (de Lesd.) Egan – M: Luttrell 4866 (US), SNP 21
- Punctelia missouriensis* G. Wilh. & Ladd – C: Hodgkinson 471 (DUKE), 1728 (NY), 2583 (DUKE), Reed 59389 (NY); P: FHM 3707775-7 (DUKE), Ladd 20781 (NY); M: FHM 3708041-3 (DUKE), Lendemmer 3842 (NY)
- Punctelia reddenda* (Stirton) Krog – M: Dey 5643 (DUKE)
- Punctelia rudecta* (Ach.) Krog – C: Hodgkinson 384 (DUKE), 474 (DUKE), 2037 (NY), Reed 61015 (NY); P: Reed 60408 (NY); M: Reed 58342 (NY)
- Pycnora praestabilis* (Nyl.) Hafellner‡ – M: Hodgkinson 9020 (NY)
- Pycnothelia papillaria* Dufour – C: Hodgkinson 85 (DUKE); P: Reed 62981 (NY); M: Harris 12993 (NY)
- Pyrenula cruenta* (Mont.) Vainio – C: Nearing_1937 (NY)
- Pyrenula cuyabensis* (Malme) R. C. Harris – C: Hodgkinson 1401 (DUKE)
- Pyrenula lucifera* R. C. Harris‡ – M: Buck 28318 (NY), 28334 (NY)
- Pyrenula pseudobufonia* (Rehm) R. C. Harris – C: Hodgkinson 723 (DUKE), 828 (NY), Reed 61382 (NY); P: Culberson 4718 (DUKE); M: Harris 12878 (NY), 12890 (NY), Buck 20657 (NY), 20687 (NY)
- Pyrenula punctella* (Nyl.) Trevisan – C: Hodgkinson 2226 (DUKE)
- Pyrenula subelliptica* (Tuck.) R. C. Harris – C: Hodgkinson 829 (NY), 883 (DUKE); M: Leeming 12June1892 (NY), Guccion 1079 (NY)
- Pyrrhospora varians* (Ach.) R. C. Harris – C: Hodgkinson 342 (DUKE), 528 (NY), 1415 (DUKE); P: Guccion 1123 (NY); M: Guccion 1080 (NY)
- Pyxine sorediata* (Ach.) Mont – C: Reed 137638 (NY); P: Hodgkinson 5001 (DUKE), 5019 (DUKE), Reed 63059 (NY); M: Reed 67001 (NY)
- Pyxine subcinerea* Stirton – C: Hodgkinson 505 (DUKE), 2102 (NY); P: Guccion 1124 (NY), Hodgkinson 10267 (Hodkinson, pers. herb.); M: Guccion 1125 (NY)
- Ramalina americana* Hale – C: Hodgkinson 1793 (DUKE), Anderson 03Sept1934 (NY); M: Reed 106162 (NY)
- Ramalina culbersoniorum* La Greca – M: Harris 36661 (norbarbatic acid chemotype; NY), Culberson 20585 (divaricatic acid chemotype; DUKE), Culberson 20584 (4-O-methylhypoprotocetraric acid chemotype; DUKE), Culberson 11421 (stenosporic acid chemotype; DUKE)
- Ramalina intermedia* (Delise ex Nyl.) Nyl. – M: Harris 36720 (NY), Pollard & Maxon 174 (NY)
- Ramalina petrina* Bowler & Rundel – M: Hermann 15849 (US; Holotype), Culberson 11391 (DUKE), Hale 18110 (US)
- Ramalina pollinaria* (Westr.) Ach. – M: Harris 10677 (NY)
- Ramalina stenospora* Müll. Arg.‡ – C: Anderson 03Sept1934 (in a mixed collection labeled as *Ramalina americana* Hale; NY), Luttrell 1926 (US)
- Ramalina willeyi* R. Howe – C: Williams 1581 (US)

- Ramboldia russula* (Ach.) Kalb, Lumbsch & Elix – M: Ihrman 901 (Shen.)
- Rhizocarpon cinereovirens* (Müll. Arg.) Vainio – M: Buck 36964 (stictic acid chemotype; NY)
- Rhizocarpon geographicum* (L.) DC. – M: Culberson 11480 (DUKE), SNP 100, 173
- Rhizocarpon grande* (Flörke ex Flotow) Arnold ?‡ – M: Anderson _June1936 (NY), SNP 68 (sterile)
- Rhizocarpon hochstetteri* (Körber) Vainio ? – M: SNP 80
- Rhizocarpon infernum* (Nyl.) Lynge f. *sylvaticum* Fryday‡ – M: Guccion 105 (NY), Buck 20651 (NY)
- Rhizocarpon reductum* Th. Fr. – M: Harris 26876 (NY), SNP 63, 81, 97, 113, 120, 145
- Rhizocarpon rubescens* Th. Fr.‡ – M: Harris 3599 (NY), 26903 (NY), SNP 81, 87, 97, 113, 120, 145
- Rhizocarpon subgeminatum* Eitner‡ – M: SNP 175
- Rhizoplaca subdiscrepans* (Nyl.) R. Sant. – M: Hermann 14848 (NY), SNP 95, 174
- Rinodina ascociscana* Tuck. – M: Buck 28388 (NY), 39140 (NY)
- Rinodina destituta* (Nyl.) Zahlbr.‡ – P: Reed 113269 (NY); M: Anderson 09June1936 (NY), Harris 12912 (NY)
- Rinodina maculans* Müll. Arg. – C: Hodkinson 308 (DUKE), 1345 (NY), 1436 (DUKE), 1896 (DUKE), 1897 (DUKE); P: Hodkinson 10248 (Hodkinson, pers. herb.)
- Rinodina papillata* H. Magn. – C: Hodkinson 1346 (DUKE)
- Rinodina subminuta* H. Magn.‡ – M: Buck 53381 (NY)
- Rinodina tephrae* (Tuck.) Herre‡ – M: Harris 12896 (NY)
- Ropalospora chlorantha* (Tuck.) S. Ekman – M: Buck 20677 (NY), 53391 (NY)
- Ropalospora lugubris* (Sommerf.) Poelt – M: SNP 80
- Roselliniella* sp. ?*‡ – M: Harris 54079 (on *Physcia stellaris*; NY)
- Sarcogyne clavus* (DC.) Kremp.‡ – M: SNP 26, 166
- Sarcogyne privigna* (Ach.) A. Massal. – P: Hodkinson 10208 (DUKE, NY); M: SNP 151, 175
- Sarcogyne regularis* Körber‡ – M: Ihrman 458-R (Shen.)
- Sarcogyne similis* H. Magn.‡ – M: Slaughter _1975-76 (EIU)
- Scoliciosporum chlorococcum* (Stenh.) Vězda – M: Buck 36975 (NY), 20667 (NY)
- Scoliciosporum umbrinum* (Ach.) Arnold‡ – M: Anderson 29June1935 (NY), 09July1936 (NY), SNP 75, 175
- Segestria leptalea* (Durieu & Mont.) R. C. Harris‡ – M: Hodkinson 8979 (NY)
- Sphaerellothecium coniodes* (Nyl.) Cl. Roux & Diederich*‡ – M: Buck 53348 (on *Baeomyces rufus*; NY)
- Sphinctrina turbinata* (Pers.: Fr.) De Not.‡ – M: Harris 26904 (NY), 36671 (NY)
- Stereocaulon dactylophyllum* Flörke – M: Hale 98 (DUKE)
- Stereocaulon glaucescens* Tuck. – M: Guccion 1126 (NY), SNP 40, 136, 137, 153, 165
- Sticta beauvoisii* Delise – M: Buck 44261 (NY), 44262 (NY), Harris 36740 (NY)
- Sticta fuliginosa* (Hoffm.) Ach. – M: Harris 26994 (NY), Culberson 11333 (DUKE)
- Sticta sylvatica* (Hudson) Ach.‡ – M: Slaughter _1975-76 (EIU)
- Stigmatidium* sp. ?*‡ – M: SNP 268 (on *Parmelia omphalodes*)
- Strigula stigmatella* (Ach.) R. C. Harris‡ – M: Buck 53323 (NY)
- Strigula submuriformis* (R.C. Harris) R.C. Harris‡ – M: Slaughter _1975-76 (EIU)
- Teloschistes chrysophthalmus* (L.) Th. Fr. – C: Britton 30March1894 (NY); P: Hale 91 (DUKE)
- Tephromela atra* (Hudson) Hafellner – C: Reed 61667 (NY); M: Anderson 29June1935 (NY), _June1936 (NY)
- Thelidium pyrenophorum* (Ach.) Mudd‡ – M: Green _1884 (NY), Hodkinson 9312 (NY)
- Thelidium zwackhii* (Hepp) A. Massal.‡ – M: Hodkinson 9118 (NY)
- Thelotrema subtile* Tuck.‡ – P: Harris 36641 (NY)
- Tomasellia americana* (Minks ex Willey) R. C. Harris‡‡ – C: Hodkinson 1131 (NY)
- Trapelia coarctata* (Turner ex Sm. & Sow.) M. Choisy – P: Hodkinson 6124 (DUKE); M: Buck 20690 (NY), Harris 26943 (NY), Hodkinson 9341 (in a mixed collection labeled as *Arthonia lapidicola* ?; NY)
- Trapelia corticola* Coppins & P. James‡ – M: Harris 54123 (NY)
- Trapelia glebulosa* (Sm.) J. R. Laundon‡ – M: Harris 26899 (NY), SNP 63, 73, 145

- Trapelia placodioides* Coppins & P. James‡ – M: Anderson 29June1935 (NY), Hodkinson 9194 (DUKE)
- Trapeliopsis flexuosa* (Fr.) Coppins & P. James – C: Hodkinson 2066 (NY), 2195 (DUKE), 2300 (DUKE), 2304 (DUKE); M: Harris 25871 (NY)
- Trapeliopsis gelatinosa* (Flörke) Coppins & P. James‡ – M: Harris 54124 (NY)
- Trapeliopsis granulosa* (Hoffm.) Lumbsch – M: Anderson 08June1936 (NY), SNP 105
- Trapeliopsis viridescens* (Schrader) Coppins & P. James – M: Harris 26965 (NY), 36674 (NY)
- Trematosphaeriopsis parmeliiana* (Jacq.) Elenkin* – M: Hafellner 2809 (on *Xanthoparmelia conspersa*; Hafellner, pers. herb.)
- Tremella parmeliarum* Diederich*‡ – M: Hodkinson 9228 (on *Parmotrema reticulatum*; Hodkinson, pers. herb.), 9235 (on *P. reticulatum*; Hodkinson, pers. herb.)
- Tremella* sp. 7 (Diederich 2007)*‡ – M: Hodkinson 9019 (on *Flavoparmelia caperata*; Hodkinson, pers. herb.), 9315 (on *F. caperata*; Hodkinson, pers. herb.)
- Trypethelium virens* Tuck. ex E. Michener – C: Hodkinson 1127 (NY), 2416 (DUKE), Reed 59062 (NY); P: Johnson 5255 (NY), 5258 (NY), 5260 (NY); M: Harris 36702 (NY)
- Tuckermanella fendleri* (Nyl.) Essl. – C: Hodkinson 1126 (DUKE), 1139 (NY), Reed 64643 (NY); P: Culberson 4680 (DUKE); M: Culberson 11447 (DUKE)
- Tuckermannopsis americana* (Sprengel) Hale – P: Hale 4198 (DUKE); M: Reed 75315 (NY)
- Tuckermannopsis ciliaris* (Ach.) Gyelnik – C: Reed 57535 (NY); P: Reed 62506 (NY); M: Reed 68921 (NY)
- Tuckermannopsis orbata* (Nyl.) M. J. Lai – M: Culberson 11389 (NY), Dey 5593 (NY)
- Tylothallia biformigera* (Leighton) P. James & Kiliass‡ – M: Guccion 137 (NY)
- Umbilicaria mammulata* (Ach.) Tuck. – M: Anderson 10June1936 (NY), Buck 28361 (NY), Harris 36707 (NY), Murrill 24-27Oct1916 (NY)
- Umbilicaria muhlenbergii* (Ach.) Tuck. – M: Anderson 08June1936 (NY), Small 226 (NY), SNP 68, 174
- Usnea amblyoclada* (Müll. Arg.) Zahlbr.‡ – M: Reed 66976 (NY), 88984 (NY)
- Usnea ceratina* Ach. – M: Harris 26948 (NY), 26970 (NY)
- Usnea cornuta* Körber – M: Dey 5659 (DUKE)
- Usnea dasaea* Stirton‡ – M: Hodkinson 9203 (NY), 9222 (DUKE), Reed 67623 (NY), 68911 (NY)
- Usnea endochrysea* Stirton – C: Hodkinson 2019 (originally reported as “*Usnea strigosa* (Ach.) Eaton” by Hodkinson & Case, 2008; NY), Reed 86824 (NY); M: Reed 1981-107 (NY), Seymour 01Aug1891 (NY)
- Usnea fragilescens* var. *mollis* (Vainio) Clerc‡ – M: Dey 5648 (DUKE)
- Usnea halei* P. Clerc – M: Harris 26879 (NY), Lendemer 4302 (NY), 4303 (NY), SNP 59, Hermann 15847 (DUKE), Culberson 11501 (DUKE)
- Usnea lapponica* Vainio – M: Seymour 27July-01August1891 (NY), Culberson 11259 (DUKE), 11422 (DUKE), 11436 (DUKE)
- Usnea mutabilis* Stirton – C: Hodkinson 700 (DUKE), 705 (DUKE), 1838 (NY); M: Hermann 15153 (DUKE)
- Usnea pennsylvanica* Mot. – C: Hodkinson 1328 (NY), 2250 (DUKE), Britton 01April1893 (NY); P: Hale 14611 (DUKE); M: Harris 10652 (NY), Culberson 11375 (DUKE), 11395 (DUKE)
- Usnea strigosa* (Ach.) Eaton – C: Hodkinson 394 (DUKE), 921 (DUKE), 1452 (DUKE), Reed 139464A (NY), 141968 (NY); P: Harris 36645 (NY); M: Harris 9952 (NY), Leonard 16369 (NY), Leeming 12June1892 (NY)
- Usnea subfloridana* Stirton – M: Culberson 11501 (DUKE), Harris 54125 (NY)
- Usnea subfusca* Stirton – M: Allard 9779 (US), Reed 79295 (NY)
- Usnea subgracilis* Vainio – M: Buck 28354 (NY), Culberson 11396 (DUKE), Guccion 1081 (NY)
- Usnea subscabrosa* Nyl. ex Mot. – C: Reed 9094 (NY), 128050 (NY); M: Hodkinson 8956 (NY), Reed 67584B (NY)
- Usnea trichodea* Ach. – C: Reed 46168 (NY), 46162 (diffractaic acid chemotype; NY)
- Verrucaria calkinsiana* Servit – C: Hodkinson 1293 (DUKE); M: Harris 12871 (NY)
- Vouauxiella lichenicola* (Lindsay) Petrak & H. Sydow*‡ – M: Slaughter _1975-76 (on *Lecanora hybocarpa*; filed under *Lecanora caesiorubella*, site 3; EIU)
- Vulpicida viridis* (Schwein.) J.-E. Mattsson & M. J. Lai – P: Reed 59650 (NY)

- Xanthomendoza fallax* (Hepp ex Arnold) Søchting, Kärnefelt & S. Kondr. – C: Hodkinson 1187 (DUKE)
- Xanthomendoza weberi* (S. Kondr. & Kärnefelt) L. Lindblom – C: Hodkinson 1490 (DUKE), 1539 (NY), 1747 (DUKE); P: Guccion 1082 (NY)
- Xanthoparmelia angustiphylla* (Gyelnik) Hale – M: SNP 87, 97
- Xanthoparmelia conspersa* (Ehrh. ex Ach.) Hale – M: Harris 12992 (NY), 36790 (NY), Culberson 11308 (DUKE)
- Xanthoparmelia cumberlandia* (Gyelnik) Hale – M: Harris 26914 (NY), Buck 20665 (NY)
- Xanthoparmelia hypofusca* (Gyelnik) Hodkinson & Lendemer ined. ‡ [= *X. tasmanica* auct. Amer., see Hodkinson & Lendemer (in review)] – M: Harris 13005 (NY)
- Xanthoparmelia hypomelaena* (Hale) Hale – P: Hale 30683 (US)
- Xanthoparmelia plittii* (Gyelnik) Hale – C: Hodkinson 2444 (DUKE); M: Culberson 11336 (DUKE), Harris 26923 (NY), SNP 19, 20
- Xanthoparmelia viriduloumbrina* (Gyelnik) Lendemer – M: Harris 36710 (NY)
- Xanthoria elegans* (Link) Th. Fr. – M: Hale & Poelt _1970 (GZU)

ACKNOWLEDGMENTS

The authors would like to thank James Lendemer for examining numerous specimens and for providing valuable comments and contributions to this manuscript, Sarah Hodkinson for assistance with collecting, processing, and databasing of specimens, Jolanta Miadlikowska for verifying *Peltigera* specimens, Phyllis Ihrman (whose cited specimens were all collected in Shenandoah National Park), John G. Guccion, Gary Perlmutter, and Thomas F. Wieboldt for providing specimens representing several new records, and all of those involved with the Forest Health Management Project, the Shenandoah National Park Rock Outcrop Management Project (esp. Wendy Cass), and the 2008 Blomquist Bryological and

Lichenological Foray (esp. Fred Huber and Mike Donahue) for helping with crucial data collection. Thanks are also due to Heather M. Wiseman for assisting with field work and Irwin M. Brodo for support and training through his lichen identification class at the Humboldt Field Research Institute. Gratitude is extended to Connie Robertson and Molly McMullen for their assistance in the preparation, storage, and databasing of specimens. The authors also thank Suzanne Joneson, Cécile Gueidan, Tami McDonald, and François Lutzoni for examining specimens, Gregory McKee and Rusty Russell for assistance with US collections, and Chicita Culberson for instruction in thin layer chromatography. Thanks must be extended to the numerous collectors that have generously deposited their specimens in various herbaria, making them accessible for examination as part of this project. Support for this research was provided by a grant to the College of William and Mary from the Howard Hughes Medical Institute Undergraduate Science Education Program. Funding was also provided by the William and Mary Charles Center and an Adkins Arboretum Botanical Research Award to BPH.

LITERATURE CITED

- Ahti, T. & S. Hyvönen. 1985. *Cladina stygia*, a common, overlooked species of reindeer lichen. *Annales Botanici Fennici* 22: 223-229.
- Allard, H. A. 1939. The aquatic lichen *Hydrothyria venosa* Russell in Virginia. *Claytonia* 5: 4-5.
- Allard, H. A. 1940. "Iceland moss", *Cetraria islandica* in Virginia. *Virginia Journ. Sci.* 1: 17-25.

- Allard, H. A. 1957. Occurrence of the lichen *Cetraria islandica* Ach. in Virginia and West Virginia. *Castanea* 22(2): 106-109.
- Allard, H. A. & E. C. Leonard. 1944a. The Cladoniae of Bull Run Mountain, Virginia. *Castanea* 9: 81-100.
- Allard, H. A. & E. C. Leonard. 1944b. Additions to the flora of Bull Run Mountain, Virginia. *Castanea* 9: 130-134.
- Alstrup, V. 1991. Variation in *Placidiopsis minor* as shown by a specimen from Greenland. *Lichenologist* 23(1): 89 - 92.
- Amtoft, A. 2002. *Pyxine subcinerea* in the Eastern United States. *Bryol.* 105: 270-272.
- Amtoft, A., F. Lutzoni & J. Miadlikowska. 2008. *Dermatocarpon* (Verrucariaceae) in the Ozark Highlands, North America. *Bryol.* 111: 1-40.
- ASU. Arizona State University Lichen Herbarium Online Database. <http://seinet.asu.edu/seinet/collections/selection.jsp>
- Blake, S. F. 1957. Review of the genus *Cladonia* in the District of Columbia and vicinity. *Rhodora* 59(699): 56-61.
- Bowler, P.A. & P.W. Rundel. 1974. The *Ramalina intermedia* Complex in North America. *Bryol.* 77(4): 617-623.
- Brodo, I. M. 1984. The North American species of the *Lecanora subfusca* group. *Nova Hedwigia, Beiheft* 79: 63-185.
- Brodo, I.M. In prep. *Calvitimela talayana* (Haugan & Timdal) Andreev in North America.
- Brodo, I. M., S. D. Sharnoff, & S. Sharnoff. 2001. *Lichens of North America*. New Haven: Yale University Press.
- Clerc, P. & M. Herrera-Campos. 1997. Saxicolous species of *Usnea* subgenus *Usnea* (Lichenized Ascomycetes) in North America. *Bryol.* 100: 281-301.
- Culberson, W. L. 1965a. *Cetraria chicitae*, a new and widely distributed lichen species. *Bryol.* 68: 95-99.
- Culberson, W. L. 1965b. The Foliose and Fruticose Lichens of the Environs of Mountain Lake, Giles County, Virginia. *Castanea* 30: 96-104.
- Culberson, W. L. & C. Culberson. 1968. The lichen genera *Cetrelia* and *Platismatia* (Parmeliaceae). *Contrib. U. S. Nat. Herbarium* 34 (7): 449-558.
- Culberson, W. L. & C. F. Culberson. 1978. *Cetrelia cetrarioides* and *C. monachorum* (Parmeliaceae) in the New World. *Bryol.* 81: 517-523.
- Culberson, W. L. & M. E. Hale. 1965. *Pyxine caesiopruinosa* in the United States. *Bryol.* 68: 113-116.
- Degelius, G. 1974. The lichen genus *Collema* with special reference to the extra-European species. *Symb. Bot. Ups.* 20(2): 1-215.
- Dey, J. P. 1978. Fruticose and foliose lichens of the high-mountain areas of the southern Appalachians. *Bryol.* 81: 1 - 93.
- Dibben, M. 1980. The chemosystematics of the lichen genus *Pertusaria* in North America north of Mexico. Milwaukee Public Museum, Biol. 5: 1-162.
- Diederich, P. 2007. New or interesting lichenicolous heterobasidiomycetes. *Opuscula Philolichenum* 4: 11-22.
- Eckfeldt, J. W. 1894. Lichenes, in: J. K. Small & A. M. Vail, Report of the Botanical Exploration of Southwestern Virginia during the season of 1892. *Mem. Torrey Botan. Club* 4: 196-200.
- Egan, R. S., R. Harms & T. Wilhelm. 2005. Studies on the lichen *Parmotrema*

- rigidum* s. lat. from North and South America. *Bryol.* 108(3): 402-405.
- Ekman, S. 1996. The corticolous and lignicolous species of *Bacidia* and *Bacidina* in North America. *Opera Botanica* 127: 1-148.
- Esslinger, T. L. 2008. A cumulative checklist for the lichen-forming, lichenicolous and allied fungi of the continental United States and Canada. North Dakota State University: <http://www.ndsu.nodak.edu/instruct/esslinge/chcklst/chcklst7.htm> (First Posted 1 December 1997, Most Recent Version (#14) 8 October 2008), Fargo, North Dakota.
- Fahselt, D. 1976. Prothallal lichen substances in two species of crustose lichens, *Fuscidea cyathoides* and *Rhizocarpon geographicum*. *Canad. J. Bot.* 54: 1742-1749.
- Fink, B. 1935. *The Lichen Flora of the United States*. University of Michigan Press, Ann Arbor. 426 pp.
- Fleming, G. P. & P. P. Coulling. 2001. Ecological communities of the George Washington and Jefferson National Forests, Virginia: preliminary classification and description of types. Natural Heritage Technical Report 01-14. Virginia Department of Conservation and Recreation, Division of Natural Heritage, Richmond, Virginia. *Unpublished report submitted to the USDA Forest Service*. 372 pp.
- Forman, R. & H. Sierk. 1970. Bryophytes and lichens of the Shenandoah National Park, Virginia, collected on the 1966 foray of the American Bryological Society. *Bryol.* 73: 82-92.
- Fryday, A. M. 2008. The genus *Fuscidea* (Fuscideaceae, lichenized Ascomycota) in North America. *Lichenologist* 40(4): 295-328.
- Gowan, S. P. 1989. The lichen genus *Porpidia* (Porpidiaceae) in North America. *Bryol.* 92: 25-59.
- Gronovius, J. F. 1739. *Flora Virginica*. Lugd. Batav.
- Hafellner, J. 1979. *Karschia*. Revision einer Sammelgattung an der Grenze von lichenisierten und nichtlichenisierten Ascomyceten. *Nova Hedwigia* 62: 1-248.
- Hafellner, J. 2001. Studies in lichenicolous fungi and lichens XII: on the genus *Trematosphaeriopsis* (Dothideales). *Mycotaxon* 80: 381-387.
- Hale, M. E. 1970. *Lichenes Americani Exsiccati*. Schedae for Fasc. IV and V.
- Hale, M. E. 1971. *Parmelia squarrosa*, a new species in section *Parmelia*. *Phytologia* 22: 29.
- Hale, M. E. 1972. *Parmelia pustulifera*, a new lichen from southeastern United States. *Brittonia* 24: 22-27.
- Hale, M. E. 1974. *Lichenes Americani Exsiccati*. Schedae for Fasc. VI.
- Hale, M. E. 1975. *Hypotrachyna showmanii*, a new lichen from eastern North America. *Bryol.* 79: 78-80.
- Hale, M. E. & S. Kurokawa. 1964. Studies on *Parmelia* subgenus *Parmelia*. *Contrib. U. S. Herb.* 36(4): 121-191.
- Harris, R. C. 1979. The genus *Placidiopsis* Beltr. (lichenized ascomycetes) new to North America as *Placidiopsis minor* sp. nov. *Michigan Botanist* 18: 57-58.
- Harris, R. C. 1992. *Cladonia petrophila*, a New Species from Eastern North America. *Brittonia* 44(3): 326-330.
- Harris, R. C. & D. Ladd. 2005. Preliminary Draft: Ozark Lichens. Enumerating the Lichens of the Ozark Highlands of Arkansas, Illinois, Kansas, Missouri, and

- Oklahoma. Prepared for the 14th Tuckerman Lichen Workshop, Eureka Springs, Arkansas.
- Harris, R. C. & D. Ladd. 2008. The lichen genus *Chrysothrix* in the Ozark Ecoregion, including a preliminary treatment for eastern and central North America. *Opuscula Philolichenum* 5: 29-42.
- Heidmarsson, S. 2003. Molecular study of *Dermatocarpon miniatum* (Verrucariales) and allied taxa. *Mycol. Res.* 107(4): 459 - 468.
- HERBESS. Lichen Herbarium at the University Duisburg-Essen Online Database. <http://www.uni-essen.de/botanik/herbbot.htm>
- Hinds, J. 1998. Lichen flora of eastern North America: The genus *Parmelia* sensu stricto. *Lichenogr. Thomsoniana* 53-69.
- Hodkinson, B. P. 2005. The lichen flora of the Williamsburg, Virginia, area. Honors Thesis. College of William and Mary, Williamsburg, VA.
- Hodkinson, B. P. In review. A first assessment of lichen diversity in one of North America's 'biodiversity hotspots' in the mountains of Virginia. *Castanea*.
- Hodkinson, B. P. & M. A. Case. 2008. A lichen survey of Williamsburg, Virginia. *Banisteria* 31: 24-30.
- Hodkinson, B. P. & J. C. Lendemer. In review. A Tale of Two Lichens: Molecular data reveals a case of morphological convergence in *Xanthoparmelia* (Parmeliaceae). *Bibliotheca Lichenologica*.
- Ihlen, P. G. 1998. The lichenicolous fungi on species of the genera *Baeomyces*, *Dibaeis*, and *Icmadophila* in Norway. *Lichenologist* 30: 27-57.
- Imshaug, H. A. 1951. The lichen-forming species of the genus *Buellia* occurring in the United States and Canada. Ph.D Thesis, University of Michigan.
- Jørgensen, P. M. 2000. Survey of the lichen family Pannariaceae on the American continent, north of Mexico. *Bryol.* 103(4): 670-704.
- Kärnefelt, I. 1979. The brown fruticose species of *Cetraria*. *Opera Botanica* 46: 1-150.
- Knudsen, K. 2006. *Acarospora obpallens* (Nyl. ex Hasse) Zahlbr. in the southeastern United States. *Evansia* 23(1): 9-10.
- Kurokawa, S. 2001. Taxonomic notes on *Parmelia reparata* (Parmeliaceae, Lichenes) and the related species. *Bulletin of the National Science Museum, Series B* [Tokyo] 27(1): 1-10.
- Lawrey, J. 1980. Correlations between lichen secondary chemistry and grazing activity by *Pallifera varia*. *Bryol.* 83: 328-334.
- Lawrey, J. D. 1981. Evidence for competitive release in simplified saxicolous lichen communities. *American Journal of Botany* 68: 1066-1073.
- Lawrey, J. 1984. Lichens as air pollution monitors in Shenandoah National Park, Virginia. *Unpublished report to NPS Denver*.
- Lawrey, J. D. 1991. The species-area curve as an index of disturbance in saxicolous lichen communities. *Bryol.* 94(4): 377-382.
- Lawrey, J. D. 1993. Lichens as monitors of pollutant elements at permanent sites in Maryland and Virginia. *Bryol.* 96(3): 339-341.

- Lawrey, J. & M. Hale. 1981. Retrospective study of lichen lead accumulation in the northeastern United States. *Bryol.* 84: 449-456.
- Lawrey, J. & M. Hale. 1988. Lichen evidence for changes in atmospheric pollution in Shenandoah National Park, Virginia. *Bryol.* 91: 21-23.
- Lendemer, J. C. 2004. Lichens of Eastern North America Exsiccati, Fascicle III, nos. 101-150. *Opuscula Philolichenum* 1: 41-54.
- Lendemer, J. C. 2009. *Pertusaria andersonii* (Pertusariaceae, Lichenized Ascomycetes), a new species from high elevations of the southern Appalachian Mountains in eastern North America. *Opuscula Philolichenum* 6: 55-58.
- Lendemer, J. C., J. Kocourkova & K. Knudsen. In press. Studies in lichens and lichenicolous fungi: more notes on taxa from North America. *Mycotaxon*.
- Lendemer, J. C. & B. P. Hodkinson. In press. Stretching the boundaries: A range extension for *Buellia wheeleri* R.C. Harris. *Evansia* 26(4).
- Lendemer, J. C. & B. P. Hodkinson. In review. A new perspective on *Punctelia subrudecta* in North America: Previously-rejected morphological characters corroborate molecular phylogenetic evidence and provide insight into an old problem. *Lichenologist*.
- Lindblom, L. 1997. The genus *Xanthoria* (Fr.) Th. Fr. in North America. *Journal of the Hattori Botanical Laboratory* 83: 75-172.
- Lindblom, L. 2006. *Xanthomendoza galericulata*, a new sorediate lichen species, with notes on similar species in North America. *Bryol.* 109: 1-8.
- Llano, G. 1950. A monograph of the lichen family Umbilicariaceae in the Western Hemisphere. Office of Naval Research, Navexos P-831.
- Luttrell, E. S. 1954. The Cladoniaceae of Virginia. *Lloydia* 17(4): 275-306.
- NPLICHEN: Lichens of the National Parks. *Shenandoah National Park Lichen List*. <http://www.ies.wisc.edu/nplichen/park.php?park=Shenandoah>
- OSC. *Oregon State University Mycological Collection Online Database*. <http://ocid.nacse.org/research/herbarium/myco/mycoPhp/webflora/index.php>
- Patterson, P. 1940. Bryophytic succession on boulders in the Mountain Lake area, Giles County, Virginia. *Va. J. Sci.* 1: 5-17.
- Patterson, P. 1941. Corticolous bryophyte societies at Mountain Lake, Virginia. *Amer. Midl. Naturalist* 23: 421-441.
- SBBG. Santa Barbara Botanic Garden Lichen Herbarium Online Database. <http://seinet.asu.edu/seinet/collections/selection.jsp>
- Schwartzman, D., M. Kasim, L. Stieff & J. H. Johnson, Jr. 1987. Quantitative monitoring of airborne lead pollution by a foliose lichen. *Water, Air, and Soil Pollution* 32: 363-378.
- Sheard, J. 1974. The genus *Dimelaena* in North America north of Mexico. *Bryol.* 77: 128-141.
- Slaughter, M. L. 1977. A taxonomic study of the lichen flora at the Peaks of Otter natural area along the Blue Ridge Parkway, Bedford County, Virginia. Masters Thesis, Eastern Illinois University.
- SMNH. *Swedish Museum of Natural History Cryptogamic Herbarium Online Database*.

http://andor.nrm.se/fmi/xsl/kbo/publFindSpecies.xsl?-view&-db=kbo_svampregister&-token.languagecode=en-GB

- Stein, B. A., L. S. Kutner & J. S. Adams (eds.). 2000. *Precious heritage: The status of biodiversity in the United States*. Oxford University Press, Oxford, UK.
- Thomson, J. 1950. The species of *Peltigera* of North America north of Mexico. *Amer. Midl. Nat.* 44: 1-68.
- Thomson, J. 1963. The lichen genus *Physcia* in North America. *Nova Hedwigia, Beiheft 7*, viii + 172.

- Timdal, E. 1986. A revision of *Psora* (Lecideaceae) in North America. *Bryol.* 89: 253-275.
- Tucker, S. C. 1979. New or noteworthy records of lichens from Louisiana. *Bryol.* 82: 125-140.
- Wetmore, C. 1983. Lichens of the air quality Class 1 National Parks. *Report submitted to National Park Service, Air Quality Division, Denver*. 158pp.
- Wetmore, C. 2004. The sorediate corticolous species of *Caloplaca* in North and Central America. *Bryol.* 107: 505-520.

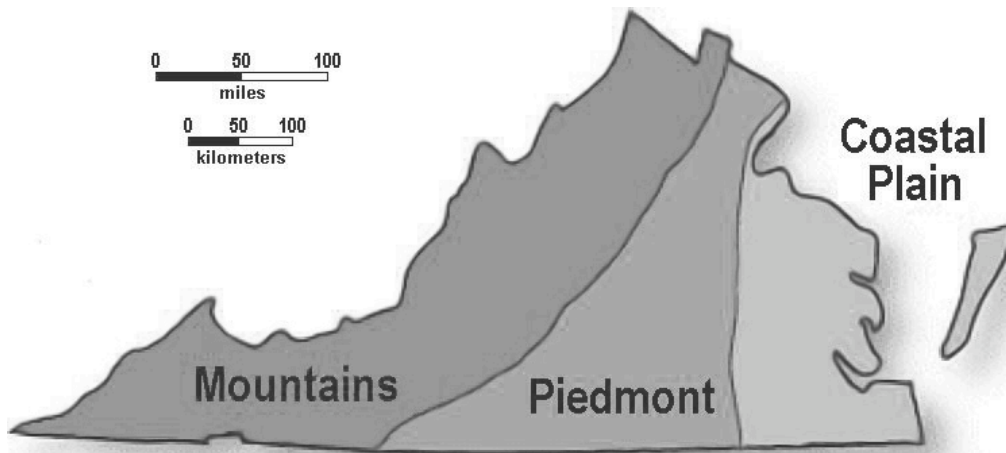


Figure 1. Virginia's physiographic provinces as defined in this publication. Cited specimens are listed according to whether they were collected in the Coastal Plain (C), Piedmont (P), or Mountains (M) of Virginia. [Image adapted from <http://www.wm.edu/geology/virginia/>.]