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A PRELIMINARY CATALOG OF THE LICHEN-FORMING FUNGI OF NEBRASKA

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ABSTRACT

A total of 438 lichen-forming taxa have been reported in the literature from Nebraska. Based on current taxonomic concepts and synonymy we recognized 312 lichen species in this catalog for the state. Published reports of lichen species citing specific collection localities are listed from only 31 counties. These records are concentrated in eastern Nebraska with the largest numbers of species listed from localities in Cass, Lancaster, Saunders, Richardson, and Sarpy counties.

† † †

The lichen-forming fungi are a ubiquitous group of symbiotic organisms found in terrestrial habitats around the world. At present, there are approximately 18,000 recognized species; over 4,000 taxa are known to occur in the continental United States and Canada (Egan and Esslinger, 1995). Few authors have studied and reported on the lichens of Nebraska, but this catalog summarizes the results of these scattered scientific endeavors.

The earliest published reports of lichens from Nebraska are found in the works of Edward Tuckerman (1872, 1882, 1888), often considered the father of American lichenology. Other early reports of lichens from Nebraska were made by Aughey (1875), Webber (1890) and Williams (1889). Since these early attempts at cataloging the lichen diversity of the state, only a scattering of literature reports were published. We have attempted in this paper to compile all of these diverse literature records and bring the nomenclature of the Nebraska lichen-forming fungi to current standards. At this point we are presenting only published reports; we have not attempted to survey herbaria for corrections or additions.

Lichens have been reported from 31 counties in Nebraska. Most of these records are from the eastern

counties. *In the catalog we have listed a county for every collection site if the recorded location was sufficiently specific.* We did not attempt county designations for localities cited as "Pine Ridge" or "western Nebraska." Some early localities from Tuckerman (1872, 1882, 1888) include mention of "Bad Lands of Judith, Nebraska" and along the "North Platte, Nebraska." We feel that some of these collection localities are actually in Wyoming or other western states. The greatest number of taxa has been reported from Weeping Water in Cass County (114). Other counties with numerous lichen taxa reports include Lancaster (55), Richardson (41), Sarpy (36), Saunders (36), Nemaha (22), and Knox (20). It would be naive to believe that counties in which no lichen species have been reported do not support lichen growth, rather it is probable that no one has made an attempt to collect and document those areas. A map of Nebraska counties and the numbers of accepted lichen species reported from each in the literature is found in Fig. 1.

A total of 312 species are recognized for Nebraska in this preliminary catalog based on reports of 438 taxa. Two taxa, *Abrothallus parmeliarum* (Sommerf.) Arnold and *Dactylospora pertusariicola* (Willey ex Tuck.) Hafellner are lichenicolous fungi or lichen "parasites." Some of the records are based on cited herbarium collections which can be verified, but many are included because they have been indicated in distribution maps (e.g., Hale, 1969, 1979) or merely mentioned as occurring in Nebraska. The second phase of our work will be to attempt to verify as many of these literature reports as possible and begin a systematic revision of various lichen genera for the state with the ultimate hope of presenting a complete lichen flora for Nebraska. The authors consider this publication a starting point and encourage others to become aware of the lichen biodiversity in Nebraska and assist us in developing a better understanding of this unique group of fungi.

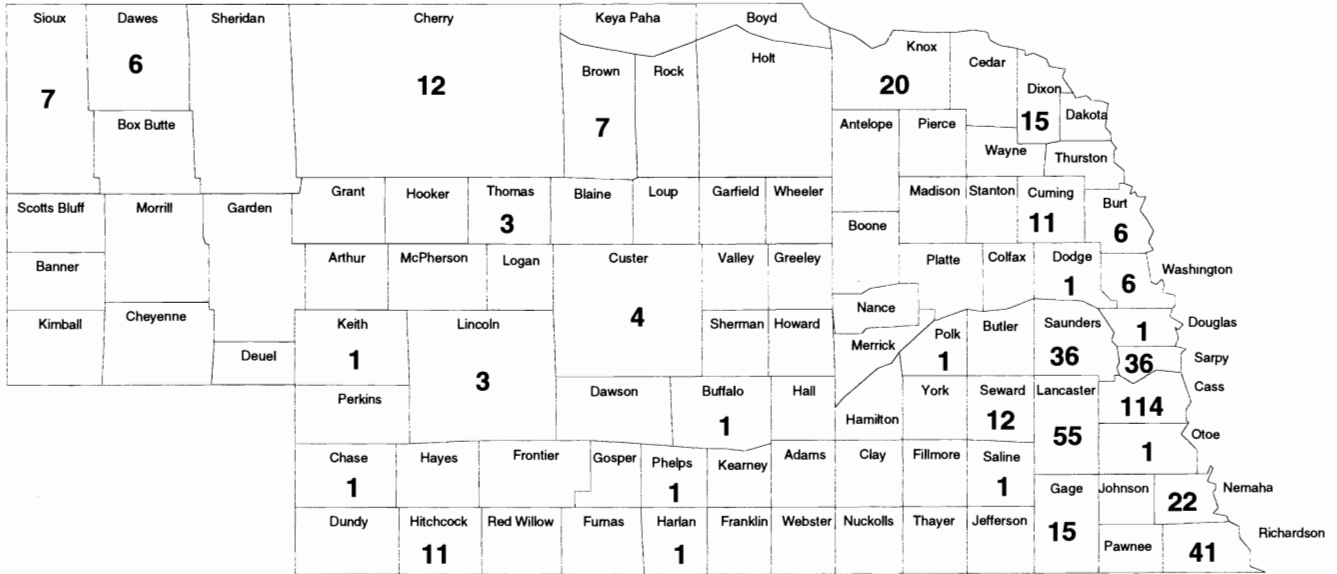


Figure 1. Number of currently accepted lichen species reported in the literature for each of the counties in Nebraska.

The nomenclature in this catalog follows the fifth North American lichen checklist and its supplements (Egan, 1987, 1989, 1990, 1991) with additional information from a recent draft of the new sixth list (Esslinger and Egan, 1995). Accepted names are in **boldface italic** type; synonyms, misidentifications, etc. are in *italics*. Abbreviations for the authorities for lichen taxa are those adopted in the sixth North American checklist (Esslinger and Egan, 1995). Literature citations (author, date: page) immediately follow the name used in that publication for a Nebraska lichen. Page numbers listed are the pages where “Nebraska” is actually mentioned or Nebraska specimens are cited. County names are listed for each taxon for which reported localities in the literature were precise enough to place the collection site in a Nebraska county. Following the catalog is an alphabetical listing of synonyms and their accepted epithets.

- Abrothallus parmeliarum*** (Sommerf.) Arnold — *Buellia parmeliarum* (Webber, 1890: 55) [A lichenicolous fungus.] Saunders
- Acarospora cervina*** Massal.— *Lecanora cervina* (Aughey, 1875: 35)
- Acarospora fuscata*** (Schrader) Arnold — *Lecanora fuscata* (Williams, 1889: 90; Webber, 1890: 57) Cass, Lancaster
- Acarospora glaucocarpa*** (Ach.) Körber — *Lecanora glaucocarpa* (Webber, 1892: 13)
- Acarospora schleicheri*** (Ach.) Massal. — *Lecanora schleicheri* (Webber, 1892: 13) — *Lecanora xanthophana* (Aughey, 1875: 35; Webber, 1890: 57) — *Lecanora xanthophana* var. *dealbata* (Williams, 1889: 89; Webber, 1890: 57) Cass, Cherry, Hitchcock, Saunders
- Agrestia hispida*** (Mereschk.) Hale & Culb. (Hale, 1969: 182; 1979: 202)
- Amandinea punctata*** (Hoffm.) Coppins & Scheid. — *Buellia*

- myriocarpa* (Aughey, 1875: 35; Williams, 1889: 136; Webber, 1890: 55) — *Buellia punctata* var. *punctata* (Imshaug, 1951: 43; Cherney, 1985: 19) Buffalo, Cass, Knox, Lancaster
- Anisomeridium biforme*** (Borrer) R. C. Harris (Cherney, 1985: 17) Cass
- Anzia colpodis*** (Ach.) Stizenb. (Hale, 1955: 244) — *Parmelia colpodis* (Williams, 1889: 30; Webber, 1890: 59; Fink, 1935: 329)
- Arthonia dispersa*** (Schrader) Nyl. (Williams, 1889: 144; Webber, 1890: 55) Cass, Lancaster
- Arthonia lapidicola*** (Taylor) Branth & Rostrup (Williams, 1889: 142; Webber, 1890: 55; Fink, 1935: 87; Wetmore, 1967: 283) Cass
- Arthonia lecideella*** Nyl. (Aughey, 1875: 35)
- Arthonia punctiformis*** Ach. (Williams, 1889: 147; Webber, 1890: 55) Cass
- Arthonia radiata*** (Pers.) Ach. (Webber, 1892: 12; Cherney, 1985: 17) — *Arthonia astroidea* (Williams, 1889: 145; Webber, 1890: 55) Cass, Cuming, Lancaster, Richardson, Saunders, Seward
- [*Arthonia ramulosa* (Aughey, 1875: 35). Synonymy uncertain.]
- Arthopyrenia punctiformis*** (Pers.) Massal. — *Pyrenula punctiformis* (Williams, 1889: 159; Webber, 1890: 54) Cass, Lancaster
- Arthrosporum populorum*** Massal. — *Bilimbia acclinis* (Fink, 1935: 224) — *Lecidea acclinis* (Williams, 1889: 133; Webber, 1890: 55) Cass, Lancaster
- Arthothelium taediosum*** (Nyl.) Müll. Arg. — *Arthonia taediosa* (Williams, 1889: 148; Webber, 1890: 55) Cass
- Aspicilia calcarea*** (L.) Mudd — *Lecanora calcarea* (Williams, 1889: 87; Webber, 1890: 56) Cass
- Bacidia bagliettoana*** (Massal. & De Not.) Jatta (Wetmore, 1967: 340) — *Bacidia muscorum* (Fink, 1935: 230) — *Biatora muscorum* (Webber, 1892: 12)
- Bacidia granosa*** (Tuck.) Zahlbr. — *Lecidea granosa* (Aughey, 1875: 35)

- Bacidia polychroa** (Th. Fr.) Körber — *Biatora fuscrobella* (Williams, 1889: 121; Webber, 1890: 55) Cass
- Bacidia rubella** (Hoffm.) Massal. — *Biatora rubella* (Williams, 1889: 120; Webber, 1890: 56) Cass
- Bacidia stigmatella** (Tuck.) Zahlbr. — *Biatora stigmatella* (Williams, 1889: 125; Webber, 1890: 56) Lancaster
- Bacidia suffusa** (Fr.) A. Schneider — *Biatora suffusa* (Williams, 1889: 122; Webber, 1890: 56) Cass
- Bacidina inundata** (Fr.) Vězda — *Bacidia inundata* (Wetmore, 1967: 341) — *Biatora inundata* (Williams, 1889: 124; Webber, 1890: 56) Cass
- Biatora turgidula** (Fr.) Nyl. (Williams, 1889: 117; Webber, 1890: 56) Cuming
- Bryoria fremontii** (Tuck.) Brodo & D. Hawksw. (Hale, 1979: 172) — *Alectoria fremontii* (Hale, 1969: 193)
- Buellia disciformis** (Fr.) Mudd — *Buellia parasema* (Aughey, 1875: 35; Williams, 1889: 135; Webber, 1890: 55) Cass, Lancaster, Saunders
- Buellia elegans** Poelt — *Buellia epigaea* (Tuckerman, 1872: 179, 185; 1888: 88; Aughey, 1875: 35; Webber, 1892: 12; Fink, 1935: 371; Imshaug, 1951: 171) [Imshaug (1951) thinks the Hayden specimen from "Bad Lands of Judith," cited by Tuckerman, might be from Montana.]
- Calicium salicinum** Pers. — *Calicium trachelinum* (Aughey, 1875: 35)
- Caloplaca atroalba** (Tuck.) Zahlbr. (Fink, 1935: 360) — *Placodium atroalbum* (Tuckerman, 1882: 173) — *Pyrenodesmia atroalba* (Rudolph, 1955: 109) Lincoln
- Caloplaca cerina** (Ehrh. ex Hedwig) Th. Fr. (Cherney, 1985: 21) — *Placodium cerinum* (Williams, 1889: 75; Webber, 1890: 57) Cass, Otoe, Sarpy
- Caloplaca cinnabarina** (Ach.) Zahlbr. — *Placodium cinnabarinum* (Aughey, 1875: 35)
- Caloplaca citrina** (Hoffm.) Th. Fr. (Reynolds, 1942: 48; Cherney, 1985: 21) — *Placodium citrinum* (Williams, 1889: 73; Webber, 1890: 57) Dixon, Richardson
- Caloplaca discolor** (Willey) Fink (Cherney, 1985: 21) Knox, Nemaha, Otoe
- Caloplaca feracissima** H. Magn. (Cherney, 1985: 22) Dixon, Knox, Richardson, Sarpy
- Caloplaca ferruginea** (Hudson) Th. Fr. (Cherney, 1985: 22) Washington
- Caloplaca flavorubescens** (Hudson) J. R. Laundon (Cherney, 1985: 22) — *Placodium aurantiacum* (Williams, 1889: 74; Webber, 1890: 57) Cass, Hitchcock, Knox, Lancaster, Nemaha
- Caloplaca flavovirescens** (Wulfen) Dalla Torre & Sarnth. (Cherney, 1985: 22) Richardson
- Caloplaca holocarpa** (Hoffm. ex Ach.) M. Wade (Cherney, 1985: 23) — *Placodium cerinum* var. *pyracea* (Williams, 1889: 76; Webber, 1890: 57) Cass, Lancaster, Sarpy, Washington
- Caloplaca lobulata** (Flörke) de Lesd. (Fink, 1935: 361; Wetmore, 1967: 419)
- Caloplaca microphyllina** (Tuck.) Hasse (Reynolds, 1942: 48; Cherney, 1985: 23) — *Gasparrinia microphyllina* (Rudolph, 1955: 163) — *Placodium microphyllum* (Webber, 1892: 13) Cass, Cuming, Dixon, Knox, Lancaster, Lincoln, Richardson
- Caloplaca pollinii** (Massal.) Jatta (Fink, 1935: 358) — *Placodium ferrugineum* var. *pollinii* (Williams, 1889: 77; Webber, 1890: 57)
- Caloplaca sideritis** (Tuck.) Zahlbr. (Cherney, 1985: 23)
- Sarpy
- Caloplaca trachyphylla** (Tuck.) Zahlbr. — *Gasparrinia trachyphylla* (Rudolph, 1955: 172) Lincoln [The type specimen (MO, now at US) was cited as "North Platte, Red Buttes, Hayden" and may have been collected in Nebraska.]
- Caloplaca ulmorum** (Fink) Fink (Cherney, 1985: 23) Knox, Otoe
- Candelaria concolor** (Dickson) Stein (Hale, 1969: 42; Cherney, 1985: 24) — *Teloschistes concolor* (Williams, 1889: 23; Webber, 1890: 59) Cass, Knox, Lancaster, Nemaha, Otoe, Sarpy, Saunders, Seward, Washington — var. *effusa* (Tuck.) Burnham — *Teloschistes concolor* var. *effusa* (Williams, 1889: 23; Webber, 1890: 59) Cass, Lancaster
- Candelaria fibrosa** (Fr.) Müll. Arg. (Hale, 1969: 93; Cherney, 1985: 25) Nemaha
- Candelariella vitellina** (Hoffm.) Müll. Arg. — *Placodium vitellinum* (Webber, 1892: 13) Lancaster
- Catapyrenium cinereum** (Pers.) Körber (Thomson, 1987: 32) — *Dermatocarpon hepaticum* (Reynolds, 1942: 47; Looman, 1964: 212) Richardson
- Catapyrenium lachneum** (Ach.) R. Sant. (Thomson, 1987: 34) — *Dermatocarpon lachneum* (Hale, 1969: 206; 1979: 234)
- Catapyrenium rufescens** (Ach.) Breuss — *Dermatocarpon rufescens* (Fink, 1935: 40) — *Endocarpon rufescens* (Williams, 1889: 153; Webber, 1890: 54) Cass, Gage
- Cetraria islandica** (L.) Ach. (Hale, 1969: 192)
- Cladonia acuminata** (Ach.) Norrlin — *Cladonia norrlinii* (Thomson, 1967: 92; 1984: 151)
- Cladonia botrytes** (K. Hagen) Willd. (Webber, 1892: 13; Fink, 1935: 268) Sioux
- Cladonia cariosa** (Ach.) Sprengel (Webber, 1892: 13; Reynolds, 1942: 47; Hale, 1969: 168) Richardson, Sioux, Thomas
- Cladonia cervicornis** (Ach.) Flotow subsp. *verticillata* (Hoffm.) Ahti — *Cladonia verticillata* (Hale, 1969: 153; 1979: 180)
- Cladonia chlorophaea** (Flörke ex Sommerf.) Sprengel (Bowler, 1972: 351; Hale, 1969: 151; 1979: 178)
- Cladonia cornuta** (L.) Hoffm. (Williams, 1889: 105; Webber, 1890: 56; Fink, 1935: 263) Lancaster
- Cladonia didyma** (Fée) Vainio (Fink, 1935: 250) — *Cladonia pulchella* (Williams, 1889: 111; Webber, 1890: 56) Cass
- Cladonia fimbriata** (L.) Fr. (Williams, 1889: 103; Webber, 1890: 56) — *Cladonia major* (Thomson, 1967: 110; 1979: 133; 1984: 142) Cass — var. *simplex* (Weiss) Vainio — *Cladonia fimbriata* var. *tubaeformis* (Williams, 1889: 103; Webber, 1890: 56) [Synonymy uncertain] Cass
- Cladonia furcata** (Hudson) Schrader (Williams, 1889: 107; Webber, 1890: 56) Cass
- Cladonia gracilis** (L.) Willd. (Hale, 1969: 154)
- Cladonia grayi** G. Merr. ex Sandst. (Thomson, 1967: 108; Bowler, 1972: 352)
- Cladonia humilis** (With.) J. R. Laundon — *Cladonia conista* (Hale, 1969: 152; 1979: 178)
- Cladonia macilenta** Hoffm. (Williams, 1889: 110; Webber, 1890: 56; Fink, 1907b: 78; Hale, 1969: 158; 1979: 185) Cass, Seward — var. *bacillaris* (Genth) Schaerer — *Cladonia bacillaris* (Hale, 1969: 160; 1979: 186)
- Cladonia multififormis** G. Merr. (Hale, 1969: 155)
- Cladonia peziziformis** (With.) J. R. Laundon (Cherney,

- 1985: 25) — *Cladonia capitata* (Thomson, 1967: 85; Hale, 1969: 168; 1979: 194) — *Cladonia mitrula* (Williams, 1889: 100; Webber, 1890: 56; Fink, 1906: 59; Reynolds, 1942: 47) Cass, Lancaster, Richardson, Sarpy, Saunders
- Cladonia polycarpia*** G. Merr. (Evans, 1952: 285; Culberson, 1969: 381). [Reports of this species from Nebraska may actually refer to *Cladonia polycarpoides* Nyl.]
- Cladonia polycarpoides*** Nyl. (Thomson, 1967: 89; Culberson, 1969: 383; Hale, 1979: 193; Cherney, 1985: 26) — *Cladonia subcariosa* (Thomson, 1967: 88; Hale, 1969: 171) Richardson
- Cladonia pyxidata*** (L.) Hoffm. (Williams, 1889: 102; Webber, 1890: 56; Fink, 1907a: 58; Thomson, 1967: 104; 1979: 138; 1984: 158; Hale, 1969: 154; 1979: 180) Cass, Gage, Lancaster, Saunders
- Cladonia rei*** Schaerer — *Cladonia nemoxynea* (Thomson, 1967: 111)
- Cladonia squamosa*** Hoffm. (Williams, 1889: 106; Webber, 1890: 56; Fink, 1907: 22) Cass
- Cladonia symphycarpa*** (Flörke) Fr. (Williams, 1889: 99; Webber, 1890: 56) Cass, Lancaster
- Collema conglomeratum*** Hoffm. (Hale, 1969: 131; 1979: 158) — var. ***crassiusculum*** (Malme) Degel. — *Collema cyrtaspis* (Aughey, 1875: 34; Williams, 1889: 60; Webber, 1890: 57) — *Collema pycnocarpum* (Aughey, 1875: 34; Williams, 1889: 59; Webber, 1890: 58) Cass, Saunders
- Collema dichotomum*** (With.) Coppins & J. R. Laundon — *Collema stenophyllum* (Aughey, 1875: 35)
- Collema fasciculare*** (L.) F. H. Wigg — *Collema aggregatum* (Williams, 1889: 63; Webber, 1890: 57) — *Synechoblastus aggregatus* (Fink, 1935: 156) — *Synechoblastus fascicularis* (Fink, 1935: 155) Cass
- Collema flaccidum*** (Ach.) Ach. (Williams, 1889: 65; Webber, 1890: 57) Cass, Lancaster, Saunders
- Collema fragrans*** (Sm.) Ach. — *Collema microphyllum* (Aughey, 1875: 35)
- Collema fuscovirens*** (With.) J. R. Laundon — *Collema tuniforme* (Hale, 1979: 151)
- Collema leptaleum*** Tuck. (Williams, 1889: 64; Webber, 1890: 57) — *Synechoblastus leptaleus* (Fink, 1935: 156) Cass
- Collema limosum*** (Ach.) Ach. (Cherney, 1985: 26) Dixon
- Collema nigrescens*** (Hudson) DC. (Aughey, 1875: 35; Williams, 1889: 66; Webber, 1890: 58) Cass
- Collema polycarpon*** Hoffm. (Hale, 1969: 131)
- Collema tenax*** (Sw.) Ach. (Looman, 1964: 212; Hale, 1969: 132; 1979: 152) — *Collema pulposum* (Webber, 1892: 13)
- Collema texanum*** Tuck. — *Collema laciniatum* (Aughey, 1875: 34; Williams, 1889: 62; Webber, 1890: 57) — *Synechoblastus laciniatus* (Fink, 1935: 154) Cass, Lancaster
- Cyphelium tigillare*** (Ach.) Ach. — *Acolium tigillare* (Aughey, 1875: 35; Webber, 1892: 12)
- Dactylospora pertusariicola*** (Willey ex Tuck.) Hafellner — *Buellia pertusariicola* (Webber, 1890: 55) — *Leciographa pertusariicola* (Fink, 1935: 374) [A lichenicolous fungus.] Cass, Saunders
- Dermatocarpon luridum*** (With.) J. R. Laundon — *Dermatocarpon fluviatile* (Hale, 1969: 99)
- Dermatocarpon miniatum*** (L.) W. Mann (Hale, 1969: 139; 1979: 163) — *Endocarpon miniatum* (Aughey, 1875: 35; Williams, 1889: 151; Webber, 1890: 54) Cherry
- Dermatocarpon moulinsii*** (Mont.) Zahlbr. (Hale, 1969: 137; 1979: 164)
- Dimelaena oreina*** (Ach.) Norman (Hale, 1979: 32; Cherney, 1985: 27) — *Rinodina oreina* (Williams, 1889: 91; Webber, 1890: 56; Hale, 1969: 89) Cass, Gage, Knox, Lancaster, Saunders
- Dimerella lutea*** (Dickson) Trevisan — *Gyalecta lutea* (Webber, 1890: 56) — *Microphiale lutea* (Fink, 1935: 13) Saunders
- Diploschistes actinostomus*** (Ach.) Zahlbr. — *Urceolaria actinostoma* (Aughey, 1875: 35)
- Diploschistes scruposus*** (Schreber) Norman (Cherney, 1985: 27) — *Urceolaria scruposa* (Tuckerman, 1872: 135; 1882: 222; Aughey, 1875: 35; Webber, 1892: 13) Sarpy
- Diplotomma alboatrum*** (Hoffm.) Flotow — *Buellia alboatra* var. *saxicola* (Williams, 1889: 134; Webber, 1890: 55) Cherry
- Endocarpon pusillum*** Hedwig (Aughey, 1875: 35; Williams, 1889: 154; Webber, 1890: 54; Looman, 1964: 212) Cass
- Ephebe lanata*** (L.) Vainio (Hale, 1969: 195; 1979: 170)
- Euopsis pulvinata*** (Schaerer) Nyl. — *Omphalaria pulvinata* (Williams, 1889: 57; Webber, 1890: 58) Cass, Saunders
- Evernia mesomorpha*** Nyl. (Hale, 1969: 176)
- Evernia prunastri*** (L.) Ach. (Tuckerman, 1882: 40) [Cited as "Black Hills, Nebraska." Occurrence in Nebraska is questionable.]
- Flavoparmelia caperata*** (L.) Hale — *Parmelia caperata* (Williams, 1889: 32; Webber, 1890: 59; Hale, 1969: 42) — *Pseudoparmelia caperata* (Hale, 1979: 34) Cass, Cherry
- Flavopunctelia flaventior*** (Stirton) Hale — *Parmelia flaventior* (Hale, 1969: 41; 1979: 34)
- Flavopunctelia soredica*** (Nyl.) Hale — *Parmelia manshurica* (Henzlik, 1965: 92) — *Parmelia ulophyllodes* (Hale, 1969: 41; 1979: 35)
- Fulgensia bracteata*** (Hoffm.) Räsänen (Wetmore, 1967: 413) — *Caloplaca bracteata* (Fink, 1935: 361) — *Placodium bracteatum* (Tuckerman, 1882: 171) — *Placodium fulgens* var. *bracteatum* (Williams, 1889: 71; Webber, 1890: 57) Cherry
- Fulgensia fulgens*** (Sw.) Elenkin (Rudolph, 1955: 76) — *Caloplaca fulgens* (Fink, 1935: 360) — *Placodium fulgens* (Tuckerman, 1872: 107, 112; 1882: 171, 179; Aughey, 1875: 35; Williams, 1889: 70; Webber, 1890: 57). [Early reports by Tuckerman cite "Bad Lands of Judith, Nebraska; on the North Platte," and it is doubtful that collections were from Nebraska.] Keith
- Fuscopannaria leucophaea*** (Vahl) P. M. Jørg. — *Pannaria microphylla* (Aughey, 1875: 34)
- Fuscopannaria leucosticta*** (Tuck.) P. M. Jørg. — *Pannaria leucosticta* (Aughey, 1875: 34; Hale, 1969: 205)
- Graphis scripta*** (L.) Ach. (Williams, 1889: 139; Webber, 1890: 55; Reynolds, 1942: 47; Cherney, 1985: 28) — var. *limitata* (Williams, 1889: 140; Webber, 1890: 55; Fink, 1935: 109). [Synonymy uncertain.] Burt, Cass, Gage, Lancaster, Richardson, Sarpy
- Heppia lutosa*** (Ach.) Nyl. (Looman, 1964: 212; Wetmore, 1970: 177; Hale, 1969: 207; 1979: 235) — *Heppia despreauxii* (Aughey, 1875: 34; Williams, 1889: 51; Webber, 1890: 58) Cass, Cherry, Custer, Dodge, Harlan, Lancaster, Polk, Sarpy
- Heterodermia speciosa*** (Wulfen) Trevisan — *Anaptychia speciosa* (Reynolds, 1942: 48) — *Physcia speciosa* (Williams, 1889: 33; Webber, 1890: 58) Cass, Richardson

- Hyperphyscia adglutinata** (Flörke) H. Mayrh. & Poelt (Cherney, 1985: 29) — *Physcia adglutinata* (Williams, 1889: 39; Webber, 1890: 58; Reynolds, 1942: 48) Cass, Cuming, Knox, Lancaster, Nemaha, Richardson, Sarpy
- Hyperphyscia syncolla** (Tuck. ex Nyl.) Kalb (Cherney, 1985: 29) — *Physciopsis syncolla* (Hale, 1979: 115) — *Physcia syncolla* (Hale, 1969: 115) Knox, Otoe, Sarpy
- Hypocenomys scalaris** (Ach.) Choisy — *Lecidea scalaris* (Hale, 1969: 206)
- Hypogymnia physodes** (L.) Nyl. (Hale, 1969: 53; 1979: 73)
- Hypotrachyna revoluta** (Flörke) Hale (Hale, 1979: 83)
- Hypotrachyna sublaevigata* (Nyl.) Hale — *Parmelia sublaevigata* (Fink, 1935: 328) — *Parmelia tiliacea* var. *sublaevigata* (Webber, 1892: 13) [Not known in North America north of Mexico.] Cass, Nemaha
- Imshaugia aleurites** (Ach.) S. F. Meyer — *Parmeliopsis aleurites* (Hale, 1969: 77; 1979: 110)
- Imshaugia placorodia** (Ach.) S. F. Meyer — *Parmeliopsis placorodia* (Hale, 1969: 107)
- Julella sericea** (Massal.) Coppins — *Pyrenula fallaciosa* (Williams, 1889: 162; Webber, 1890: 54) Cass
- Lasallia papulosa** (Ach.) Llano (Hale, 1979: 163) — *Umbilicaria papulosa* (Hale, 1969: 138)
- Lasallia pustulata** (L.) Mérat — *Umbilicaria pustulata* (Williams, 1889: 44; Webber, 1890: 58). [It is likely that these early reports refer to *Lasallia papulosa* above.] Cass, Cherry
- Lecania brunonis** (Tuck.) Herre (Fink, 1935: 312) — *Lecanora brunonis* (Webber, 1892: 13) Saunders
- Lecania fuscella** (Schaerer) Körber — *Lecania syringea* (Fink, 1935: 311)
- Lecanora allophana** Nyl. — *Lecanora subfusca* (Williams, 1889: 82; Webber, 1890: 57) Lancaster
- Lecanora argentata** (Ach.) Malme — *Lecanora subfusca* var. *argentata* (Williams, 1889: 82; Webber, 1890: 57) Cass, Saunders
- [*Lecanora berica* (Aughey, 1875: 35). Synonymy uncertain.]
- Lecanora expallens** Ach. — *Lecanora conizaea* (Cherney, 1985: 30) Otoe
- Lecanora garovaglii** (Körber) Zahlbr. (Tuckerman, 1882: 185; Wetmore, 1967: 384) — *Lecanora muralis* var. *garovaglii* (Webber, 1890: 57; Fink, 1935: 307) — *Lecanora rubina* var. *garovaglii* (Williams, 1889: 81) [Tuckerman's report, "North Platte, Hayden," may be based on a specimen from outside Nebraska.] Hitchcock
- Lecanora hagenii** (Ach.) Ach. (Williams, 1889: 84; Webber, 1890: 57) Nemaha
- Lecanora hybocarpa** (Tuck.) Brodo (Cherney, 1985: 30) Otoe
- Lecanora muralis** (Schreber) Rabenh. (Aughey, 1875: 35; Webber, 1890: 57; Pound and Clements, 1900: 121; Hale, 1969: 89; Cherney, 1985: 30) — var. *saxicola* (Webber, 1890: 57) — var. *versicolor* (Pers.) Tuck. (Webber, 1890: 57) — *Lecanora rubina* var. *versicolor* (Williams, 1889: 81) — *Lecanora versicolor* (Fink, 1935: 307) Cass, Hitchcock, Lancaster, Sarpy
- Lecanora oreinoides** (Körber) Hertel & Rambold — *Lecidea tessellina* (Fink, 1935: 201)
- Lecanora populicola** (DC.) Duby — *Lecanora subfusca* var. *distans* (Williams, 1889: 83; Webber, 1890: 57) Cass
- Lecanora pulicaris** (Pers.) Ach. — *Lecanora subfusca* var. *coilocarpa* (Williams, 1889: 83; Webber, 1890: 57) Cass, Lancaster
- Lecanora saligna** (Schrader) Zahlbr. (Wetmore, 1967: 383) — *Lecanora effusa* (Fink, 1935: 303)
- Lecanora symmicta** (Ach.) Ach. — *Lecanora varia* var. *saepincola* (Webber, 1892: 13) Saunders
- Lecidea lapicida** (Ach.) Ach. — *Lecidea polycarpa* (Williams, 1889: 129; Webber, 1890: 55; Fink, 1935: 203). [Synonymy uncertain.]
- Lecidea tessellata** Flörke (Webber, 1892: 12)
- Lecidella euphorea** (Flörke) Hertel — *Lecidea enteroleuca* (Tuckerman, 1872: 179; 1888: 79; Williams, 1889: 131; Webber, 1890: 55) — *Lecidea enteroleuca* var. *achrista* (Williams, 1889: 131; Webber, 1890: 55) [Although *Lecidea enteroleuca* is a name that has been used for various *Lecidella* spp., it is likely that Nebraska reports refer to *Lecidella euphorea*.] Brown, Cass, Cherry, Gage, Hitchcock, Lancaster, Saunders
- Lepraria lobificans** Nyl. — *Lepraria finkii* (Cherney, 1985: 31) Richardson, Sarpy
- Leprocaulon albicans** (Th. Fr.) Nyl. ex Hue (Hale, 1979: 222) — *Stereocaulon albicans* (Hale, 1969: 200)
- Leptogium byssinum** (Hoffm.) Zwackh ex Nyl. — *Pannaria byssina* (Aughey, 1875: 34)
- Leptogium dactylinum** Tuck. (Aughey, 1875: 35; Williams, 1889: 68; Webber, 1890: 57; Fink, 1935: 163; Sierk, 1964: 256, 300) Cass, Richardson, Saunders
- Leptogium lichenoides** (L.) Zahlbr. (Hale, 1969: 133; 1979: 149) — *Leptogium lacerum* (Aughey, 1875: 35)
- Leptogium saturninum** (Dickson) Nyl. — *Leptogium myochroum* (Aughey, 1875: 35)
- Leptogium subtile** (Schrader) Torss. (Aughey, 1875: 35) — *Leptogium minutissimum* (Sierk, 1964: 252, 275) Sarpy
- Leptogium tenuissimum** (Dickson) Körber (Sierk, 1964: 256, 277) Dawes
- Letharia vulpina** (L.) Hue (Hale, 1969: 175; 1979: 198) — *Evernia vulpina* (Tuckerman, 1872: 12; 1888: 39; Aughey, 1875: 34; Fink, 1935: 339) [Tuckerman's reports refer to "Black Hills, Nebraska," a collection site which may not have been in Nebraska.]
- Lithothelium hyalosporum** (Nyl.) Aptroot — *Arthopyrenia hyalospora* (Reynolds, 1942: 47) Richardson
- Lobaria quercizans** Michaux — *Sticta quercizans* (Aughey, 1875: 34). [Occurrence of this eastern North American taxon in Nebraska is questionable.]
- Lobothallia melanaspis** (Ach.) Hafellner — *Lecanora melanaspis* (Aughey, 1875: 35; Williams, 1889: 86; Webber, 1890: 57)
- Megalaria grossa** (Pers. ex Nyl.) Hafellner — *Catillaria grossa* (Fink, 1935: 220) — *Heterothecium grossum* (Webber, 1890: 55) Saunders
- Melanelia disjuncta** (Erichsen) Essl. — *Parmelia disjuncta* (Hale, 1979: 126)
- Melanelia elegantula** (Zahlbr.) Essl. — *Parmelia elegantula* (Esslinger, 1977: 177; Hale, 1969: 74; 1979: 129)
- Melanelia exasperatula** (Nyl.) Essl. — *Parmelia exasperatula* (Hale, 1969: 75; 1979: 129)
- Melanelia olivacea** (L.) Essl. — *Parmelia olivacea* (Williams, 1889: 31; 1890: 780; Webber, 1890: 59) Brown, Cass, Cuming, Saunders
- Melanelia sorediata** (Ach.) Goward & Ahti — *Parmelia sorediosa* (Hale, 1979: 125)
- Melanelia subargentifera** (Nyl.) Essl. — *Parmelia subargentifera* (Esslinger, 1977: 174; Hale, 1979: 121)
- Melanelia subolivacea** (Nyl.) Essl. — *Parmelia subolivacea*

- (Esslinger, 1977: 177; Hale, 1969: 101; 1979: 136)
Melanelia tominii (Oksner) Essl. — *Parmelia substygia* (Hale, 1979: 126)
Melaspilea arthonioides (Fée) Nyl. (Fink, 1935: 105)
Mycobilimbia sabuletorum (Schreber) Hafellner — *Biatora hypnophila* (Williams, 1889: 119; Webber, 1890: 56) Cass, Saunders
Mycocalicium albonigrum (Nyl.) Fink — *Calicium parietinum* var. *albonigrum* (Aughey, 1875: 35)
Mycoporum compositum (Massal.) R. C. Harris — *Mycoporum pycnocarpum* (Williams, 1889: 149; Webber, 1890: 55; Fink, 1935: 67) Cass
Myelochroa aurulenta (Tuck.) Elix & Hale — *Parmelina aurulenta* (Cherney, 1985: 33) Richardson
Myelochroa galbina (Ach.) Elix & Hale — *Parmelia tiliacea* var. *sulphurosa* (Williams, 1889: 28; Webber, 1890: 59) Cass
Myelochroa tiliacea (Hoffm.) Elix & Hale — *Parmelia tiliacea* (Williams, 1889: 27; Webber, 1890: 59) [A European taxon not known from North America.] Cass, Lancaster, Seward
Neofuscelia loxodes (Nyl.) Essl. (Hale, 1979: 128)
Nephroma helveticum Ach. (Hale, 1969: 98; 1979: 134)
Nephroma parile (Ach.) Ach. (Hale, 1969: 47; 1979: 120)
Ochrolechia tartarea (L.) Massal. (Reynolds, 1942: 48) Richardson
Opegrapha varia Pers. (Aughey, 1875: 35; Williams, 1889: 137; Webber, 1890: 55) — var. *pulicaris* (Webber, 1892: 12) Cass, Lancaster
Opegrapha vulgata Ach. (Aughey, 1875: 35)
Pannaria conoplea (Ach.) Bory — *Pannaria lanuginosa* (Williams, 1889: 55; Webber, 1890: 58) Cass, Saunders
Pannaria tavaresii P. M. Jørg. — *Pannaria tavaresii* (Hale, 1979: 127)
Parmelia molliuscula Ach. (Webber, 1892: 13; Fink, 1935: 332) [Misidentifications for North America.] Dawes, Sioux
Parmelia saxatilis (L.) Ach. (Hale, 1969: 80; 1979: 89)
Parmelia sulcata Taylor (Hale, 1979: 78)
Parmelina quercina (Willd.) Hale — *Parmelia quercina* (Reynolds, 1942: 48) Richardson
Parmeliopsis ambigua (Wulfen) Nyl. (Hale, 1969: 44; 1979: 36)
Parmeliopsis hyperopta (Ach.) Arnold (Hale, 1979: 107)
Parmotrema crinitum (Ach.) Choisy — *Parmelia crinita* (Williams, 1889: 26; Webber, 1890: 59) Lancaster
Parmotrema eurysacum (Hue) Hale — *Parmotrema eurysacum* (Hale, 1979: 71)
Parmotrema hypotropum (Nyl.) Hale — *Parmelia perforata* var. *hypotropa* (Williams, 1889: 26; Webber, 1890: 59) Seward
Parmotrema michauxianum (Zahlbr.) Hale (Hale, 1979: 70) — *Parmelia michauxiana* (Hale, 1969: 114)
Parmotrema perforatum (Jacq.) Massal. — *Parmelia perforata* (Williams, 1889: 25; Webber, 1890: 59) Cass, Gage, Lancaster, Seward, Saunders
Peltigera aphthosa (L.) Willd. (Hale, 1969: 32; 1979: 49)
Peltigera canina (L.) Willd. (Williams, 1889: 49; Webber, 1890: 58; Reynolds, 1942: 47; Pound and Clements, 1900: 119; Hale, 1969: 34; 1979: 51) Brown, Cass, Dawes, Saunders
Peltigera collina (Ach.) Schrader (Hale, 1969: 33; 1979: 50)
Peltigera didactyla (With.) J. R. Laundon — *Peltigera canina* var. *spuria* (Williams, 1889: 49; Webber, 1890: 58) — *Peltigera canina* var. *spuria* f. *sorediata* (Thomson, 1950: 61) — *Peltigera spuria* (Hale, 1969: 32; 1979: 49) Cass, Douglas, Lancaster, Sarpy
Peltigera evansiana Gyelnik (Thomson, 1950: 21) Cass
Peltigera horizontalis (Hudson) Baumg. (Webber, 1892: 13; Hale, 1969: 36; 1979: 52)
Peltigera polydactylon (Necker) Hoffm. — *Peltigera "polydactyla"* (Williams, 1889: 48; Webber, 1890: 58; Hale, 1969: 35; 1979: 52) Cass, Dawes, Lancaster
Peltigera rufescens (Weiss) Humb. (Reynolds, 1942: 47; Cherney, 1985: 34) — *Peltigera canina* var. *rufescens* (Thomson, 1950: 52) Cass, Richardson
Peltula patellata (Bagl.) Swinscow & Krog — *Peltula polyspora* (Wetmore, 1970: 202, 204) — *Heppia polyspora* (Williams, 1889: 53; Webber, 1890: 58; Fink, 1935: 169) Cass, Cherry
Pertusaria multipuncta (Turner) Nyl. (Williams, 1889: 96; Webber, 1890: 56) [Misidentifications for North America.] Cass
Pertusaria pertusa (Weigel) Tuck. — *Pertusaria communis* (Williams, 1889: 97; Webber, 1890: 56) [Misidentifications for North America.] Cass
Pertusaria pustulata (Ach.) Duby (Williams, 1889: 98; Webber, 1890: 56) — *Pertusaria justulata* (Aughey, 1875: 35) [A probable misspelling.] Cass, Gage, Lancaster, Saunders
Pertusaria velata (Turner) Nyl. (Aughey, 1875: 35; Williams, 1889: 94; Webber, 1890: 56; Reynolds, 1942: 48) Cass, Lancaster, Richardson
Phaeographis dendritica (Ach.) Müll. Arg. (Fink, 1935, p.112) — *Graphis dendritica* (Williams, 1889: 141; Webber, 1890: 55) Cass
Phaeophyscia cernohorskyi (Nádv.) Essl. (Esslinger, 1978: 296; Hale, 1979: 122; Cherney, 1985: 36) Dixon, Knox, Otoe, Sarpy
Phaeophyscia ciliata (Hoffm.) Moberg (Hale, 1979: 140; Cherney, 1985: 37) — *Physcia ciliata* f. *ciliata* (Thomson, 1963: 112; Hale, 1969: 115) — *Physcia obscura* (Williams, 1889: 38; Webber, 1890: 58; Reynolds, 1942: 48) Burt, Knox, Lancaster, Otoe, Richardson, Sarpy, Washington
Phaeophyscia constipata (Norrlin & Nyl.) Moberg (Hale, 1979: 147) — *Physcia constipata* (Hale, 1969: 118)
Phaeophyscia endococcina (Körber) Moberg — *Physcia endococcina* (Hale, 1969: 117)
Phaeophyscia hirsuta (Mereschk.) Essl. (Cherney, 1985: 37) Dixon, Knox, Otoe, Sarpy
Phaeophyscia hirtella Essl. (Cherney, 1985: 37) Burt, Cass, Dixon, Knox, Nemaha
Phaeophyscia hispidula (Ach.) Essl. — *Physcia setosa* (Reynolds, 1942: 48; Hale, 1969: 59) Richardson
Phaeophyscia insignis (Mereschk.) Moberg (Cherney, 1985: 38) Sarpy, Washington
Phaeophyscia orbicularis (Necker) Moberg — *Physcia orbicularis* f. *orbicularis* (Thomson, 1963: 123; Hale, 1969: 61) Custer
Phaeophyscia pusilloides (Zahlbr.) Essl. (Hale, 1979: 124; Cherney, 1985: 38) Nemaha
Phaeophyscia rubropulchra (Degel.) Essl. — *Physcia endochrysea* (Reynolds, 1942: 48) Richardson
Phaeophyscia sciastra (Ach.) Moberg — *Physcia sciastra* (Hale, 1969: 56)
Physcia adscendens (Fr.) H. Olivier (Hale, 1969: 50; 1979: 103)

- Physcia aipolia*** (Ehrh. ex Humb.) Fűrnr. (Thomson, 1963: 49; Hale, 1969: 108; 1979: 114; Cherney, 1985: 39) Burt, Cass, Dixon, Knox, Lancaster, Nemaha, Otoe, Sarpy
- Physcia americana*** G. Merr. (Cherney, 1985: 39) Richardson
- Physcia caesia*** (Hoffm.) Fűrnr. (Hale, 1969: 48; 1979: 107)
- Physcia callosa*** Nyl. (Hale, 1969: 52)
- Physcia clementei*** (Sm.) Lynge — *Physcia astroidea* (Reynolds, 1942: 48) Richardson
- Physcia millegrana*** Degel. (Hale, 1969: 47; Cherney, 1985: 39) Otoe
- Physcia phaea*** (Tuck.) J. W. Thomson (Hale, 1969: 118)
- Physcia stellaris*** (L.) Nyl. (Williams, 1889: 36; Webber, 1890: 58; Reynolds, 1942: 48; Thomson, 1963: 67; Pound and Clements, 1900: 119; Hale, 1969: 108; 1979: 116; Cherney, 1985: 40) Brown, Cass, Cuming, Dawes, Gage, Knox, Lancaster, Nemaha, Otoe, Sarpy, Saunders, Seward, Sioux, Richardson, Thomas
- Physcia subtilis*** Degel. (Hale, 1969: 48; Cherney, 1985: 40) Sarpy
- Physcia tenella*** (Scop.) DC. — *Physcia hispida* (Webber, 1892: 13)
- Physcia tribacia*** (Ach.) Nyl. (Williams, 1889: 37; Webber, 1890: 58; Reynolds, 1942: 48) Cass, Cuming, Richardson
- Physciella chloantha*** (Ach.) Essl. (Cherney, 1985: 41; Esslinger, 1986: 94) — *Physcia chloantha* (Hale, 1979: 122) — *Physcia luganensis* (Esslinger, 1973: 422; 1978: 318) Cass, Knox, Otoe, Sarpy, Washington
- Physciella melanchra*** (Hue) Essl. (Cherney, 1985: 41; Esslinger, 1986: 96) Chase, Sarpy
- Physconia detersa*** (Nyl.) Poelt (Hale, 1979: 119; Cherney, 1985: 42) Cass, Dixon, Nemaha, Otoe, Richardson, Sarpy
- Physconia distorta*** (With.) J. R. Laundon — *Physcia pulverulenta* (Tuckerman, 1862: 389; Williams, 1889: 34; Webber, 1890: 58; Reynolds, 1942: 48; Hale, 1969: 107) — *Physconia pulverulenta* (Hale, 1979: 138) [Misidentifications for North America.] Cass, Cuming, Lancaster, Nemaha, Richardson
- Physconia grisea*** (Lam.) Poelt — *Physcia grisea* f. *farrea* (Thomson, 1963: 156) — *Physcia grisea* f. *grisea* (Thomson, 1963: 150; Hale, 1969: 56) [Misidentifications for North America.] Cass
- Physconia enteroxantha*** (Nyl.) Poelt (Hale, 1979: 119)
- Physconia kurokawai*** Kashiw. (Cherney, 1985: 42) Dixon, Nemaha, Otoe, Richardson
- Physconia leucoleiptes*** (Tuck.) Essl. *Physcia pulverulenta* var. *leucoleiptes* (Williams, 1889: 35; Webber, 1890: 58) Cass, Lancaster
- Physconia muscigena*** (Ach.) Poelt (Hale, 1979: 144) — *Physcia muscigena* (Hale, 1969: 116)
- Placynthium nigrum*** (Hudson) Gray (Hale, 1979: 150) — *Pannaria nigra* (Aughey, 1875: 34; Williams, 1889: 56; Webber, 1890: 58) Cass, Hitchcock
- Platismatia glauca*** (L.) Culb. & C. Culb. (Hale, 1979: 63)
- Platismatia lacunosa*** (Ach.) Culb. & C. Culb. — *Cetraria lacunosa* (Aughey, 1875: 34)
- Pleopsidium chlorophanum*** (Wahlenb.) Zopf — *Lecanora chlorophana* (Williams, 1889: 88; Webber, 1890: 57)
- Porpidia macrocarpa*** (DC.) Hertel & A. J. Schwab — *Lecidea contigua* (Williams, 1889: 130; Webber, 1890: 55; Fink, 1935: 208) Cherry, Hitchcock
- Pseudocyphellaria aurata*** (Ach.) Vainio — *Sticta aurata* (Williams, 1889: 45; Webber, 1890: 58) Phelps
- Psora decipiens*** (Hedwig) Hoffm. (Hale, 1979: 234; Timdal, 1986, pp. 258, 261) — *Biatora decipiens* (Tuckerman, 1872: 156; 1888: 13; Aughey, 1875: 35; Williams, 1889: 114; Webber, 1890: 55) — *Biatora decipiens* f. *dealbata* (Williams, 1889: 114) — *Lecidea decipiens* (Looman, 1964: 212) [Tuckerman's report cites the locality as "Bad Lands of Judith, Nebraska," a site which may not be in the state.] Cass, Hitchcock
- Psora icterica*** (Mont.) Müll. Arg. (Timdal, 1986, pp. 263, 265) — *Biatora icterica* (Aughey, 1875: 35; Williams, 1889: 115; Webber, 1890: 56) Cass, Cherry, Gage, Hitchcock, Lancaster
- Psora pseudorussellii*** Timdal (Timdal, 1986: 270)
- Psora rubiformis*** (Ach.) Hook. — *Lecidea rubiformis* (Hale, 1969: 206)
- Psora russellii*** (Tuck.) A. Schneider (Reynolds, 1942: 47; Hale, 1979: 235) — *Biatora russellii* (Aughey, 1875: 35; Williams, 1889: 112; Webber, 1890: 56) — *Biatora russellii* f. *dealbata* (Williams, 1889: 113) [Nebraska reports probably refer to *Psora pseudorussellii* or *Psora tuckermanii*. See Timdal, 1986.] Cass, Cherry, Hitchcock, Richardson
- Psora tuckermanii*** R. Anderson ex Timdal (Timdal, 1986: 270, 274)
- Psorotichia schaeereri*** (Massal.) Arnold — *Synalissa schaeereri* (Aughey, 1875: 34)
- Punctelia bolliana*** (Müll. Arg.) Krog (Cherney, 1985: 43) — *Parmelia bolliana* (Reynolds, 1942: 48; Hale, 1969: 123; 1979: 58; Culberson, 1956: 684) Cass, Cuming, Dixon, Knox, Nemaha, Otoe, Richardson, Sarpy
- Punctelia rudecta*** (Ach.) Krog (Cherney, 1985: 43) — *Parmelia borrieri* var. *rudecta* (Williams, 1889: 29; Webber, 1890: 59) — *Parmelia rudecta* (Reynolds, 1942: 48; Hale, 1979: 58) Brown, Cass, Nemaha, Richardson, Sarpy, Seward
- Punctelia semansiana*** (Culb. & C. Culb.) Krog (Cherney, 1985: 44) Cass, Dixon, Nemaha
- Punctelia subrudecta*** (Nyl.) Krog (Hale, 1979: 56) — *Parmelia borrieri* (Williams, 1889: 28; Webber, 1890: 58; Reynolds, 1942: 48) = *Punctelia borrieri* (Sm.) Krog [These early reports of *Parmelia borrieri* for Nebraska are probably *Punctelia subrudecta*.] Brown, Lancaster, Nemaha, Richardson, Saline, Saunders, Seward
- Pyrenula nitida*** (Weigl) Ach. (Aughey, 1875: 35; Williams, 1889: 161; Webber, 1890: 54) [Misidentifications for North America.] Cass
- Pyrrhospora elabens*** (Fr.) Hafellner — *Lecidea melancheima* (Reynolds, 1942: 47) Richardson
- Pyrrhospora russula*** (Ach.) Hafellner — *Biatora russula* f. *dealbata* (Webber, 1892: 13) Cherry, Sioux
- Pyrrhospora varians*** (Ach.) R. C. Harris — *Biatora exigua* (Aughey, 1875: 35) [Synonymy questionable.] — *Biatora varians* (Williams, 1889: 118; Webber, 1890: 56) Cass
- Pyxine sorediata*** (Ach.) Mont. (Williams, 1889: 40; Webber, 1890: 58) — *Pyxine cocoes* var. *sorediata* (Aughey, 1875: 34) Cass, Lancaster, Saunders
- Ramalina calicaris*** (L.) Fr. (Williams, 1889: 15; Webber, 1890: 59) Cass, Gage, Lancaster, Saunders
- Ramalina farinacea*** (L.) Ach. (Howe, 1914: 1)
- Ramalina fastigiata*** (Pers.) Ach. (Howe, 1914: 5)
- Ramalina fraxinea*** (L.) Ach. — *Ramalina calicaris* var. *fraxinea* (Williams, 1889: 16; Webber, 1890: 59) Cass, Gage, Lancaster, Saunders

- Ramalina intermedia* (Delise ex Nyl.) Nyl. (Hale, 1979: 206)
- Ramalina pollinaria* (Westr.) Ach. (Hale, 1969: 182)
- Ramalina subampliata* (Nyl.) Fink — *Ramalina fastigiata* var. "subampliata" (Howe, 1914a: 17) [Misidentifications for North America.]
- Rhizocarpon geographicum* (L.) DC. — *Buellia geographica* (Aughey, 1875: 35)
- Rhizoplaca chrysoleuca* (Sm.) Zopf (Hale, 1979: 159) — *Lecanora chrysoleuca* (Hale, 1969: 135) — *Lecanora rubina* (Williams, 1889: 80; 1890: 780; Webber, 1890: 57) — *Lecanora rubina* var. *saxicola* (Williams, 1889: 81) Cass
- Rhizoplaca haydenii* (Tuck.) W. A. Weber (Weber, 1979: 560) — *Lecanora haydenii* (Tuckerman, 1872: 113; 1882: 184; Aughey, 1875: 35; Fink, 1935: 308) [Tuckerman's record is from the "Laramie Plains, Nebraska" and was probably collected in Wyoming.] — *Lecidea haydenii* (Poelt, 1958: 518)
- Rhizoplaca melanophthalma* (DC.) Leuckert & Poelt — *Lecanora rubina* var. *opaca* (Webber, 1890: 57; Williams, 1890: 780) Custer
- Rimelia reticulata* (Taylor) Hale & Fletcher — *Parmotrema reticulatum* (Cherney, 1985: 34) Otoe, Cass, Sarpy
- Rimeliella subsumpta* (Nyl.) Kurok. — *Parmelia subsumpta* (Hale, 1965: 317; Culberson, C. F., 1969: 462)
- Rinodina ascociscana* Tuck. (Aughey, 1875: 35)
- Rinodina bischoffii* (Hepp) Massal. (Aughey, 1875: 35)
- Rinodina confragosa* (Ach.) Körber (Cherney, 1985: 44) Sarpy
- Rinodina exigua* (Ach.) Gray — *Rinodina sophodes* var. *exigua* (Williams, 1889: 93; Webber, 1890: 56) Cass, Lancaster
- Rinodina sophodes* (Ach.) Massal. (Williams, 1889: 93; Webber, 1890: 56) [Misidentifications for North America.] Cass, Gage, Lancaster, Saunders
- Sarcogyne athrocarpa* H. Magn. — *Lecanora athrocarpa* (Tuckerman, 1872: 116; 1882: 194; Aughey, 1875: 35) [Tuckerman's report from "Deer Creek on the North Platte" is probably from a locality in Wyoming. Synonymy questionable.]
- Sarcogyne privigna* (Ach.) Massal. — *Lecanora privigna* (Webber, 1892: 13)
- Sarcosagium campestre* (Fr.) Poetsch & Schiedem. — *Biotora campestris* (Aughey, 1875: 35)
- Scoliosporum umbrinum* (Ach.) Arnold — *Biotora umbrina* (Williams, 1889: 126; Webber, 1890: 56) Cass, Saunders
- Solorina saccata* (L.) Ach. (Aughey, 1875: 34)
- Squamarina cartilaginea* (With.) P. James — *Lecanora crassa* (Tuckerman, 1872: 112) [Tuckerman's cited locality, "Bad Lands of Judith, Nebraska," may not be in Nebraska.]
- Squamarina lentigera* (Weber) Poelt (Hale, 1969: 204; 1979: 230) — *Lecanora lentigera* (Tuckerman, 1872: 112; 1882: 182; Fink, 1935: 307) [Tuckerman's cited locality, "Bad Lands of Judith, Nebraska," is probably not in Nebraska.]
- Staurothele areolata* (Ach.) Lettau (Thomson, 1991: 360)
- Staurothele diffractella* (Nyl.) Tuck. (Thomson, 1991: 355, 362) Cass
- Staurothele drummondii* (Tuck.) Tuck. (Thomson, 1991: 356, 363) Richardson
- Staurothele fissa* (Taylor) Zwackh — *Staurothele umbrina* (Williams, 1889: 155; Webber, 1890: 54) Cass, Lancaster
- Sticta fuliginosa* (Hoffm.) Ach. (Aughey, 1875: 34)
- Teloschistes chrysophthalmus* (L.) Th. Fr. (Williams, 1889: 19; Webber, 1890: 59; Pound and Clements, 1900: 120; Reynolds, 1942: 48; Hale, 1969: 174; 1979: 175; Cherney, 1985: 45) Brown, Cass, Cuming, Custer, Dawes, Dixon, Lancaster, Nemaha, Richardson, Sarpy, Seward, Sioux, Thomas
- Thelidium pyrenophorum* (Ach.) Mudd (Reynolds, 1942: 47) Richardson
- Thyrea pulvinata* (Schaerer) Massal. (Cherney, 1985: 45) Sarpy
- Toninia sedifolia* (Scop.) Timdal — *Lecidea caeruleonigricans* (Williams, 1889: 127; Webber, 1890: 55) Hitchcock
- Toninia tristis* (Th. Fr.) Th. Fr. (Griffin et al. 1995: 32) — subsp. *asiae-centralis* (H. Magn.) Timdal (Timdal, 1991: 113)
- Trapeliopsis granulosa* (Hoffm.) Lumbsch — *Biotora granulosa* (Williams, 1889: 116; Webber, 1890: 56) Nemaha
- Tuckermannopsis chlorophylla* (Willd.) Hale — *Cetraria chlorophylla* (Hale, 1969: 46; 1979: 121)
- Tuckermannopsis ciliaris* (Ach.) Gyelnik — *Cetraria ciliaris* (Aughey, 1875: 34)
- Tuckermannopsis coralligera* (W. A. Weber) W. A. Weber — *Cetraria coralligera* (Hale, 1969: 74; 1979: 128)
- Tuckermannopsis fendleri* (Nyl.) Hale — *Cetraria fendleri* (Hale, 1969: 96; 1979: 139)
- Umbilicaria phaea* Tuck. (Llano, 1950: 153, 227) Lancaster
- Umbilicaria vellea* (L.) Hoffm. (Hale, 1979: 162)
- Umbilicaria virginis* Schaerer — *Umbilicaria rugifera* (Williams, 1889: 42; Webber, 1890: 58) Cass
- Usnea barbata* (L.) F. H. Wigg. (Williams, 1889: 17; 1890: 780; Webber, 1890: 59) [Misidentifications for North America.] Cass, Lancaster
- Usnea cavernosa* Tuck. (Aughey, 1875: 34; Hale, 1969: 191; 1979: 213)
- Usnea florida* (L.) F. H. Wigg. — *Usnea barbata* var. *florida* (Williams, 1889: 17; Webber, 1890: 59) Cass
- Usnea fulvorenigens* (Räsänen) Räsänen (Hale, 1969: 185; 1979: 217)
- Usnea hirta* (L.) F. H. Wigg. — *Usnea barbata* var. *hirta* (Williams, 1889: 18; Webber, 1890: 59) Cass
- Usnea subfloridana* Stirton — *Usnea comosa* (Hale, 1969: 187)
- Verrucaria rupestris* Schrader (Williams, 1889: 157; Webber, 1890: 54; Cherney, 1985: 46) Cass, Gage, Sarpy, Saunders
- [*Verrucaria rupestris* Schrader var. *subalbicans* (Williams, 1889: 158; Webber, 1890: 54). Synonymy uncertain.] Cass, Saunders
- Xanthoparmelia chlorochroa* (Tuck.) Hale — *Parmelia chlorochroa* (Aughey, 1875: 34; Berry, 1941: 70; Wetmore, 1967: 395; Hale, 1969: 91) Sioux
- Xanthoparmelia coloradoensis* (Gyelnik) Hale — *Parmelia conserpsa* chemical strain 2 with salazinic acid and no isidia (Hale, 1955a: 18) — *Xanthoparmelia taractica* (Hale, 1979: 43; Cherney, 1985: 47) [Probable correct determinations for Nebraska reports. Could also refer to *X. tasmanica* (Hook. f. & Taylor) Hale or *X. lineola* (Berry) Hale as currently understood.] Sarpy
- Xanthoparmelia conspersa* (Ehrh. ex Ach.) Hale (Hale, 1979: 39) — *Parmelia conspersa* (Williams, 1889: 32"a";

- Webber, 1890: 59; Hale, 1969: 73)
Xanthoparmelia cumberlandia (Gyelnik) Hale (Hale, 1979: 42; Cherney, 1985: 47) Sarpy
Xanthoparmelia mexicana (Gyelnik) Hale (Hale, 1979: 40) — *Parmelia isidiata* chemical strain 2 with salazinic acid (Hale, 1955a: 20) [Probable correct determination for Nebraska material.]
Xanthoparmelia plittii (Gyelnik) Hale (Hale, 1979: 40)
Xanthoparmelia subramigera (Gyelnik) Hale (Hale, 1979: 39)
Xanthoria candelaria (L.) Th. Fr. (Rudolph, 1955: 187; Hale, 1969: 40; 1979: 30; Cherney, 1985: 48) — *Teloschistes candelaris* (Aughey, 1875: 34) — *Teloschistes lychneus* (Williams, 1889: 22) — *Teloschistes parietinus* var. *lychneus* (Webber, 1890: 59) Burt, Cass, Cuming, Dixon, Knox, Lancaster, Nemaha, Otoe, Sarpy
Xanthoria elegans (Link) Th. Fr. — *Caloplaca elegans* (Reynolds, 1942: 48; Hale, 1969: 88) — *Placodium elegans* (Williams, 1890: 780; Webber, 1892: 13) Richardson
Xanthoria fallax (Hepp) Arnold (Hale, 1969: 40; 1979: 30; Cherney, 1985: 48) Burt, Dixon, Knox, Nemaha, Richardson, Sarpy, Washington
Xanthoria parietina (L.) Th. Fr. — *Teloschistes parietinus* (Aughey, 1875: 34; Williams, 1889: 20; Webber, 1890: 59; Reynolds, 1942: 48) Cass, Gage, Lancaster, Richardson, Saunders, Seward
Xanthoria polycarpa (Hoffm.) Rieber (Cherney, 1985: 48) — *Teloschistes parietinus* var. *polycarpus* (Webber, 1890: 59) — *Teloschistes polycarpus* (Reynolds, 1942: 48) Cass, Gage, Lancaster, Richardson, Sarpy, Saunders, Seward
Xanthoria sorediata (Vainio) Poelt — *Caloplaca sorediata* (Hale, 1969: 39)

ALPHABETICAL LIST OF SYNONYMS AND ACCEPTED NAMES

For those individuals using this catalog to update herbarium names and to prepare specimen labels or who are using older identification manuals, we believed it would be useful to have an alphabetical listing of all synonyms that have been used for Nebraska lichens along with the currently accepted nomenclature as presented in the first portion of this catalog. Like the earlier section of this paper, nomenclature follows the most recent North American lichen checklists and supplements by Egan (1987, 1989, 1990, 1991) and Esslinger and Egan (1995, in press).

- Acolium tigillare* = *Cyphelium tigillare* (Ach.) Ach.
Alectoria fremontii = *Bryoria fremontii* (Tuck.) Brodo & D. Hawksw.
Anaptychia speciosa = *Heterodermia speciosa* (Wulfen) Trevisan
Arthonia astroidea = *Arthonia radiata* (Pers.) Ach.
Arthonia ramulosa = [synonymy uncertain]
Arthonia taediosa = *Arthothelium taediosum* (Nyl.) Müll. Arg.
Arthopyrenia hyalospora = *Lithothelium hyalosporum* (Nyl.) Aptroot
Bacidia inundata = *Bacidina inundata* (Fr.) Vězda
Bacidia muscorum = *Bacidia bagliettoana* (Massal. & De Not.) Jatta

- Biatora campestris* = *Sarcosagium campestre* (Fr.) Poetsch & Schiedem.
Biatora decipiens = *Psora decipiens* (Hedwig) Hoffm.
Biatora decipiens f. *dealbata* = *Psora decipiens* (Hedwig) Hoffm.
Biatora exigua = *Pyrrhospora varians* (Ach.) R. C. Harris
Biatora fuscrobella = *Bacidia polychroa* (Th. Fr.) Körber
Biatora granulosa = *Trapeliopsis granulosa* (Hoffm.) Lumbsch
Biatora hypnophila = *Mycobilimbia sabuletorum* (Schreber) Hafellner
Biatora icterica = *Psora icterica* (Mont.) Müll. Arg.
Biatora inundata = *Bacidina inundata* (Fr.) Vězda
Biatora muscorum = *Bacidia bagliettoana* (Massal. & De Not.) Jatta
Biatora rubella = *Bacidia rubella* (Hoffm.) Massal.
Biatora russellii = *Psora russellii* (Tuck.) A. Schneider
Biatora russellii f. *dealbata* = *Psora russellii* (Tuck.) A. Schneider
Biatora russula f. *dealbata* = *Pyrrhospora russula* (Ach.) Hafellner
Biatora stigmatella = *Bacidia stigmatella* (Tuck.) Zahlbr.
Biatora suffusa = *Bacidia suffusa* (Fr.) A. Schneider
Biatora umbrina = *Scoliciosporum umbrinum* (Ach.) Arnold
Biatora varians = *Pyrrhospora varians* (Ach.) R. C. Harris
Bilimbia acclinis = *Arthrosporum populorum* Massal.
Buellia alboatra var. *saxicola* = *Diplotomma alboatrum* (Hoffm.) Flotow
Buellia epigaea = *Buellia elegans* Poelt
Buellia geographica = *Rhizocarpon geographicum* (L.) DC.
Buellia myriocarpa = *Amandinea punctata* (Hoffm.) Coppins & Scheid.
Buellia parasema = *Buellia disciformis* (Fr.) Mudd
Buellia parmeliarum = *Abrothallus parmeliarum* (Sommerf.) Arnold
Buellia pertusariicola = *Dactylospora pertusariicola* (Willey ex Tuck.) Hafellner
Buellia punctata var. *punctata* = *Amandinea punctata* (Hoffm.) Coppins & Scheid.
Calicium parietinum var. *albonigrum* = *Mycocalicium albonigrum* (Nyl.) Fink
Calicium trachelinum = *Calicium salicinum* Pers.
Caloplaca bracteata = *Fulgensia bracteata* (Hoffm.) Räsänen
Caloplaca elegans = *Xanthoria elegans* (Link) Th. Fr.
Caloplaca fulgens = *Fulgensia fulgens* (Sw.) Elenkin
Caloplaca sorediata = *Xanthoria sorediata* (Vainio) Poelt
Catillaria grossa = *Megalaria grossa* (Pers. ex Nyl.) Hafellner
Cetraria chlorophylla = *Tuckermannopsis chlorophylla* (Willd.) Hale
Cetraria ciliaris = *Tuckermannopsis ciliaris* (Ach.) Gyelnik
Cetraria coralligera = *Tuckermannopsis coralligera* (W. A. Weber) W. A. Weber
Cetraria fendleri = *Tuckermannopsis fendleri* (Nyl.) Hale
Cetraria lacunosa = *Platismatia lacunosa* (Ach.) Culb. & C. Culb.
Cladonia bacillaris = *Cladonia macilenta* Hoffm. var. *bacillaris* (Genth) Schaerer
Cladonia capitata = *Cladonia peziziformis* (With.) J. R. Laundon
Cladonia conista = *Cladonia humilis* (With.) J. R. Laundon
Cladonia fimbriata var. *tubaeformis* = *Cladonia fimbriata* var. *simplex* (Weiss) Vainio
Cladonia major = *Cladonia fimbriata* (L.) Fr.
Cladonia mitrula = *Cladonia peziziformis* (With.) J. R. Laundon

- Cladonia nemoxynea* = *Cladonia rei* Schaerer
Cladonia norrlinii = *Cladonia acuminata* (Ach.) Norrlin
Cladonia pulchella = *Cladonia didyma* (Fée) Vainio
Cladonia subcariosa = *Cladonia polycarpoides* Nyl.
Cladonia verticillata = *Cladonia cervicornis* (Ach.) Flotow
 subsp. *verticillata* (Hoffm.) Ahti
Collema aggregatum = *Collema fasciculare* (L.) F. H. Wigg
Collema cyrtaspis = *Collema conglomeratum* Hoffm. var.
crassiusculum (Malme) Degel.
Collema laciniatum = *Collema texanum* Tuck.
Collema microphyllum = *Collema fragrans* (Sm.) Ach.
Collema pulposum = *Collema tenax* (Sw.) Ach.
Collema pycnocarpum = *Collema conglomeratum* Hoffm. var.
crassiusculum (Malme) Degel.
Collema stenophyllum = *Collema dichotomum* (With.) Coppins
 & J. R. Laundon
Collema tuniforme = *Collema fuscovirens* (With.) J. R. Laundon
Dermatocarpon fluviatile = *Dermatocarpon luridum* (With.)
 J. R. Laundon
Dermatocarpon hepaticum = *Catapyrenium cinereum* (Pers.)
 Körber
Dermatocarpon rufescens = *Catapyrenium rufescens* (Ach.)
 Breuss
Endocarpon miniatum = *Dermatocarpon miniatum* (L.) W.
 Mann
Endocarpon rufescens = *Catapyrenium rufescens* (Ach.) Breuss
Evernia vulpina = *Letharia vulpina* (L.) Hue
Gasparrinia microphyllina = *Caloplaca microphyllina* (Tuck.)
 Hasse
Gasparrinia trachyphylla = *Caloplaca trachyphylla* (Tuck.)
 Zahlbr.
Graphis dendritica = *Phaeographis dendritica* (Ach.) Müll.
 Arg.
Graphis scripta var. *limitata* = *Graphis scripta* (L.) Ach.
Gyalecta lutea = *Dimerella lutea* (Dickson) Trevisan
Heppia despreauxii = *Heppia lutosa* (Ach.) Nyl.
Heppia polyspora = *Peltula patellata* (Bagl.) Swinscow &
 Krog
Heterothecium grossum = *Megalaria grossa* (Pers. ex Nyl.)
 Hafellner
Lecania syringea = *Lecania fuscella* (Schaerer) Körber
Lecanora athrocarpa = *Sarcogyne athrocarpa* H. Magn.
Lecanora berica = [synonymy uncertain]
Lecanora brunonis = *Lecania brunonis* (Tuck.) Herre
Lecanora calcarea = *Aspicilia calcarea* (L.) Mudd
Lecanora cervina = *Acarospora cervina* Massal.
Lecanora chlorophana = *Pleopsidium chlorophanum*
 (Wahlenb.) Zopf
Lecanora chrysoleuca = *Rhizoplaca chrysoleuca* (Sm.) Zopf
Lecanora conizaea = *Lecanora expallens* Ach.
Lecanora crassa = *Squamarina cartilaginea* (With.) P. James
Lecanora effusa = *Lecanora saligna* (Schrader) Zahlbr.
Lecanora fuscata = *Acarospora fuscata* (Schrader) Arnold
Lecanora glaucocarpa = *Acarospora glaucocarpa* (Ach.) Körber
Lecanora haydenii = *Rhizoplaca haydenii* (Tuck.) W. A. We-
 ber
Lecanora lentigera = *Squamarina lentigera* (Weber) Poelt
Lecanora melanaspis = *Lobothallia melanaspis* (Ach.)
 Hafellner
Lecanora muralis var. *garovaglii* = *Lecanora garovaglii*
 (Körber) Zahlbr.
Lecanora muralis var. *saxicola* = *Lecanora muralis* (Schreber)
 Rabenh.
Lecanora privigna = *Sarcogyne privigna* (Ach.) Massal.
Lecanora rubina = *Rhizoplaca chrysoleuca* (Sm.) Zopf
Lecanora rubina var. *garovaglii* = *Lecanora garovaglii* (Körber)
 Zahlbr.
Lecanora rubina var. *opaca* = *Rhizoplaca melanophthalma*
 (DC.) Leuckert & Poelt
Lecanora rubina var. *saxicola* = *Rhizoplaca chrysoleuca* (Sm.)
 Zopf
Lecanora rubina var. *versicolor* = *Lecanora muralis* (Schreber)
 Rabenh. var. *versicolor* (Pers.) Tuck.
Lecanora schleicheri = *Acarospora schleicheri* (Ach.) Massal.
Lecanora subfusca = *Lecanora allophana* Nyl.
Lecanora subfusca var. *argentata* = *Lecanora argentata* (Ach.)
 Malme
Lecanora subfusca var. *coilocarpa* = *Lecanora pulicaris* (Pers.)
 Ach.
Lecanora subfusca var. *distans* = *Lecanora populicola* (DC.)
 Duby
Lecanora varia var. *saepincola* = *Lecanora symmicta* (Ach.)
 Ach.
Lecanora versicolor = *Lecanora muralis* (Schreber) Rabenh.
 var. *versicolor* (Pers.) Tuck.
Lecanora xanthophana = *Acarospora schleicheri* (Ach.) Massal.
Lecanora xanthophana var. *dealbata* = *Acarospora schleicheri*
 (Ach.) Massal.
Lecidea acclinis = *Arthrosporum populorum* Massal.
Lecidea caeruleonigricans = *Toninia sedifolia* (Scop.) Timdal
Lecidea contigua = *Porpidia macrocarpa* (DC.) Hertel & A. J.
 Schwab
Lecidea decipiens = *Psora decipiens* (Hedwig) Hoffm.
Lecidea enteroleuca = *Lecidella euphorea* (Flörke) Hertel for
 Nebraska records
Lecidea enteroleuca var. *achrista* = *Lecidella euphorea* (Flörke)
 Hertel for Nebraska records
Lecidea granosa = *Bacidia granosa* (Tuck.) Zahlbr.
Lecidea haydenii = *Rhizoplaca haydenii* (Tuck.) W. A. Weber
Lecidea melancheima = *Pyrrhospora elabens* (Fr.) Hafellner
Lecidea polycarpa = *Lecidea lapicida* (Ach.) Ach.
Lecidea rubiformis = *Psora rubiformis* (Ach.) Hook.
Lecidea scalaris = *Hypocenomyce scalaris* (Ach.) Choisy
Lecidea tesselina = *Lecanora oreinoides* (Körber) Hertel &
 Rambold
Leciographa pertusariicola = *Dactylospora pertusariicola*
 (Willey ex Tuck.) Hafellner
Lepraria finkii = *Lepraria lobificans* Nyl.
Leptogium lacerum = *Leptogium lichenoides* (L.) Zahlbr.
Leptogium minutissimum = *Leptogium subtile* (Schrader)
 Torss.
Leptogium myochroum = *Leptogium saturninum* (Dickson)
 Nyl.
Microphiale lutea = *Dimerella lutea* (Dickson) Trevisan
Mycoporum pycnocarpum = *Mycoporum compositum* (Massal.)
 R. C. Harris
Omphalaria pulvinata = *Euopsis pulvinata* (Schaerer) Nyl.
Opegrapha varia var. *pulicaris* = *Opegrapha varia* Pers.
Pannaria byssina = *Leptogium byssinum* (Hoffm.) Zwackh ex
 Nyl.
Pannaria lanuginosa = *Pannaria conoplea* (Ach.) Bory
Pannaria leucosticta = *Fuscopannaria leucosticta* (Tuck.) P.
 M. Jørg.
Pannaria microphylla = *Fuscopannaria leucophaea* (Vahl) P.
 M. Jørg.
Pannaria nigra = *Placynthium nigrum* (Hudson) Gray

- Parmelia bolliana* = *Punctelia bolliana* (Müll. Arg.) Krog
Parmelia borrieri = *Punctelia subrudecta* (Nyl.) Krog for Nebraska records
Parmelia borrieri var. *rudecta* = *Punctelia rudecta* (Ach.) Krog
Parmelia caperata = *Flavoparmelia caperata* (L.) Hale
Parmelia chlorochroa = *Xanthoparmelia chlorochroa* (Tuck.) Hale
Parmelia colpodes = *Anzia colpodes* (Ach.) Stizenb.
Parmelia conspersa = *Xanthoparmelia conspersa* (Ehrh. ex Ach.) Hale
Parmelia crinita = *Parmotrema crinitum* (Ach.) Choisy
Parmelia disjuncta = *Melanelia disjuncta* (Erichsen) Essl.
Parmelia elegantula = *Melanelia elegantula* (Zahlbr.) Essl.
Parmelia exasperatula = *Melanelia exasperatula* (Nyl.) Essl.
Parmelia flaventior = *Flavopunctelia flaventior* (Stirton) Hale
Parmelia isidiata = *Xanthoparmelia mexicana* (Gyelnik) Hale for Nebraska records
Parmelia manshurica = *Flavopunctelia soledica* (Nyl.) Hale
Parmelia michauxiana = *Parmotrema michauxianum* (Zahlbr.) Hale
Parmelia molliuscula = misidentifications
Parmelia olivacea = *Melanelia olivacea* (L.) Essl.
Parmelia perforata = *Parmotrema perforatum* (Jacq.) Massal.
Parmelia perforata var. *hypotropa* = *Parmotrema hypotropum* (Nyl.) Hale
Parmelia quercina = *Parmelina quercina* (Willd.) Hale
Parmelia rudecta = *Punctelia rudecta* (Ach.) Krog
Parmelia solediosa = *Melanelia solediosa* (Ach.) Goward & Ahti
Parmelia subargentifera = *Melanelia subargentifera* (Nyl.) Essl.
Parmelia sublaevigata = misidentifications
Parmelia subolivacea = *Melanelia subolivacea* (Nyl.) Essl.
Parmelia subrudecta = *Punctelia subrudecta* (Nyl.) Krog
Parmelia substygia = *Melanelia tominii* (Oksner) Essl.
Parmelia subsumpta = *Rimeliella subsumpta* (Nyl.) Kurok.
Parmelia tiliacea = misidentifications
Parmelia tiliacea var. *sublaevigata* = misidentifications
Parmelia tiliacea var. *sulphurosa* = *Myelochroa galbina* (Ach.) Elix & Hale
Parmelia ulophyllodes = *Flavopunctelia soledica* (Nyl.) Hale
Parmelina aurulenta = *Myelochroa aurulenta* (Tuck.) Elix & Hale
Parmeliopsis aleurites = *Imshaugia aleurites* (Ach.) S. F. Meyer
Parmeliopsis placorodia = *Imshaugia placorodia* (Ach.) S. F. Meyer
Parmotrema reticulatum = *Rimelia reticulata* (Taylor) Hale & Fletcher
Peltigera canina var. *rufescens* = *Peltigera rufescens* (Weiss) Humb.
Peltigera canina var. *spuria* = *Peltigera didactyla* (With.) J. R. Laundon
Peltigera canina var. *spuria* f. *solediosa* = *Peltigera didactyla* (With.) J. R. Laundon
Peltigera spuria = *Peltigera didactyla* (With.) J. R. Laundon
Peltula polyspora = *Peltula patellata* (Bagl.) Swinscow & Krog
Pertusaria communis = misidentifications
Pertusaria justulata = *Pertusaria pustulata* (Ach.) Duby [probable misspelling]
Pertusaria multipuncta = misidentifications
Physcia adglutinata = *Hyperphyscia adglutinata* (Flörke) H. Mayrh. & Poelt
Physcia astroidea = *Physcia clementei* (Sm.) Lyngé
Physcia chloantha = *Physciella chloantha* (Ach.) Essl.
Physcia ciliata f. *ciliata* = *Phaeophyscia ciliata* (Hoffm.) Moberg
Physcia constipata = *Phaeophyscia constipata* (Norrlin & Nyl.) Moberg
Physcia endochrysea = *Phaeophyscia rubropulchra* (Degel.) Essl.
Physcia endococcina = *Phaeophyscia endococcina* (Körber) Moberg
Physcia grisea f. *farrea* = misidentifications
Physcia grisea f. *grisea* = misidentifications
Physcia hispida = *Physcia tenella* (Scop.) DC.
Physcia luganensis = *Physciella chloantha* (Ach.) Essl.
Physcia muscigena = *Physconia muscigena* (Ach.) Poelt
Physcia obscura = *Phaeophyscia ciliata* (Hoffm.) Moberg
Physcia orbicularis f. *orbicularis* = *Phaeophyscia orbicularis* (Necker) Moberg
Physcia pulverulenta = misidentifications
Physcia pulverulenta var. *leucoleiptes* = *Physconia leucoleiptes* (Tuck.) Essl.
Physcia sciastra = *Phaeophyscia sciastra* (Ach.) Moberg
Physcia setosa = *Phaeophyscia hispidula* (Ach.) Essl.
Physcia speciosa = *Heterodermia speciosa* (Wulfen) Trevisan
Physcia syncolla = *Hyperphyscia syncolla* (Tuck. ex Nyl.) Kalb
Physciopsis syncolla = *Hyperphyscia syncolla* (Tuck. ex Nyl.) Kalb
Physconia pulverulenta = misidentifications
Placodium atroalbum = *Caloplaca atroalba* (Tuck.) Zahlbr.
Placodium aurantiacum = *Caloplaca flavorubescens* (Hudson) J. R. Laundon
Placodium bracteatum = *Fulgensia bracteata* (Hoffm.) Räsänen
Placodium cerinum = *Caloplaca cerina* (Ehrh. ex Hedwig) Th. Fr.
Placodium cerinum var. *pyracea* = *Caloplaca holocarpa* (Hoffm. ex Ach.) M. Wade
Placodium cinnabarinum = *Caloplaca cinnabarina* (Ach.) Zahlbr.
Placodium citrinum = *Caloplaca citrina* (Hoffm.) Th. Fr.
Placodium elegans = *Xanthoria elegans* (Link) Th. Fr.
Placodium ferrugineum var. *pollinii* = *Caloplaca pollinii* (Massal.) Jatta
Placodium fulgens = *Fulgensia fulgens* (Sw.) Elenkin
Placodium fulgens var. *bracteatum* = *Fulgensia bracteata* (Hoffm.) Räsänen
Placodium microphyllum = *Caloplaca microphyllina* (Tuck.) Hasse
Placodium vitellinum = *Candelariella vitellina* (Hoffm.) Müll. Arg.
Pseudoparmelia caperata = *Flavoparmelia caperata* (L.) Hale
Pyrenodesmia atroalba = *Caloplaca atroalba* (Tuck.) Zahlbr.
Pyrenula fallaciosa = *Julella sericea* (Massal.) Coppins
Pyrenula nitida = misidentifications
Pyrenula punctiformis = *Arthopyrenia punctiformis* (Pers.) Massal.
Pyxine cocoes var. *solediosa* = *Pyxine solediosa* (Ach.) Mont.
Ramalina calicaris var. *fraxinea* = *Ramalina fraxinea* (L.) Ach.
Ramalina fastigiata var. "subamplicata" = misidentifications
Rinodina oreina = *Dimelaena oreina* (Ach.) Norman
Rinodina sophodes = misidentifications
Rinodina sophodes var. *exigua* = *Rinodina exigua* (Ach.) Gray
Staurothele umbrina = *Staurothele fissa* (Taylor) Zwackh

Stereocaulon albicans = *Leprocaulon albicans* (Th. Fr.) Nyl. ex Hue
Sticta aurata = *Pseudocyphellaria aurata* (Ach.) Vainio
Sticta quercizans = *Lobaria quercizans* Michaux
Synalissa schaeferi = *Psorotichia schaeferi* (Massal.) Arnold
Synechoblastus aggregatus = *Collema fasciculare* (L.) F. H. Wigg.
Synechoblastus fascicularis = *Collema fasciculare* (L.) F. H. Wigg.
Synechoblastus laciniatus = *Collema texanum* Tuck.
Synechoblastus leptaleus = *Collema leptaleum* Tuck.
Teloschistes candelaris = *Xanthoria candelaria* (L.) Th. Fr.
Teloschistes concolor = *Candelaria concolor* (Dickson) Stein
Teloschistes concolor var. *effusa* = *Candelaria concolor* var. *effusa* (Tuck.) Burnham
Teloschistes lychneus = *Xanthoria candelaria* (L.) Th. Fr.
Teloschistes parietinus = *Xanthoria parietina* (L.) Th. Fr.
Teloschistes parietinus var. *lychneus* = *Xanthoria candelaria* (L.) Th. Fr.
Teloschistes parietinus var. *polycarpus* = *Xanthoria polycarpa* (Hoffm.) Rieber
Teloschistes polycarpus = *Xanthoria polycarpa* (Hoffm.) Rieber
Umbilicaria papulosa = *Lasallia papulosa* (Ach.) Llano
Umbilicaria pustulata = *Lasallia pustulata* (L.) Merat
Umbilicaria rugifera = *Umbilicaria virginis* Schaerer
Urceolaria actinostoma = *Diploschistes actinostomus* (Ach.) Zahlbr.
Urceolaria scruposa = *Diploschistes scruposus* (Schreber) Norman
Usnea barbata = misidentifications
Usnea barbata var. *florida* = *Usnea florida* (L.) F. H. Wigg.
Usnea barbata var. *hirta* = *Usnea hirta* (L.) F. H. Wigg.
Usnea comosa = *Usnea subfloridana* Stirton
Verrucaria rupestris var. *subalbicans* = [synonymy uncertain]
Xanthoparmelia taractica = *Xanthoparmelia coloradoensis* (Gyelnik) Hale for Nebraska records

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