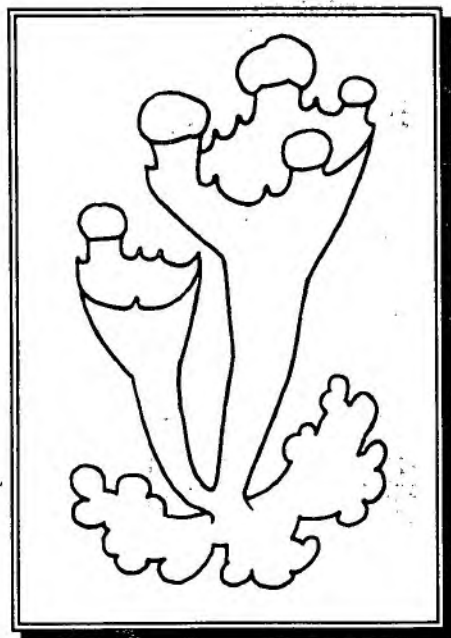


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# CHECKLIST OF LICHENS OF GREAT BRITAIN AND IRELAND



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## Introduction

This checklist of the lichens of Great Britain and Ireland includes all accepted names of lichen-forming fungi treated in the *Lichen Flora of Great Britain and Ireland* (Purvis *et al.* 1992). Lichenicolous fungi (suffixed "[LF]") included are those present in genera mainly comprising lichenized species (e.g. *Arthonia* and *Opegrapha* and suffixed "[±L]") and a few that until recently were included in such genera (e.g. *Geltingia* and *Phaeopyxis* species, previously in *Lecidea*). A new checklist of lichenicolous taxa is in preparation. Other non-lichenized taxa (suffixed "[F]"), also included in the *Flora*, are those traditionally treated by lichenologists and which are usually overlooked by mycologists. Earlier synonyms used in the previous checklists of Hawksworth *et al.* (1980) and Cannon *et al.* (1985) are also included. Some later synonyms, especially for recent generic segregates used by some contemporary lichenologists which it has not been prudent to adopt at this stage, are also noted. 22 recently discovered species are also included and listed separately (Appendix 3); these will be discussed in a future paper in the *Lichenologist*. 50 lichen taxa which have not been recorded during this century and which may be regarded as extinct are indicated in the main list by an asterisk (\*) and also listed in Appendix 1; species which are considered to have been erroneously reported from Great Britain and Ireland and those which are of dubious taxonomic validity and have been not dealt with in the *Flora* are omitted from the main list and are presented in Appendix 2. New combinations are given in Appendix 4: A "?" denotes in the case of species an uncertain taxon in Great Britain, or, in the case of synonyms a probable synonym.

The present checklist is arranged alphabetically by genus and species. Accepted genera are printed in bold and those regarded as synonyms in bold italics. Accepted species names (with dates of valid publication) are indented in roman, with synonyms further indented in italics. Synonyms which have been transferred to other genera are listed separately at the base of each genus listing. References to literature have been kept to a minimum as these are given in the *Flora* which should be consulted for further information. The total number of taxa accepted in the checklist is 267 genera, 1660 species, 9 subspecies, 40 varieties and 12 forms. Of these 1566 species are consistently or facultatively lichenized; 42 are non-lichenized (but not lichenicolous); and 52 are lichenicolous fungi (excluding lichenicolous lichens). An equivalent 223 lichen genera were included in the 1980 list and 1471 lichen-forming fungi were listed; the difference between these figures and the current totals reflects the discovery of a substantial number of additional species in the British Isles as well as a proliferation in genera, particularly as a consequence of the splitting of *Lecidea* and other crustose genera.

## Checklist

**Absconditella** Vězda (1965)

- celata Döbbele & Poelt (1977)
- delutula (Nyl.) Coppins & Kilius (1981)
- ? *A. modesta* (Stizenb.) Vězda (1965)
- pauxilla Vězda & Vivant (1975)
- sphagnorum Vězda & Poelt (1965)
- trivialis (Willey ex Tuck.) Vězda (1965)

**Acarospora** Massal. (1852)

- badiofusca (Nyl.) Th. Fr. (1861)
- chlorophana (Wahlenb.) Massal. (1852)
- durietzii Magnusson (1924)
- fuscata (Schrader) Th. Fr. (1871)
- glaucoarpa (Ach.) Körber (1859)
- ? *A. cervina* Massal. (1852)
- A. glaucoarpa* var. *depauperata* (Körber) A.L. Sm. (1918)
- heppii (Naeg. ex Hepp) Naeg. ex Körber (1859)
- impressula Th. Fr. (1871)
- A. atrata* Hue (1909)
- macrospora (Hepp) Massal. ex Bagl. (1857)
- A. macrospora* var. *incusa* (Körber) Magnusson (1924)
- macrospora subsp. *murorum* (Massal.) Clauz. & Roux (1981)
- A. murorum* Massal. (1853)
- nitrophila Magnusson (1924)
- A. muddii* Magnusson (1926)
- A. normanii* Magnusson (1924)
- A. praeruptorum* Magnusson (1924)
- rhizobola (Nyl.) Alstrup (1986)
- Lecidea rhizobola* Nyl. (1865)
- rufescens (Ach.) Krempelh. (1861)
- sinopica (Wahlenb.) Körber (1859)
- smaragdula (Wahlenb.) Massal. (1852)
- A. amphibola* Wedd. (1875)
- A. benedarensis* Knowles (1913)
- A. fusca* B. de Lesd. (1914)
- A. scabrida* auct. brit. p.p., non Hedl. ex Magnusson (1924)
- A. scyphulifera* Vainio (1909)
- A. smaragdula* var. *lesdainii* (Harm. ex A.L. Sm.) Magnusson (1929)
- A. smaragdula* var. *murina* (Sandst.) Magnusson (1929)
- subrufula (Nyl.) H. Olivier (1900)
- umbilicata Bagl. (1857) f. *congregians* Magnusson (1929)
- veronensis Massal. (1852)
- A. magnussonii* G. Samp. (1924)
- verruciformis Magnusson (1924)

**Acrocordia** Massal. (1854)

- cavata (Ach.) R. Harris (1974)
- conoidea (Fr.) Körber (1855)
- gemmata (Ach.) Massal. (1854)
- macrospora Massal. (1855)
- salweyi (Leighton ex Nyl.) A.L. Sm. (1911)

**Adelolecia** Hertel & Hafellner (1984)

- pilati (Hepp) Hertel & Hafellner (1984)
- Lecidea pilati* (Hepp) Körber (1861)

**Agonimia** Zahlbr. (1909)

- allobata (Stizenb.) P. James (1992)
- Polyblastia allobata* (Stizenb.) Zsch. (1918)
- octospora Coppins & P. James (1978)
- tristicula (Nyl.) Zahlbr. (1909)

**Agyrium** Fr. (1822) [F]

- rufum (Pers.) Fr. (1822) [F]
- Lecidea grumosa* Leighton (1876)

**Ahlesia** Fuckel (1870) - see *Thelocarpon*.**Alectoria** Ach. (1810)

- nigricans (Ach.) Nyl. (1861)
- ochroleuca (Hoffm.) Massal. (1855)
- sarmentosa (Ach.) Ach. (1810)
- sarmentosa subsp. vexillifera (Nyl.) D. Hawksw. (1970)

**Allantoparmelia** (Vainio) Essl. (1978)

- alpicola (Th. Fr.) Essl. (1978)

**Amygdalaria** Norman (1853)

- consentiens (Nyl.) Hertel, Brodo & Inoue (1984)
- Hullia consentiens* (Nyl.) Hertel (1980)
- pelobotryon (Wahlenb.) Norman (1953)

**Anaptychia** Körber (1848)

- ciliaris Körber ex Massal. (1853)
- ciliaris subsp. mamillata (Taylor) D. Hawksw. & P. James (1980)
- runcinata (With.) Laundon (1984)
- A. fusca* (Huds.) Vainio (1899)

**Anisomeridium** (Müll. Arg.) M. Choisy (1928)

- biforme (Borrer) R. Harris (1978)
- nyssaegenum (Ellis & Everh.) R. Harris (1985)
- A. juistense* (Erichsen) R. Harris (1980)
- Sarcinulella banksiae* B. Sutton & Alcorn (1983)

**Aphanopsis** Nyl. ex Sydow (1887)

- coenosa (Ach.) Coppins & P. James (1984)
- Lecidea humigena* Taylor (1847)

**Arctomia** Th. Fr. (1860)

- delicatula Th. Fr. (1860)

**Arctoparmelia** Hale (1986) - see *Parmelia*.**Arthonia** Ach. (1806) [ $\pm$ L]

- abelonae P.M. Jørg. (1970) [LF]
- amylospora Almq. (1880) [LF]
- anglica Coppins (1989)
- anombrophila Coppins & P. James (1989)
- A. cinereopruinosa* auct. brit., non Schaerer (1850)
- arthonioides (Ach.) A.L. Sm. (1911)
- A. aspersa* Leighton (1856)
- astroidestra Nyl. (1874)
- A. stellaris* auct. p.p. non Krempelh. (1861)
- A. zwackhii* var. *macrospora* P. James (1978)
- atlantica P. James (1970)
- A. atlantica* var. *positiva* P. James (1978)
- cinnabarina (DC.) Wallr. (1831)
- A. tumidula* (Ach.) Ach. (1806)
- clemens (Tul.) Th. Fr. (1867) [LF]
- cohabitans Coppins (1989) [LF]
- didyma Körber (1853)
- A. aspersella* Leighton (1872)
- elegans (Ach.) Almq. (1880)
- endlicheri (Garov.) Oxner (1956)
- epiphyscia Nyl. (1875) [LF]
- excipienda (Nyl.) Leighton (1871) [LF]
- A. dispersa* auct. brit. p.p., non (Schrader) Nyl. (1861)
- A. hibernica* Nyl. (1876)
- fuscopurpurea (Tul.) R. Sant. (1960) [LF]
- \* galactites (DC.) Dufour (1818)
- gelidae R. Sant. (1986) [LF]
- graphidicola Coppins (1869) [LF]
- ilicina Taylor (1836)
- Arthothelium ilicinum* (Taylor) P. James (1965)
- ilicinella Nyl. (1867)
- impolita (Hoffm.) Borrer (1831)

- intexta Almq. (1880) [LF]  
 invadens Coppins (1989) [LF]  
 lapidicola (Taylor) Branth. & Rostrup (1869)  
     *Catillaria ooliticola* W. Watson (1935)  
 leucopellaea (Ach.) Almq. (1880)  
 ligniaria Hellbom (1884)  
 ligniariella Coppins (1991)  
 ? molendoi (Heufl. ex Frauenf.) R. Sant. (1986) [LF]  
 muscigena Th. Fr. (1865)  
     *A. exilis* auct. brit., non (Flörke) Anzi (1860)  
     *A. leucodontis* (Poelt & Döbbeler) Coppins (1989)  
     *Bryostigma leucodontis* Poelt & Döbbeler (1979)  
 \* myriocarpella Nyl. (1863)  
     peltigerae Th. Fr. (1866) [LF]  
     phaeobaea (Norman) Norman (1869)  
     punctella Nyl. (1859) [LF]  
     punctiformis Ach. (1808) [LF]  
     radiata (Pers.) Ach. (1808)  
     spadicea Leighton (1854)  
     stellaris Krempelh. (1861)  
 \* subfuscicola (Lindsay) Triebel (1991) [LF]  
     thelotrematis Coppins (1989) [LF]  
     varians (Davies) Nyl. (1861) [LF]  
         *A. glaucomaria* (Nyl.) Nyl. (1861)  
     vinosa Leighton (1856)  
     zwackhii Sandst. (1903)

*A. granitophila* Th. Fr. (1865) = *Melaspilea*.

- Arthopyrenia** Massal. (1852) [ $\pm$ L]  
 antecellans (Nyl.) Arnold (1870) [F]  
 carneobrunneola Coppins (1988)  
 cerasi (Schrader) Massal. (1852) [F]  
     *A. crombei* A.L. Sm. (1911)  
 cinereopruinosa (Schaerer) Massal. (1855) [F]  
 fraxini Massal. (1852) [F]  
 lapponina Anzi (1864) [F]  
 nitescens (Salwey) Mudd (1861)  
     *A. submicans* (Nyl.) Arnold (1873)  
 punctiformis Massal. (1852) [F]  
     *A. cembrina* (Anzi) Grumman ex D. Hawksw. (1980)  
     *A. laburni* Arnold (1861)  
     ? *A. padi* Rabenh. (1858)  
 ranunculospora Coppins & P. James (1988)  
 rhyponia (Ach.) Massal. (1852) [F]  
 salicis Massal. (1852)  
 subcerasi (Vainio) Zahlbr. (1921) [F]  
 viridescens Coppins (1988)

*A. areniseda* A.L. Sm. (1911), *A. argilospila* (Nyl.) A.L. Sm. (1918), *A. bryospila* (Nyl.) Arnold (1870), *A. caesia* (Nyl.) Zahlbr. (1921), *A. elegans* R. Sant, nom. inval. (1985), *A. halodytes* (Nyl.) Arnold (1891), *A. monensis* (Wheldon) Zahlbr. (1922), *A. orustensis* Erichsen (1930), *A. pelvetiae* (Suthertl.) D. Hawksw. (1980), *A. saxicola* Massal. (1865), *A. strontianensis* Swinscow (1967), *A. subareniseda* G. Salisb. (1953) and *A. subltoralis* (Leighton) Arnold (1981) are included in *Pyrenocollema*.

**Arthothelium** Massal. (1852) [ $\pm$ L]

- dictyosporum (Coppins & P. James) Coppins (1989)
- A. ilicinum* var. *dictyosporum* Coppins & P. James (1979)
- lirellans (Almq.) Coppins (1979) [F]
- norvegicum Coppins & Tønnsb. (1984)
- orbilliferum (Almq.) Hasse (1913) [F]
- reagens (Coppins & P. James) Coppins & P. James (1981)
- A. ilicinum* var. *reagens* Coppins & P. James (1979)
- ruanum (Massal.) Körber (1861)
- \* spectabile Flotow ex Massal. (1852)

*A. ilicinum* (Taylor) P. James (1965) = *Arthonia*.

**Arthrorhaphis** Th. Fr. (1860) [ $\pm$ L]

- alpina (Schaerer) R. Sant. (1980)
- citrinella (Ach.) Poelt (1969)
- fuscireagens (Vainio) Poelt (1969) [LF]
- grisea Th. Fr. (1860) [LF]

**Aspicilia** Massal. (1852)

- caesiocinerea (Nyl. ex Malbr.) Arnold (1886)
- A. gibbosa* auct. brit., p.p. non (Ach.) Körber (1855)
- calcaria (L.) Mudd (1861)
- ? *A. lilliei* B. de Lesd. (1906)
- cinerea (L.) Körber (1855)
- contorta (Hoffm.) Krempelh. (1861)
- epiglypta (Norrllin ex Nyl.) Hue (1912)
- grisea Arnold (1891)
- A. insolata* (Magnusson) Havaas (1944)
- intermutans (Nyl.) Arnold (1887)
- laevata (Ach.) Arnold (1887)
- ? *A. sylvatica* Arnold (1884)
- leproscens (Sandst.) Havaas (1918)
- melanaspis (Ach.) Poelt & Leuckert (1973)
- recedens (Taylor) Arnold (1896)
- ? *simoensis* Räsänen (1925)
- subcircinata (Nyl.) Coppins (1980)
- subdepressa auct. brit., non (Nyl.) Arnold (1869)
- \* tuberculosa (Ach.) Laundon (1986)



- A. alpina* (Sommerf.) Arnold (1871) = *Bellemerea*  
*A. complanata* (Körber) B. Stein (1879) = *Miriquidica*  
*A. complanatoidea* (A.L. Sm.) W. Watson (1935) = *Schaereria*  
*A. flavida* (Hepp) Rehm (1863) = *Eiglera*  
*A. leucophyma* (Leighton) Hue (1912) = *Koerberiella*  
*A. lindsayi* W. Watson (1939) = *Lecanora*  
*A. morioides* Blomb. ex Arnold (1881) = *Clauzadeana*  
*A. poriniformis* (Nyl.) Arnold (1870) = *Pertusaria*  
*A. superiuscula* (Nyl.) Hue (1912) = *Miriquidica*.

**Bacidia** de Not. (1846)

- absistens* (Nyl.) Arnold (1870)  
*arceutina* (Ach.) Arnold (1869)  
*B. leightoniana* (Larbal. ex Leighton) H. Olivier (1911)  
*arnoldiana* Körber (1860)  
*assulata* (Körber) Vězda (1967)  
*auerswaldii* (Hepp ex Stizenb.) Mig. (1929)  
*bagliettoana* (Massal. & de Not.) Jatta (1900)  
*B. muscorum* (Swartz) Mudd (1861)  
*beckhausii* Körber (1860)  
*biatorina* (Körber) Vainio (1922)  
*caligans* (Nyl.) A. L. Sm. (1911)  
*carneoglaucata* (Nyl.) A. L. Sm. (1911)  
*chlorotricula* (Nyl.) A. L. Sm. (1911)  
*circumspecta* (Norrlin & Nyl.) Malme (1895)  
*delicata* (Larbal. ex Leighton) Coppins (1980)  
*egenula* (Nyl.) Arnold (1870)  
*friesiana* (Hepp) Körber (1860)  
*fuscoviridis* (Anzi) Lettau (1912)  
*hegetschweileri* (Hepp) Vainio (1922)  
*herbarum* (Stizenb.) Arnold (1865)  
*igniari* (Nyl.) Oxner (1968)  
*B. abbrevians* (Nyl.) Th. Fr. (1874)  
*incompta* (Borrer ex Hooker) Anzi (1860)  
*inundata* (Fr.) Körber (1855)  
*laurocerasi* (Delise ex Duby) Zahlbr. (1926)  
*myrtillicola* Erichsen (1939)  
*naegelii* (Hepp) Zahlbr. (1909)  
*phacodes* Körber (1860)  
\* *polychroa* (Th. Fr.) Körber (1860)  
*rubella* (Hoffm.) Massal. (1852)  
*sabuletorum* (Schreber) Lettau (1912)  
*B. accedens* (Arnold) Lettau (1912)  
*saxenii* Erichsen (1941)  
*scopulicola* (Nyl.) A. L. Sm. (1911)  
*subcircumspecta* Coppins (1992)

- subfuscula (Nyl.) Th. Fr. (1867)  
*B. circumpallens* (Nyl.) Arnold (1870)  
 subincompta (Nyl.) Arnold (1870)  
 \* subturgidula (Nyl.) Zahlbr. (1926)  
 trachona (Ach.) Lettau (1912)  
 vezdae Coppins & P. James (1978)  
*Fellhanera vezdae* (Coppins & P. James) V. Wirth (1987)  
 viridescens (Massal.) Norman (1868)  
 viridifarinosa Coppins & P. James (1992)

- B. carnealbans* (Nyl.) A.L. Sm. (1911) = *Micarea*  
*B. carnealbida* (Müll. Arg.) Coppins (1988) ["carneopallida"] = *Biatora*  
*B. cuprea* (Massal.) Lettau (1912) = *Lecania*  
*B. epixanthoides* (Nyl.) Lettau (1912) = *Biatora*  
*B. fusca* (Massal.) Du Rietz (1929) = *Biatora*  
*B. globulosa* (Flörke) Hafellner & V. Wirth (1987) = *Catillaria*  
*B. obscurata* (Sommerf.) Zahlbr. (1905) = *Biatora*  
*B. plumbina* (Anzi) R. Sant. (1960) = *Toninia*  
*B. subtilis* Vězda (1961) = *Fellhanera*  
*B. tetramera* (de Not.) Coppins (1988) = *Biatora*.

- Bactrospora** Massal. (1852)  
 corticola (Fr.) Almq. (1869)  
 dryina (Ach.) Massal. (1852)  
 homalotropa (Nyl.) Egea & Torrente (1989)  
*Lecanactis homalotropa* (Nyl.) Gilenstam (1969)

**Literature:** Torrente & Egea (1989), Egea & Torrente (1993)

- Baeomyces** Pers. (1794)  
 placophyllus Ach. (1803)  
 roseus Pers. (1794)  
 rufus (Huds.) Rehent. (1804)

**Bagliettoa** Massal. (1853) - see *Verrucaria*.

- Bellemerea** Hafellner & Roux (1984)  
 alpina (Sommerf.) Clauz. & Roux. (1984)  
*Aspicilia alpina* (Sommerf.) Arnold (1871)

- Belonia** Körber ex Nyl. (1852)  
 calcicola W. Watson (1935)  
 incarnata Th. Fr. & Graewe ex Th. Fr. (1865)  
 nidarosiensis (Kindt) P.M. Jørg & Vězda (1983)  
*Clathroporina calcarea* W. Watson (1925)  
 russula Körber ex Nyl. (1857)

**Biatora** Fr. (1817)

- carneoalbida (Müll. Arg.) Coppins (1992)  
*Bacidia carneoalbida* (Müll. Arg.) Coppins (1988) (["carneopallida"])  
*Biatora sphaeroides* auct. p.p., non (Dickson) Körber (1853)  
 \* cuprea (Sommerf.) Fr. (1831)  
*Lecidea cuprea* Sommerf. (1826)  
 epixanthoides (Nyl.) Diederich (1989)  
*Bacidia epixanthoides* (Nyl.) Lettau (1912)  
 epixanthoidiza (Nyl.) Räsänen (1939)  
*Lecidea efflorescens* (Hedl.) Erichsen (1932)  
*gyrophorica* (Tønsb.) Coppins (1993), non auct. brit.  
*Lecidea gyrophorica* Tønsb. (1992)  
*Lecidea epixanthoidiza* auct., non Nyl. (1875)  
*Biatora epixanthoidiza* auct., non (Nyl.) Räsänen (1939)  
 sphaeroides (Dickson) Körber (1853)  
*Catillaria sphaeroides* (Massal.) Schuler (1902)  
 tetramera (de Not.) Coppins (1992)  
*Bacidia fusca* (Massal.) Du Rietz (1929)  
*Bacidia obscurata* (Sommerf.) Zahlbr. (1905)  
*Bacidia tetramera* (de Not.) Coppins (1988)  
*Mycobilimbia obscurata* (Sommerf.) Rehm (1890)  
 vernalis (L.) Fr. (1831)  
*Lecidea vernalis* (L.) Ach. (1803)

*B. humida* Kuhl. (1871) = *Moelleropsis*.

**Biatorella** de Not. (1846)

- fossarum (Dufour) Th. Fr. (1874)  
 hemisphaerica Anzi (1860)  
*B. fossarum* auct. brit., non (Dufour) Th. Fr. (1874)  
 monasteriensis (Lahm) Lahm (1883)

*Biatorina* Massal. (1852) - see *Catillaria*.

*Blarneya* D. Hawksw., Coppins & P. James (1980)  
 hibernica D. Hawksw., Coppins & P. James (1980)

*Bomyliospora* de Not. ex Massal. (1852) - see *Megalospora*.

**Brigantiaea** Trevisan (1853)

- fuscolutea (Dickson) R. Sant. (1981)

**Bryonora** Poelt (1983)

- curvescens (Mudd) Poelt (1983)  
*Lecanora curvescens* (Mudd) Nyl. (1865)

**Bryophagus** Nitschke ex Arnold (1862)  
*gloeocapsa* Nitschke ex Arnold (1862)

**Bryoria** Brodo & D. Hawksw. (1977)  
*bicolor* (Ehrh.) Brodo & D. Hawksw. (1977)  
*capillaris* (Ach.) Brodo & D. Hawksw. (1977)  
*chalybeiformis* (L.) Brodo & D. Hawksw. (1977)  
*furcellata* (Fr.) Brodo & D. Hawksw. (1977)  
*fuscescens* (Gyelnik) Brodo & D. Hawksw. (1977)  
*fuscescens* var. *positiva* (Gyelnik) Brodo & D. Hawksw. (1977)  
 \* *implexa* (Hoffm.) Brodo & D. Hawksw. (1977)  
*B. pseudofuscescens* (Gyelnik) Brodo & D. Hawksw. (1977)  
*lanestrus* (Ach.) Brodo & D. Hawksw. (1977)  
*nadvornikiana* (Gyelnik) Brodo & D. Hawksw. (1977)  
*smithii* (Du Rietz) Brodo & D. Hawksw. (1977)  
*subcana* (Nyl. ex Stitzenb.) Brodo & D. Hawksw. (1977)

**Bryostigma** Döbbeler & Poelt (1979) - see *Arthonia*.

**Buellia** de Not. (1846)  
*abstracta* (Nyl.) H. Olivier (1903)  
*aethalea* (Ach.) Th. Fr. (1874)  
*B. soraria* Th. Fr. (1874)  
*arborea* Coppins & Tønsb. (1992)  
*arnoldii* Servit (1931)  
*asterella* Poelt & M. Sulzer (1974)  
*badia* (Fr.) Massal. (1853)  
*coniops* (Wahlenb. ex Ach.) Th. Fr. (1861)  
*disciformis* (Fr.) Mudd (1861)  
*erubescens* Arnold (1873)  
*excelsa* (Leighton) A.L. Sm. (1911)  
*B. punctata* var. *excelsa* (Leighton) Sheard (1964)  
*griseovirens* (Turner & Borrer ex Sm.) Almb. (1952)  
*insignis* (Naeg. ex Hepp) Th. Fr. (1860)  
*leptocline* (Flotow) Massal. (1854)  
*leptoclinoides* (Nyl.) Steiner (1907)  
*Hafellia leptoclinoides* (Nyl.) Scheid. & Mayrhofer (1986)  
*meiosperma* (Nyl.) Müll. Arg. (1887)  
*ocellata* (Flotow) Körber (1855)  
*B. verruculosa* auct., non (Sm.) Mudd (1861)  
*pulverea* Coppins & P. James (1978)  
*pulverulenta* (Anzi) Jatta (1900)  
*punctata* (Hoffm.) Massal. (1852)  
*sanguinolenta* Schauer (1965)  
*saxorum* Massal. (1852)  
*schaereri* de Not. (1846)  
*spuria* (Schaerer) Anzi (1860)  
*stellulata* (Taylor) Mudd (1861)

subdisciformis (Leighton) Vainio (1890)  
 uberius Anzi (1866)  
 violaceofusca Thor & Mhur (1991)

*B. aspersa* (Borrer) P. James (1965) = *Rinodina*

*B. geophila* auct. brit., non (Flörke ex Sommerf.) Lyngby (1937) = *Diploptomma*.

**Byssoloma** Trevisan (1853)

leucoblepharum (Nyl.) Vainio (1926)  
 marginatum (Arnold) Sérusiaux (1991)  
 subdiscordans (Nyl.) P. James (1971)

**Calicium** Pers. (1794)

abietinum Pers. (1797)  
 adpersum Pers. (1798)  
 corynellum (Ach.) Ach. (1803)  
 diploellum Nyl. (1868)  
 glaucellum Ach. (1803)  
 lenticulare Ach. (1816)  
*C. subquercinum* Asah. (1932)  
 parvum Tibell (1975)  
 \* quercinum Pers. (1797)  
 salicinum Pers. (1794)  
 \* trabinellum (Ach.) Ach. (1803)  
 viride Pers. (1794)

**Caloplaca** Th. Fr. (1860)

alociza (Massal.) Migula (1925)  
 approximata (Lyngby) Magnusson (1946)  
 aractina (Fr.) Häyrén (1914)  
*C. fuscoatra* (Decuill.) Zahlbr. (1894)  
 arenaria (Pers.) Müll. Arg. (1862)  
*C. subpallida* Magnusson (1945)  
 arnoldii (Wedd.) Zahlbr. ex Ginzb. (1915)  
 atroflava (Turner) Monguillon (1914)  
 ? *C. atroflava* var. *submersa* (Nyl.) Magnusson (1944)  
 aurantia (Pers.) Steiner (1896)  
 britannica R. Sant. (1992)  
 ceracea Laundon (1992)  
*C. caesiorufa* auct. brit., non (Schrader) Flagey (1895)  
 cerina (Ehrh. ex Hedwig) Th. Fr. (1860)  
*C. stillicidiorum* auct. brit., ? non (Vahl) Lyngby (1921)  
 cerinella (Nyl.) Flagey (1896)  
 chalybaea (Fr.) Müll. Arg. (1862)  
 chrysophthalma Degel. (1944)  
 cinnamomea (Th. Fr.) H. Olivier (1909)  
 ? *C. ammiospila* (Wahlenb. ex Ach.) H. Olivier (1909)  
 cirrochroa (Ach.) Th. Fr. (1871)

- citrina* (Hoffm.) Th. Fr. (1860)  
*C. citrina* f. *phlogina* (Ach.) D. Hawksw. (1969)  
*concilians* (Nyl.) H. Olivier (1909)  
*crenularia* (With.) Laundon (1984)  
*C. festiva* (Ach.) Zwackh (1864)  
\* *crenulatella* (Nyl.) H. Olivier (1909)  
*dalmatica* (Massal.) H. Olivier (1909)  
*C. schaeereri* (Arnold) Zahlbr. (1890)  
*C. velana* (Massal.) Du Rietz (1925)  
*decipiens* (Arnold) Blomb. & Forss. (1880)  
*ferruginea* (Huds.) Th. Fr. (1860)  
*flavescens* (Huds.) Laundon (1984)  
*C. heppiana* (Müll. Arg.) Zahlbr. (1890)  
*flavorubescens* (Huds.) Laundon (1976)  
*flavovirescens* (Wulfen) Dalla Torre & Sarnth. (1902)  
*granulosa* (Müll. Arg.) Jatta (1900)  
\* *haematites* (Chaub. ex St-Amans) Zwackh (1862)  
*herbidella* (Hue) Magnusson (1932)  
*holocarpa* (Hoffm.) Wade (1965)  
*C. furfuracea* sensu Wade (1965), non Magnusson (1944)  
\* *irrubescens* (Arnold) Zahlbr. (1898)  
*isidiigera* Vězda (1978)  
*C. cerina* var. *cyanopolia* (Nyl.) Zahlbr. (1930)  
? *C. chlorina* (Flotow) H. Olivier (1909)  
*lactea* (Massal.) Zahlbr. (1901)  
*littorea* Tavares (1956)  
*lucifuga* Thor (1988)  
*luteoalba* (Turner) Th. Fr. (1860)  
*marina* (Wedd.) Zahlbr. ex Du Rietz (1921)  
*microthallina* (Wedd.) Zahlbr. (1931)  
*nivalis* (Körber) Th. Fr. (1871)  
*obliterans* (Nyl.) Blomb & Forss. (1880)  
*obscurella* (Lahm ex Körber) Th. Fr. (1871)  
*C. sarcopisioides* (Körber) Zahlbr. (1901)  
*ochracea* (Schaerer) Flagey (1886)  
\* *pollinii* (Massal.) Jatta (1900)  
*ruderum* (Malbr.) Laundon (1976)  
*saxicola* (Hoffm.) Nordin (1972)  
*C. miniatula* (Nyl.) Zahlbr. (1931)  
*scopularis* (Nyl.) Lettau (1912)  
*teicholyta* (Ach.) Steiner (1895)  
*C. albolutescens* (Nyl.) H. Olivier (1909)  
*C. erythrocarpa* auct., non (Pers.) Zwackh (1862)  
*thallincola* (Wedd.) Du Rietz (1921)  
*ulcerosa* Coppins & P. James (1979)  
*variabilis* (Pers.) Müll. Arg. (1862)  
*verruculifera* (Vainio) Zahlbr. (1931)  
*virescens* (Sm.) Coppins (1980)

*C. chrysodeta* (Vainio ex Räsänen) Domb. (1970) and *C. xantholyta* (Nyl.) Jatta (1902) are included in *Leproplaca*.

**Candelaria** Massal. (1852)

concolor (Dickson) B. Stein (1879)

**Candelariella** Müll. Arg. (1894)

aurella (Hoffm.) Zahlbr. (1928)

aurella f. smaragdula Szat. (1931)

*C. aurella* f. *heidelbergensis* (Nyl.) P. James (1981)

coralliza (Nyl.) Magnusson (1935)

medians (Nyl.) A.L. Sm. (1918)

medians f. *steepholmensis* O. Gilbert (1981)

reflexa (Nyl.) Lettau (1912)

vitellina (Hoffm.) Müll. Arg. (1894)

vitellina f. *flavovirella* (Nyl.) A. Henderson (1981)

*C. flavovirella* (Nyl.) Lettau (1912)

xanthostigma (Ach.) Lettau (1912)

**Carbonea** (Hertel) Hertel (1983) [ $\pm$ L]

assimilis (Körber) Hafellner & Hertel (1987)

supersparsa (Nyl.) Hertel (1983) [LF]

*Lecidea supersparsa* Nyl. (1865)

vitellinaria (Nyl.) Hertel (1983) [LF]

*Lecidea vitellinaria* Nyl. (1852)

vorticosa (Flörke) Hertel (1983)

*Lecidea vorticosa* (Flörke) Körber (1855)

**Catapyrenium** Flotow (1850)

boccanum (Servit) Breuss (1990)

cinereum (Pers.) Körber (1855)

daedaleum (Krempelh.) B. Stein (1879)

lachneum (Ach.) R. Sant. (1980)

michelli (Massal.) R. Sant. (1980)

pilosellum Breuss (1990)

psoromoides (Borrer) R. Sant. (1980)

rufescens (Ach.) Breuss (1985)

squamulosum (Ach.) Breuss (1985)

*Dermatocarpon hepaticum* auct., non (Ach.) Th. Fr. (1860)

waltheri (Krempelh.) Körber (1855)

**Catillaria** Massal. (1852)

aphana (Nyl.) Coppins (1989)

*Lecidea aphana* Nyl. (1867)

atomarioides (Müll. Arg.) Kilius (1981)

atropurpurea (Schaerer) Th. Fr. (1874)

*Biatorina atropurpurea* (Schaerer) Massal. (1852)

*Catillaria atropurpurea* (Schaerer) Vězda & Poelt. (1981)

- chalybeia* (Borrer) Massal. (1852)  
*chalybeia* var. *chloropoliza* (Nyl.) Kilius (1981)  
*contristans* (Nyl.) Zahlbr. (1926)  
*globulosa* (Flörke) Th. Fr. (1874)  
*Bacidia globulosa* (Flörke) Hafellner & V. Wirth (1987)  
*laureri* Hepp ex Th. Fr. (1874)  
*Catinaria laureri* (Hepp ex Th. Fr.) Degel. (1941)  
*lenticularis* (Ach.) Th. Fr. (1874)  
*Lecania actea* (Nyl.) B. de Lesd. (1910)  
\* *minuta* (Massal.) Lettau (1912)  
*modesta* (Müll. Arg.) Coppins (1989)  
*Lecidea modesta* Müll. Arg. (1871)  
*neuschildii* (Körber) Th. Fr. (1874)  
*Biatorina neuschildii* Körber (1860)  
*Catinaria neuschildii* (Körber) P. James (1965)  
*nigroclavata* (Nyl.) Schuler (1902)  
\* *picila* (Massal.) Coppins (1989)  
*pulverea* (Borrer) Lettau (1912)  
*Catinaria pulverea* (Borrer) Vězda & Poelt (1981)  
*scotinodes* (Nyl.) Coppins (1989)  
*C. confusior* (Nyl.) Zahlbr. (1926)  
*Kiliasia scotinodes* (Nyl.) Coppins (1988)  
*Lecidea confusior* Nyl. (1874)  
*Lecidea scotinodes* Nyl. (1873)  
*subviridis* (Nyl.) Zahlbr. (1926)

- C. biformigera* (Leighton) Magnusson (1949) = *Tylothallia*  
*C. bouteillei* (Desm.) Zahlbr. (1902) = *Fellhanera*  
*C. chloroiza* (Nyl.) P. James (1965) = *Lecania*  
*C. episema* (Nyl.) H. Olivier (1905) = *Toninia*  
*C. intrusa* (Th. Fr.) Th. Fr. (1874) = *Micarea*  
*C. jejuna* (Nyl.) P. James (1965) = *Halecania*  
*C. littorella* auct. brit., non (Nyl.) Zahlbr. (1926) = *Lecania*  
*C. littorella* (Nyl.) Zahlbr. (1926), non auct. = *Fellhanera*  
*C. ooliticola* W. Watson (1935) = *Arthonia*  
*C. rhypodiza* (Nyl.) Zahlbr. (1926) = *Halecania*  
*C. sphaeroides* (Massal.) Schuler (1902) = *Biatora*  
*C. subnigrata* (Nyl.) Herre (1910) = *Micarea*  
*C. umbraticula* (Nyl.) P. James (1965) = *Lecania*.

*Catinaria* Vainio (1922) - see *Catillaria*.

For *Catinaria grossa* (Pers. ex Nyl.) Vainio (1922) see *Megalaria*.

**Catolechia** Flotow (1850)  
*wahlenbergii* (Ach.) Körber (1855)

**Cavernularia** Degel. (1938)  
*hultenii* Degel. (1938)



**Cecidonia** Triebel & Rambold (1988) [LF]

umbonella (Nyl.) Triebel & Rambold (1988) [LF]

*Lecidea umbonella* Nyl. (1866)

*Lecidea umbonata* auct. brit., non (Hepp) Mudd (1861)

xenophana (Körber) Triebel & Rambold (1988) [LF]

*Lecidea umbonella* var. *alumnula* (Nyl.) Hertel. (1970)

**Celothelium** Massal. (1860)

ischnobelum (Nyl.) M.B. Aguirre (1991)

*Leptorhaphis ischnobela* (Nyl.) Coppins (1980)

**Cetraria** Ach. (1803)

chlorophylla (Willd.) Vainio (1896)

commixta (Nyl.) Th. Fr. (1871)

delisei (Bory ex Schaerer) Nyl. (1866)

ericetorum Opiz (1852)

hepatizon (Ach.) Vainio (1899)

islandica (L.) Ach. (1803)

islandica subsp. *crispiformis* (Räsänen) Kärnef. (1979)

\* *juniperina* (L.) Ach. (1803)

*nivalis* (L.) Ach. (1803)

*pinastri* (Scop.) Gray (1821)

*sepincola* (Ehrh.) Ach. (1803)

**Cetrelia** Culb. & C. Culb. (1968)

olivetorum (Nyl.) Culb. & C. Culb. (1968)

*C. cetrarioides* (Del. ex Duby) Culb. & C. Culb. (1968)

*C. chichitae* Culb. & C. Culb. (1968)

*C. monochorum* (Zahlbr.) Culb. & C. Culb. (1968)

**Chaenotheca** (Th. Fr.) Th. Fr. (1860)

brachypoda (Ach.) Tibell (1987)

*C. sulphurea* (Retz) Middelb. & Mattsson (1987)

*Coniocybe sulphurea* (Retz) Nyl. (1886)

brunneola (Ach.) Müll. Arg. (1862)

chlorella (Ach.) Müll. Arg. (1862)

*C. carthusiae* (Harm.) Lettau (1912)

chrysocephala (Turner ex Ach.) Th. Fr. (1860)

ferruginea (Turner ex Ach.) Mig. (1930)

furfuracea (L.) Tibell. (1984)

*Coniocybe furfuracea* (L.) Ach. (1816)

gracilentata (Ach.) Mattsson & Middelb. (1987)

*Coniocybe gracilentata* (Ach.) Ach. (1816)

*Cybebe gracilentata* (Ach.) Tibell (1984)

hispidula (Ach.) Zahlbr. (1922)

laevigata Nád. (1934)

phaeocephala (Turner) Th. Fr. (1860)

stemonea (Ach.) Müll. Arg. (1862)

trichialis (Ach.) Th. Fr. (1860)  
xyloxena Nád. (1934)

**Chaenothecopsis** Vainio (1927) [ $\pm$ L]

caespitosa (Phillips) D. Hawksw. (1980) [F]  
\* debilis (Turner & Borrer ex Sm.) Tibell (1975) [F]  
epithallina Tibell (1975) [LF]  
nigra Tibell (1987)  
parasitaster (Bagl. & Car.) D. Hawksw. (1978) [LF]  
pusilla (Ach.) A. Schmidt (1970) [F]  
    *C. subpusilla* (Vainio) Tibell (1975)  
pusiola Ach.) Vainio (1927)  
    *C. lignicola* (Nád.) A. Schmidt (1970)  
? rubescens Vainio (1927)  
savonica (Räsänen) Tibell (1984)  
vainioana (Nád.) Tibell (1979)  
viridialba (Krempelh.) A. Schmidt (1970) [F]  
viridireagens (Nád.) A. Schmidt (1970) [LF]

**Chiodecton** Ach. (1814)

myrticola Fée (1825)  
? petraeum Delise ex Duby (1830)

**Chromatochlamys** Trev. (1860)

larbalestieri (A. L. Sm.) Mayrh. & Poelt (1985)  
    *Microglaena larbalestieri* A.L. Sm. (1911)  
muscorum (Fr.) Mayrh. & Poelt (1985)  
    *Microglaena muscorum* (Fr.) Th. Fr. (1860)  
muscorum var. octospora (Nyl.) Mayrh. & Poelt (1985)

**Chrysothrix** Mont. (1852)

candelaris (L.) Laundon (1981)  
chlorina (Ach.) Laundon (1981)  
chrysophthalma (P. James) P. James & Laundon (1981)

*Cladina* (Nyl.) Nyl. (1866) - see *Cladonia*.

**Cladonia** Hill ex Browne (1756)

arbuscula (Wallr.) Flotow (1839)  
    *C. arbuscula* subsp. *squarrosa* (Wallr.) Ruoss (1987)  
azorica Ahti (1961)  
bellidiflora (Ach.) Schaerer (1823)  
borealis Stenr. (1989)  
botrytes (Hagen) Willd. (1728)  
caespiticia (Pers.) Flörke (1828)  
cariosa (Ach.) Sprengel (1827)  
carneola (Fr.) Fr. (1831)  
cenotea (Ach.) Schaerer (1823)

- cervicornis (Ach.) Flotow (1849)  
  *C. cervicornis* subsp. *pulvinata* (Sandst.) Ahti (1983)  
cervicornis subsp. *verticillata* (Hoffm.) Ahti (1980)  
chlorophaea (Flörke ex Sommerf.) Sprengel (1827)  
  *C. asahinae* J.W. Thomson (1976)  
  *C. cryptochlorophaea* Asah. (1940)  
  *C. grayi* G.K. Merrill ex Sandst. (1929)  
  *C. merochlorophaea* Asah. (1940)  
  *C. merochlorophaea* var. *novochlorophaea* Sipman (1973)  
ciliata Stirton (1888)  
ciliata var. *tenuis* (Flörke) Ahti (1977)  
coccifera (L.) Willd. (1787)  
coniocraea (Flörke) Sprengel (1827)  
conista A.W. Evans (1930)  
convoluta (Lam.) Cout. (1913)  
cornuta (L.) Hoffm. (1791)  
crispata (Delise) Vainio (1887)  
crispata var. *cetrariiformis* (Delise) Vainio (1887)  
cyathomorpha Stirton ex W. Watson (1935)  
deformis (L.) Hoffm. (1796)  
digitata (L.) Hoffm. (1796)  
diversa Asperges (1983)  
fimbriata (L.) Fr. (1831)  
firma (Nyl.) Nyl. (1861)  
floerkeana (Fr.) Flörke (1828)  
foliacea (Huds.) Willd. (1787)  
fragilissima Østh. & P. James (1977)  
furcata (Huds.) Schrader (1794)  
glauca Flörke (1828)  
gracilis (L.) Willd. (1787)  
humilis (With.) Laundon (1984)  
  *C. conoidea* Ahti (1980)  
incrassata Flörke (1826)  
luteoalba Wheldon & A. Wilson (1907)  
macilenta Hoffm. (1796)  
  *C. bacillaris* (Leighton) Arnold (1880)  
macrophylla (Schaerer) Stenhammar (1865)  
maxima (Asah.) Ahti (1978)  
mediterranea Duvign. & des Abb. (1947)  
metacorallifera Asah. (1939)  
mitis Sandst. (1918)  
  *Cladina mitis* (Sandst.) Hustich (1951)  
  ? *C. arbuscula* subsp. *mitis* (Sandst.) Ruoss (1987)  
norvegica Tønsh. & Holien (1984)  
ochrochlora Flörke (1828)  
parasitica (Hoffm.) Hoffm. (1796)

- peziziformis (With.) Laundon (1984)  
*C. capitata* (Michaux) Sprengel (1827)  
 phyllophora Hoffm. (1796)  
 pleurota (Flörke) Schaerer (1850)  
 pocillum (Ach.) O.J. Rich (1878)  
*C. pyxidata* subsp. *pocillum* (Ach.) Dahl (1950)  
 polydactyla (Flörke) Sprengel (1827)  
 polydactyla var. *umbricola* (Tønsb. & Ahti) Coppins (1993)  
*C. umbricola* Tønsb. & Ahti (1980)  
 portentosa (Dufour) Coem. (1865)  
*C. portentosa* f. *subimpexa* (Duvign.) Ahti (1978)  
 pyxidata (L.) Hoffm. (1796)  
 ramulosa (With.) Laundon (1984)  
*C. anomaea* (Ach.) Ahti & P. James (1980)  
 rangiferina (L.) Weber ex Wigg. (1780)  
 rangiformis Hoffm. (1796)  
 rei Schaerer (1823)  
 scabriuscula (Delise) Nyl. (1876)  
 squamosa (Scop.) Hoffm. (1796)  
 squamosa var. *subsquamosa* (Nyl. & Leighton) Vainio (1881)  
 \* *stellaris* (Opiz) Pouzar & Vězda (1971)  
 stereoclada des Abb. (1946)  
 strepsilis (Ach.) Vainio (1894)  
 stricta (Nyl.) Nyl. (1869)  
 stygia (Fr.) Ruoss (1985)  
 subcervicornis (Vainio) Kernst. (1900)  
 subrangiformis Sandst. (1924)  
*C. furcata* subsp. *subrangiformis* (Scriba ex Sandst.) Pišút (1961)  
 subulata (L.) Weber ex Wigg. (1780)  
 sulphurina (Michaux) Fr. (1831)  
 symphycarpa (Ach.) Fr. (1826)  
 uncialis (L.) Weber ex Wigg. (1780)  
 uncialis subsp. *biuncialis* (Hoffm.) M. Choisy (1951)  
 zopfii Vainio (1920)

Literature: Stenroos (1989a, 1989b).

*Clathroporina* Müll. Arg. (1882) - see *Belonia*.

*Claurouxia* D. Hawksw. (1988)

*chalybeioides* (Nyl.) D. Hawksw. (1988)

*Lecidea chalybeioides* Nyl. (1875)

*Pseudolecidea chalybeioides* (Nyl.) Clauz. & Roux (1984)

*Clauzadea* Hafellner & Bellem. (1984)

*immersa* (Hoffm.) Hafellner & Bellem. (1984)

*Lecidea immersa* (Hoffm.) Ach. (1803)

- metzleri (Körber) Clauz. & Roux ex D. Hawksw. (1992)  
*Lecidea metzleri* (Körber) Th. Fr. (1874)  
 monticola (Ach.) Hafellner & Bellem. (1984)  
*Lecidea monticola* (Ach.) Schaerer (1833)
- Clauzadeana** Roux (1984)  
 macula (Taylor) Coppins & Rambold (1989)  
*Aspicilia morioides* Blomb. ex Arnold (1881)  
*Clauzadeana instratula* (Nyl.) Roux (1984)  
*Lecidea instratula* Nyl. (1878)  
*Lecidea macula* Taylor (1836)  
*Lecidea pissodes* Stirton (1877)
- Cliostomum** Fr. (1825)  
 corrugatum (Ach.) Fr. (1831)  
*C. graniforme* (Hagen) Coppins (1980)  
 griffithii (Sm.) Coppins (1980)
- Coccotrema** Müll. Arg. (1888)  
 citrinescens P. James & Coppins (1992)
- Coelocaulon** Link (1833)  
 aculeatum (Schreber) Link (1833)  
 muricatum (Ach.) Laundon (1984)
- Collema** Weber ex Wigg. (1780)  
 auriforme (With.) Coppins & Laundon (1984)  
*C. auriculatum* Hoffm. (1796)  
 bachmanianum (Fink) Degel. (1954)  
 callopismum Massal. (1856)  
 callopismum var. rhyarodes (Nyl.) Degel. (1954)  
 ceranicum Nyl. (1865)  
 confertum Arnold (1867)  
 \* conglomeratum Hoffm. (1796)  
 crispum (Huds.) Weber ex Wigg. (1780)  
 crispum var. metzleri (Arnold) Degel. (1954)  
 cristatum (L.) Weber ex Wigg. (1780)  
 cristatum var. marginale (Huds.) Degel. (1954)  
 dichotomum (With.) Coppins & Laundon (1984)  
*fluviatile* (Huds.) Steudel (1824)  
 fasciculare (L.) Weber ex Wigg. (1780)  
 flaccidum (Ach.) Ach. (1810)  
 fragile Taylor (1836)  
 fragrans (Sm.) Ach. (1814)  
 furfuraceum (Arnold) Du Rietz (1929)  
 fuscovirens (With.) Laundon (1984)  
*C. tuniforme* (Ach.) Ach. (1810)  
 glebulentum (Nyl. ex. Crombie) Degel. (1952)

latzelii Zahlbr. (1909)  
 limosum (Ach.) Ach. (1810)  
 multipartitum Sm. (1814)  
 nigrescens (Huds.) DC. (1805)  
 occultatum Bagl. (1861)  
 parvum Degel. (1954)  
 polycarpon Hoffm. (1796)  
 subflaccidum Degel. (1974)  
 subnigrescens Degel. (1954)  
 tenax (Swartz) Ach. (1810)  
 tenax var. ceranoides (Borrer) Degel. (1954)  
 tenax var. corallinum (Massal.) Degel. (1954)  
 tenax var. vulgare (Schreber) Degel. (1954)  
 undulatum Laurer ex Flotow. (1850)  
 undulatum var. granulosum Degel. (1954)

**Coniocybe** Ach. (1816)

*C. furfuracea* (L.) Ach. (1816) = *Chaenotheca*  
*C. gracilentata* Ach. (1816) = *Chaenotheca*  
*C. pallida* (Pers.) Fr. (1824) = *Sclerophora*  
*C. peronella* (Ach.) Tibell (1978) = *Sclerophora*.

**Coriscium** Vainio (1890) - see *Omphalina*.

**Cornicularia** (Schreber) Hoffm. (1794)  
 normoerica (Gunn.) Du Rietz (1926)

**Cryptolechia** Massal. (1853)  
 carneolutea (Turner) Massal. (1853)

**Cryptothele** Th. Fr. (1860)  
 \* *rhodosticta* (Taylor) Henssen (1990)

**Cyphelium** Ach. (1815)  
 inquinans (Sm.) Trevisan (1862)  
 marcianum B. de Lesd. (1908)  
 notarisii (Tul.) Blomb. & Forss. (1880)  
 sessile (Pers.) Trevisan (1862)  
 tigillare (Ach.) Ach. (1815)

**Cystocoleus** Thwaites (1849)  
 ebeneus (Dillwyn) Thwaites (1849)  
*C. niger* (Huds.) Hariot (1890)

**Degelia** Arvidsson & D. Galloway (1981)  
 atlantica (Degel.) P.M. Jørg. & P. James (1990)  
*Parmeliella atlantica* Degel. (1935)  
 ligulata P.M. Jørg & P. James (1990)

- plumbea (Lightf.) P.M. Jørg. & P. James (1990)
- Parmeliella plumbea* (Lightf.) Vainio (1890)

*Dendriscoaulon* Nyl. (1888) - see *Lobaria*.

**Dermatocarpon** Eschw (1924)

- arnoldianum Degel. (1934)
- intestiniforme (Körber) Hasse (1912)
- ? leptophylloides (Nyl.) Zahlbr. (1922)
- leptophyllum (Ach.) G. Lång (1912)
- luridum (With.) Laundon (1984)
- D. weberi* (Ach.) Mann (1825)
- meiophyllizum Vainio (1921)
- miniaturum (L.) Mann (1825)
- miniaturum var. complicatum (Lightf.) Hellbom (1870)
- rivulorum (Arnold) Dalla Torre & Sarnth. (1902)

*D. hepaticum* auct., non (Ach.) Th. Fr. (1860) = *Catapyrenium*.

**Dictyonema** C. Ag. (1821)

- interruptum (Carm. ex Hook.) Parm. (1978)

**Dimerella** Trevisan (1880)

- lutea (Dickson) Trevisan (1880)
- pineti (Ach.) Vězda (1975)
- D. diluta* (Pers.) Trevisan (1880)

**Diploicia** Massal. (1852)

- canescens (Dickson) Massal. (1852)

**Diploschistes** Norman (1853)

- caesioplumbeus (Nyl.) Vainio (1921)
- gypsaceus (Ach.) Zahlbr. (1892)
- muscorum (Scop.) R. Sant. (1980)
- D. scruposus* var. *bryophilous* (Ehrh. ex Ach.) Müll. Arg. (1892)
- scruposus (Schreber) Norman (1853)

**Diplotomma** Flotow (1849)

- alboatrum (Hoffm.) Flotow (1849)
- Buellia geophila* auct. brit., non (Flörke ex Sommerf.) Lynge (1937)
- chlorophaeum (Hepp ex Leighton) Szat. (1956)
- epipolium (Ach.) Arnold (1869)
- murorum (Massal.) Coppins (1980)

**Dirina** Fr. (1825)

- massiliensis Durieu & Mont. (1847)
- D. repanda* (Fr.) Nyl. (1836)

- massiliensis f. *sorediata* (Müll. Arg.) Tehler (1983)  
*D. repanda* f. *stenhammarii* (Fr. ex Stenhammar) Clauz. & Roux (1975)

*Discosiella* H. Sydow & Sydow (1912) - see *Strigula*.

- Eiglera** Hafellner (1984)  
*flavida* (Hepp) Hafellner (1984)  
*Aspicilia flavida* (Hepp) Rehm (1863)

**Encephalographa** Massal. (1854) - see *Poeltinula*.  
*E. interjecta* (Leighton) Th. Fr. (1874) is included in *Melaspilea*.

- Endocarpon** Hedwig (1789)  
*adscendens* (Anzi) Müll. Arg. (1881)  
 \* *pusillum* Hedwig (1789)  
 \* *pusillum* var. *pallidum* (Ach.) Körber (1855)

- Enterographa** Fée (1824)  
*crassa* (DC.) Fée (1824)  
*elaborata* (Lyell ex Leighton) Coppins & P. James (1979)  
*hutchinsiae* (Leighton) Massal. (1860)  
*sorediata* Coppins & P. James (1979)  
*zonata* (Körber) Källsten (1989)  
*Opegrapha zonata* Körber (1855)

- Eopyrenula** R. Harris (1973)  
*avellanae* Coppins (1992)  
*grandicula* Coppins (1992)  
*leucoplaca* (Wallr.) R. Harris (1973)  
*septemseptata* Coppins (1992)

- Ephebe** Fr. (1825)  
*hispidula* (Ach.) Horwood (1913)  
*lanata* (L.) Vainio (1888)

- Epigloea** Zukai (1890)  
*grummannii* Döbbeler (1984)  
*E. bactrospora* auct. brit., non Zukai (1889)  
*medioincrassata* (Grumm.) Döbbeler (1984)  
*Vorarlbergia medioincrassata* Grumm. (1969)  
*soleiformis* Döbbeler (1984)

- Epilichen** Clem. (1909)  
*scabrosus* (Ach.) Clem. (1909)

- Euopsis** Nyl. (1875)  
*granatina* (Sommerf.) Nyl. (1875)  
*Pyrenopsis granatina* (Sommerf.) Nyl. (1866)



pulvinata (Schaerer) Vainio (1881)  
*Pyrenopsis pulvinata* (Schaerer) Th. Fr. (1866)

**Evernia** Ach. (1810)  
 prunastri (L.) Ach. (1810)  
*E. prunastri* f. *herinii* (Duvign.) D. Hawksw. (1980)

**Farnoldia** Hertel (1983)  
 jurana (Schaerer) Hertel (1983)  
*Melanolecia jurana* (Schaerer) Hertel (1981)  
*Tremolecia jurana* (Schaerer) Hertel (1977)

**Fellhanera** Vězda (1986)  
 bouteillei (Desm.) Vězda (1986)  
*Catillaria bouteillei* (Desm.) Zahlbr. (1902)  
 subtilis (Vězda) Diederich & Sérusiaux (1991)  
*Bacidia subtilis* Vězda (1961)

*F. vezdae* (Coppins & P. James) V. Wirth (1987) = *Bacidia*.

**Flavoparmelia** Hale (1986) - see *Parmelia*.

**Foraminella** Fricke Meyer (1982) - see *Parmeliopsis*.

**Fulgensia** Massal. & de Not. (1855)  
 bracteata (Hoffm.) Räsänen (1931) var. *alpina* (Th. Fr.) Räsänen (1943)  
 fulgens (Swartz) Elenkin (1907)

**Fuscidea** V. Wirth & Vězda (1972)  
 arboricola Coppins & Tønnsb. (1992)  
 austera (Nyl.) P. James (1980)  
 ? *F. taeniarum* (Malme) V. Wirth & Vězda (1972)  
 cyathoides (Ach.) V. Wirth & Vězda (1972)  
*F. cyathoides* var. *corticola* (Fr.) Kalb (1976)  
 cyathoides var. *sorediata* (Magnusson) Poelt (1978)  
 gothoburgensis (Magnusson) V. Wirth & Vězda (1972)  
*F. gothoburgensis* f. *maculosa* (Magnusson) Poelt (1981)  
 hibernica P. James & Poelt (1992)  
 intercincta (Nyl.) Poelt (1978)  
*F. atlantica* (Magnusson) P. James & Poelt (1981)  
 kochiana (Hepp) V. Wirth & Vězda (1972)  
 lightfootii (Sm.) Coppins & P. James (1978)  
 lugubris (Sommerf.) P. James & Purvis (1992)  
*Ropalospora lugubris* (Sommerf.) Poelt (1980)  
 lygaea (Ach.) V. Wirth & Vězda (1972)  
*F. periplaca* (Nyl.) V. Wirth & Vězda (1972)  
*F. tenebrica* (Nyl.) V. Wirth & Vězda (1972)  
 mollis (Wahlenb.) V. Wirth & Vězda (1972)

- praeruptorum (Du Rietz & Magnusson) V. Wirth & Vězda (1972)  
 pusilla Tønsb. (1992)  
 recens (Stirton) Hertel, V. Wirth & Vězda (1972)  
 viridis Tønsb. (1984)  
     *Ropalospora viridis* (Tønsb.) Tønsb. (1992)
- Geltingia** Alstrup & D. Hawksw. (1990) [LF]  
     *associata* (Th. Fr.) Alstrup & D. Hawksw. (1990) [LF]  
     *Lecidea associata* Th. Fr. (1867)  
     *groenlandiae* Alstrup & D. Hawksw. (1990) [LF]
- Gerronema* Singer (1951) - see *Omphalina*.
- Glaucomaria* M. Choisy (1929) - see *Lecanora*.
- Gomphillus** Nyl. (1853)  
     *calycioides* (Del.) Nyl. (1853)
- Graphina** Müll. Arg. (1880)  
     *anguina* (Mont.) Müll. Arg. (1882)  
     *pauciloculata* Coppins & P. James (1978)  
     *ruiziana* (Fée) Müll. Arg. (1887)
- Graphis** Adans. (1763)  
     *alboscipita* Coppins & P. James (1992)  
     *elegans* (Borrer ex Sm.) Ach. (1814)  
     *scripta* (L.) Ach. (1809)
- Gyalecta** Ach. (1808)  
     *biformis* (Körber) H. Olivier (1911)  
     *derivata* (Nyl.) H. Olivier (1911)  
         *G. truncigena* var. *derivata* (Nyl.) Boistel (1903)  
     *flotowii* Körber (1855)  
     *foveolaris* (Ach.) Schaerer (1836)  
     *geoica* (Wahlenb.) Ach. (1808)  
     *jenensis* (Batsch) Zahlbr. (1924)  
     *jenensis* var. *macrospora* Vězda (1969)  
     *truncigena* (Ach.) Hepp (1853)  
     *ulmi* (Swartz) Zahlbr. (1905)
- Gyalidea** Lettau (1937)  
     *diaphana* (Körber ex Nyl.) Vězda (1978)  
     *fritzei* (Stein) Vězda (1966)  
     *hyalinescens* (Nyl.) Vězda (1966)  
     *lecideopsis* (Massal.) Lettau ex Vězda (1966)  
     *roseola* (Arnold) Lettau ex Vězda (1966)  
     *subscutellaris* (Vězda) Vězda (1966)

**Gyalideopsis** Vězda (1972)

- anastomosans P. James & Vězda (1972)  
 muscicola P. James & Vězda (1972)  
 scotica P. James (1975)

**Haematomma** Massal. (1852)

- leprarioides (Vainio) Vainio (1934)  
 ochroleucum (Necker) Laundon (1970)  
 ochroleucum var. porphyrium (Pers.) Laundon (1970)

*H. caesium* Coppins & P. James (1978) = *Mycoblastus*.

*H. elatinum* (Ach.) Massal. (1854) = *Loxospora*

*H. lapponica* Räsänen (1931) = *Ophioparma*

*H. ventosum* (L.) Massal. (1852) = *Ophioparma*.

**Hafellia** Kalb, Mayrh. & Scheid. (1986) - see *Buellia*.

**Halecania** M. Mayrh. (1987)

- alpivaga (Th. Fr.) M. Mayrh. (1987)  
*Lecania alpivaga* Th. Fr. (1871)  
 ralfsii (Salwey) M. Mayrh. (1987)  
*Catillaria jejuna* (Nyl.) P. James (1965)  
*Lecania ralfsii* (Salwey) A.L. Sm. (1918)  
*Lecidea muddii* Salwey ex Mudd. (1853)  
 rhypodiza (Nyl.) Coppins (1989)  
*Catillaria rhypodiza* (Nyl.) Zahlbr. (1926)  
 spodomela (Nyl.) M. Mayrh. (1987)  
*Lecania spodomela* (Nyl.) A.L. Sm. (1918)  
*Lecidea nigrificans* Nyl. (1876)  
 viridescens Coppins & P. James (1989)

**Herteliana** P. James (1980)

- taylorii (Salwey) P. James (1980)

**Heterodermia** Trevisan (1868)

- isidiophora (Vainio) Awasthi (1973)  
 leucomelos (L.) Poelt (1965)  
 obscurata (Nyl.) Trevisan (1869)  
 propagulifera (Vainio) Day (1977)

**Hullia** Zahlbr. (1930) - see *Porpidia*.

*H. consentiens* (Nyl.) Hertel (1980) is included in *Amygdalaria*.

**Hymenelia** Krempelh. (1852)

- lacustris (With.) M. Choisy (1949)  
 prevostii (Duby) Krempelh. (1852)

**Hyperphyscia** Müll. Arg. (1894)

adglutinata (Flörke) Mayrh. &amp; Poelt (1979)

*Physciopsis adglutinata* (Flörke) M. Choisy (1950)**Hypocenomyce** M. Choisy (1951)

anthracophila (Nyl.) P. James &amp; G. Schneider (1980)

caradocensis (Leighton ex Nyl.) P. James &amp; G. Schneider (1980)

friesii (Ach.) P. James &amp; G. Schneider (1980)

leucococca R. Sant. (1986)

scalaris (Ach. ex Lilj.) M. Choisy (1951)

sorophora (Vainio) P. James &amp; Poelt (1981)

xanthococca (Sommerf.) P. James &amp; G. Schneider (1980)

**Hypogymnia** (Nyl.) Nyl. (1896)

bitteriana (Zahlbr.) Räsänen (1947)

intestiniformis (Vill.) Räsänen (1943)

physodes (L.) Nyl. (1896)

tubulosa (Schaerer) Havaas (1918)

**Hypotrachyna** (Vainio) Hale (1974) - see *Parmelia*.**Icmadophila** Trevisan (1852)

ericetorum (L.) Zahlbr. (1895)

**Immersaria** Rambold & Pietschmann (1989)

athroocarpa (Ach.) Rambold &amp; Pietschm. (1989)

*Lecidea athroocarpa* (Ach.) Ach. (1803)*Porpidia athroocarpa* (Ach.) Hertel & Rambold (1985)**Imshaugia** S. Meyer (1985)

aleurites (Ach.) S. Meyer (1985)

*Parmeliopsis aleurites* (Ach.) Nyl. (1866)**Ionaspis** Th. Fr. (1871)

cyanocarpa (Anzi) Jatta (1910)

epulotica (Ach.) Arnold (1871)

*I. epulotica* var. *crustosa* Magnusson (1933)*I. rhodopsis* (Sommerf.) Blomb. & Forss. (1880)

heteromorpha (Krempelh.) Arnold (1874)

melanocarpa (Krempelh.) Arnold (1887)

odora (Ach.) B. Stein (1879)

suaveolens (Schaerer) Arnold (1874)

**Japewia** Tønsb. (1990)

carrollii (Coppins &amp; P. James) Tønsb. (1990)

*Lecidea carrollii* Coppins & P. James (1979)*Lecidea rufofusca* auct. brit., non (Anzi) Nyl. (1869)*Lecidea tenebricosa* auct. brit., non (Ach.) Nyl. (1861)

- subaurifera Muhr & Tønsb. (1990)  
 tornoensis (Nyl.) Tønsb. (1990)  
*Lecidea tornoensis* Nyl. (1859)  
*Mycoblastus tornoensis* (Nyl.) R. Anderson (1974)

- Julella** Fabre (1879)  
 sericea (Massal.) Coppins (1992)  
*Polyblastiopsis sericea* (Massal.) Zahlbr. (1903)

*Kiliasia* Hafellner (1984) - see *Catillaria*.

- Koerberiella** B. Stein (1879)  
 wimmeriana (Körber) B. Stein (1879)  
*Aspicilia leucophyma* (Leighton) Hue (1912)

- Lasallia** Mérat (1821)  
 pustulata (L.) Mérat (1821)

- Lauderlindsaya** J.C. David & D. Hawksw. (1989) (±L)  
 borrieri (L.R. Tulasne) J.C. David & D. Hawksw. (1989) [LF]  
 chlorococca (Leighton) Diederich & Sérusiaux (1993)  
*L. erichsenii* (Keissler) Diederich & Sérusiaux (1991)  
*Normandina erichsenii* (Keissler) Aptroot (1991)  
*Sphaerulina chlorococca* (Leighton) R. Sant. (1976)

**Literature:** Diederich & Sérusiaux (1993)

- Lecanactis** Fr. (1825)  
 abietina (Ach.) Körber (1855)  
 abscondita (Th. Fr.) Lojka (1874)  
 amylicca (Ehrh. ex Pers.) Arnold (1880)  
 dilleniana (Ach.) Körber (1855)  
 grumulosa (Dufour) Fr. (1831)  
*L. delimis* (Nyl.) A.L. Sm. (1911)  
*L. mirifica* (Stirton) A.L. Sm. (1926)  
*L. monstrosa* Bagl. (1857)  
*L. nothiza* (Nyl.) P. James (1980)  
 hemisphaerica Laundon (1976)  
 latebrarum (Ach.) Arnold (1885)  
 lyncea (Sm.) Fr. (1831)  
*Opegrapha lyncea* (Sm.) Borrer ex Hook. (1833)  
 premnea (Ach.) Arnold (1861)  
*L. plocina* auct., non (Ach.) Massal (1860)  
 subabietina Coppins & P. James (1979)

- L. umbrina* Coppins & P. James (1979) = *Schismatomna*  
*L. homalotropa* (Nyl.) Gilenstam (1969) = *Bactrospora*.

**Lecania** Massal. (1853)

- aipospila (Wahlenb.) Th. Fr. (1867)  
 atrynoides Knowles (1913)  
 baeomma (Nyl.) P. James & Laundon (1980)  
 chlorotiza (Nyl.) P. James (1992)  
     *Catillaria chlorotiza* (Nyl.) P. James (1965)  
 \* coeruleorubella (Mudd) M. Mayrh. (1988)  
 coerulescens Mudd (1861)  
 cuprea (Massal.) v.d. Boom & Coppins (1992)  
     *Bacidia cuprea* (Massal.) Lettau (1912)  
     *Catillaria umbraticula* (Nyl.) P. James (1965)  
 cyrtella (Ach.) Th. Fr. (1871)  
     *Lecania sambucina* (Körber) Arnold (1884)  
 cyrtellina (Nyl.) Sandst. (1912)  
     *Lecidea albohyalina* auct. brit., non (Nyl.) Th. Fr. (1875)  
     *Lecidea meiocarpa* auct. brit., non Nyl. (1876)  
 erysibe (Ach.) Mudd (1861)  
     *Lecania erysibe* f. *sorediata* Laundon (1967)  
 \* fuscella (Schaerer) Körber (1855)  
 hutchinsiae (Nyl.) A. L. Sm. (1918)  
     *Catillaria littorella* auct. brit., non (Nyl.) Zahlbr. (1926)  
 inundata (Hepp ex Körber) M. Mayrh. (1987)  
 nylanderiana Massal. (1856)  
 \* olivacella (Nyl.) Zahlbr. (1928)  
 rabenhorstii (Hepp) Arnold (1848)  
 suavis (Müll. Arg.) Mig. (1926)  
 sylvestris (Arnold) Arnold (1884)  
 turicensis (Hepp) Müll. Arg. (1862)  
     *Lecania albartella* (Nyl.) Müll. Arg. (1880)

- L. alpivaga* Th. Fr. (1871) = *Halecania*  
*L. helicopsis* (Wahlenb.) Clauz. & Roux (1985) = *Lecanora*  
*L. ralfsii* (Salwey) A.L. Sm. (1918) = *Halecania*  
*L. spodomela* (Nyl.) A.L. Sm. (1918) = *Halecania*  
*L. actea* (Nyl.) B. de Lesd. (1910) = *Catillaria*.

**Lecanora** Ach. (1810)

- achariana A.L. Sm. (1918)  
 actophila Wedd. (1875)  
 agardhiana Ach. (1814)  
 aitema (Ach.) Hepp (1853)  
 ? aitema var. *saepincola* (Ach.) Hedl. (1892)  
 albescens (Hoffm.) Branth & Rostrup (1869)  
 alboflavida Taylor (1836)  
 andrewii B. de Lesd. (1913)  
 argentata (Ach.) Malme (1897)  
     *L. subfuscata* Magnusson (1932)  
 atrosulphurea (Wahlenb.) Ach. (1814)

- cadubriae (Massal.) Hedl. (1892)  
*Lecidea cadubriae* (Massal.) Th. Fr. (1874)  
 caesiosora Poelt (1966)  
 campestris (Schaerer) Hue (1888)  
 campestris subsp. dolomitica O.L. Gilbert (1984)  
 carpinea (L.) Vainio (1888)  
 cenisia Ach. (1810)  
 cenisia var. soledians Suza (1928)  
 chlorotera Nyl. (1872)  
 chlorophaeodes Nyl. (1873)  
 cinereofusca Magnusson (1932)  
 conferta (Duby ex Fr.) Grognot (1863)  
 confusa Almb. (1955)  
 \* congesta Clauz. & Vězda (1969)  
 conizaeoides Nyl. ex Crombie (1885)  
 crenulata Hook. (1833)  
 dispersa (L.) Sommerf. (1826)  
 epanora (Ach.) Ach. (1810)  
 epibryon (Ach.) Ach. (1810)  
 expallens Ach. (1810)  
 farinaria Borrer (1834)  
 frustulosa (Dickson) Ach. (1810)  
 fugiens Nyl. (1873)  
 \* fuscescens (Sommerf.) Nyl. (1871)  
*Lecidea fuscescens* Sommerf. (1824)  
 gangaleoides Nyl. (1872)  
 gisleriana Müll. Arg. (1874)  
*L. gisleri* Poelt & Ullrich (1964)  
 handelii Steiner (1909)  
 helicopsis (Wahlenb.) Ach. (1814)  
*Lecania helicopsis* (Wahlenb.) Clauz. & Roux (1985)  
 horiza (Ach.) Lindsay (1869)  
*Lecanora parisiensis* Nyl. (1866)  
 intricata (Ach.) Ach. (1810)  
 intumescens (Rebent.) Rabenh. (1845)  
 jamesii Laundon (1963)  
 laevis Poelt (1952)  
 leptacina Sommerf. (1826)  
 marginata (Schaerer) Hertel & Rambold (1985)  
*Lecidea marginata* Schaerer (1818)  
 mughicola Nyl. (1872)  
 muralis (Schreber) Rabenh. (1845)  
 orosthea (Ach.) Ach. (1810)  
*Lecidea orosthea* (Ach.) Ach. (1803)  
 pallida (Schreber) Rabenh. (1845), non Chevall. (1826)  
*Lecanora albella* (Pers.) Ach. (1810)  
 persimilis (Th. Fr.) Nyl. (1876)  
 piniperda Körber (1859)

- poliophaea (Wahlenb.) Ach. (1810)  
 \* populicola (DC.) Duby (1830)  
 polytropa (Hoffm.) Rabenh. (1845)  
 praepostera Nyl. (1873)  
   ? *L. schistina* (Nyl.) Nyl. ex Crombie (1894)  
 \* pruinosa Chaub. (1821)  
 pulicaris (Pers.) Ach. (1814)  
 quercicola Coppins & P. James (1979)  
 rugosella Zahlbr. (1928)  
 rupicola (L.) Zahlbr. (1928)  
   *Aspicilia lindsayi* W. Watson (1939)  
 rupicola var. efflorens Leuckert & Poelt (1989)  
   *L. rupicola* f. *sorediata* (Flotow) Zahlbr. (1928)  
 saligna (Schrader) Zahlbr. (1928)  
 salina Magnusson (1926)  
 sambuci (Pers.) Nyl. (1861)  
 sarcopisoides (Massal.) A.L. Sm. (1918)  
 soralifera (Suza) Räsänen (1931)  
 stenotropa Nyl. (1872)  
 straminea Wahlenb. ex Ach. (1810)  
 strobilina (Sprengel) Kieffer (1895)  
 subaurea Zahlbr. (1928)  
 subcarnea (Lilj.) Ach. (1810)  
 subintricata (Nyl.) Th. Fr. (1871)  
 sublivescens (Nyl. ex Crombie) A.L. Sm. (1918)  
   *Lecidea sublivescens* (Nyl. ex Crombie) P. James (1965)  
 sulphurea (Hoffm.) Ach. (1810)  
   *Lecidea sulphurea* (Hoffm.) Wahlenb. (1812)  
 swartzii (Ach.) Ach. (1810)  
   *L. radiosa* var. *karelica* Räsänen (1934)  
   *L. subradiosa* Nyl. (1872)  
 symmicta (Ach.) Ach. (1814)  
 tenera (Nyl.) Crombie (1874)  
 varia (Hoffm.) Ach. (1810)

- L. atra* Huds. Ach. (1810) = *Tephromela*  
*L. atriseda* (Fr.) Nyl. (1857) = *Protoparmelia*  
*L. badia* (Hoffm.) Ach. (1810) = *Protoparmelia*  
*L. contracta* (Th. Fr.) Zahlbr. (1928) = *Rimularia*  
*L. curvescens* (Mudd) Nyl. (1865) = *Bryonora*  
*L. grumosa* (Pers.) Du Rietz (1926) = *Tephromela*  
*L. intercedens* Magnusson (1930) = *Rimularia*  
*L. nitens* auct., non Ach. (1814) = *Protoparmelia*  
*L. ochrococca* (Nyl.) Clauz. & Roux (1985) = *Protoparmelia*  
*L. oleagina* Harm. (1913) = *Protoparmelia*  
*L. picea* (Dickson) Nyl. (1986) = *Protoparmelia*  
*L. psarophana* Nyl. (1872) = *Protoparmelia*.



*Lecanoropsis* M. Choisy (1949) - see *Lecanora*.

**Lecidea** Ach. (1803)

- \* *advertens* Nyl. (1866)
- ahlesii* (Körber) Nyl. (1872)
- L. valentior* Nyl. (1877)
- antilogia* Stirton (1877)
- auriculata* Th. Fr. (1861)
- berengeriana* (Massal.) Nyl. (1866)
- botryosa* (Fr.) Th. Fr. (1874)
- brachyspora* (Th. Fr.) Nyl. (1887)
- caesioatra* Schaerer (1818)
- ? *cetrariicola* Lindsay (1869) [LF]
- \* *commaculans* Nyl. (1868)
- confluens* (Web.) Ach. (1803)
- diducens* Nyl. (1865)
- L. auriculata* var. *diducens* (Nyl.) Th. Fr. (1874)
- doliiformis* Coppins & P. James (1992)
- endomelaena* Leighton (1876)
- erythrophaea* Flörke (1826)
- L. hyalinella* (Körber) Jatta (1889)
- exigua* Chaub. (1821)
- fuliginosa* Taylor (1836)
- fuscoatra* (L.) Ach. (1803)
- L. fuscoatra* var. *grisella* (Flörke ex Schaerer) Nyl. (1856)
- hypnorum* Lib. (1853)
- hypopta* Ach. (1803)
- inops* Th. Fr. (1874)
- insidiosa* Th. Fr. (1868)
- lactea* Flörke ex Schaerer (1828)
- L. demolita* auct. brit., non Vainio (1934)
- L. lapicida* var. *lactea* (Flörke ex Schaerer) V. Wirth (1987)
- lapicida* (Ach.) Ach. (1803)
- L. contiguella* Nyl. (1873)
- L. luteoatra* Nyl. (1873)
- L. subcinerascens* auct. brit., non Nyl. (1877)
- lichenicola* (A.L. Sm. & Ramsb.) D. Hawksw. (1978)
- ? *L. obsoleta* Nyl. (1865)
- limosa* Ach. (1810)
- L. stenotera* auct. brit., non (Nyl.) Nyl. (1866)
- lithophila* (Ach.) Ach. (1814)
- matildae* Magnusson (1956)
- nigrogrisea* Nyl. (1879)
- nylanderii* (Anzi) Th. Fr. (1874)
- \* *paraclitica* Nyl. (1872)
- paupercula* Th. Fr. (1874)
- pernigra* Hertel (1975)
- phaeops* Nyl. (1858)

plana (Lahm) Nyl. (1872)  
 polycarpella Erichsen (1929)  
 pycnocarpa (Körber) Ohlert (1870)  
   *L. segregans* Nyl. (1866)  
   *L. tabidula* Nyl. (1867)  
 pycnocarpa f. *sorediata* Coppins & Fryday (1992)  
 sanguineoatra auct., non (Wulfen) Ach. (1803)  
 sarcogynoides Körber (1855)  
 silacea (Ach.) Ach. (1803)  
 turgidula Fr. (1824)

*L. aeruginosa* Borrer (1831) = *Trapeliopsis*  
*L. aglaea* Sommerf. (1826) = *Tephromela*  
*L. albohyalina* auct. brit., non (Nyl.) Th. Fr. (1875) = *Lecania*  
*L. aphan* Nyl. (1867) = *Catillaria*  
*L. aphanoides* Nyl. (1868) = *Micarea*  
*L. armeniaca* (DC.) Fr. (1825) = *Tephromela*  
*L. assimilata* Nyl. (1861) = *Micarea*  
*L. associata* Th. Fr. (1867) = *Geltlingia*  
*L. athroocarpa* (Ach.) Ach. (1803) = *Immersaria*  
*L. atrofulva* Sommerf. (1826) = *Miriquidica*  
*L. botryiza* Nyl. ex Stirton (1873) = *Micarea*  
*L. cadubriae* (Massal.) Th. Fr. (1874) = *Lecanora*  
*L. carrollii* Coppins & P. James (1979) = *Japewia*  
*L. chalybeoides* Nyl. (1875) = *Claurouxia*  
*L. cinnabarina* auct. brit. p.p., non Sommerf. (1823) = *Pertusaria*  
*L. confusior* Nyl. (1874) = *Catillaria*  
*L. cuprea* Sommerf. (1826) = *Biatora*  
*L. dotosa* (Nyl.) Vainio (1983) = *Lecidella*  
*L. efflorescens* (Hedl.) Erichsen (1932) = *Biatora*  
*L. epixanthoidiza* auct., non Nyl. (1875) = *Biatora*  
*L. erratica* Körber (1861) = *Micarea*  
*L. furvella* Nyl. ex Mudd (1861) = *Rimularia*  
*L. fuscescens* Sommerf. (1824) = *Lecanora*  
*L. fuscocinerea* auct., non Nyl. (1852) = *Rimularia*  
*L. fuscocinerea* Nyl. (1852), non auct. brit. = *Schaereria*  
*L. gelatinosa* Flörke (1809) = *Trapeliopsis*  
*L. granulosa* (Hoffm.) Ach. (1803) = *Trapeliopsis*  
*L. griseoatra* (Flotow) Schaerer (1850) = *Miriquidica*  
*L. grumosa* Leighton (1876) = *Agyrium*  
*L. gyrizans* Nyl. (1861) = *Rimularia*  
*L. gyrophorica* Tønsb. (1992) = *Biatora*  
*L. humigena* Taylor (1847) = *Aphanopsis*  
*L. illita* Nyl. (1879) = *Rimularia*  
*L. immersa* (Hoffm.) Ach. (1803) = *Clauzadea*  
*L. inquinans* (Tul.) Nyl. (1856) = *Micarea*  
*L. insularis* Nyl. (1852) = *Rimularia*  
*L. instratula* Nyl. (1878) = *Clauzadeana*

- L. leucophaea* (Flörke ex Rabenh.) Nyl. (1870) = *Miriquidica*  
*L. limborina* (Nyl.) Lamy (1878) = *Rimularia*  
*L. lulensis* Hellbom (1866) = *Miriquidica*  
*L. macula* Taylor (1836) = *Clauzadeana*  
*L. marginata* Schaerer (1818) = *Lecanora*  
*L. meiocarpa* auct. brit., non Nyl. (1876) = *Lecania*  
*L. melaphana* Nyl. (1869) = *Micarea*  
*L. metzleri* (Körber) Th. Fr. (1874) = *Clauzadea*  
*L. modesta* Müll. Arg. (1871) = *Canillaria*  
*L. monticola* (Ach.) Schaerer (1833) = *Clauzadea*  
*L. muddii* Salwey ex Mudd. (1853) = *Halecania*  
*L. mullensis* Stirton (1877) = *Rimularia*  
*L. nigrificans* Nyl. (1876) = *Halecania*  
*L. nigroglomerata* Leighton ex Crombie (1871) = *Lecidella*  
*L. nigroleprosa* (Vainio) Magnusson (1927) = *Miriquidica*  
*L. ochrocoeca* Nyl. (1860) = *Protoparmelia*  
*L. oligotropha* Laundon (1960) = *Placynthiella*  
*L. orosthea* (Ach.) Ach. (1803) = *Lecanora*  
*L. pedatula* Nyl. (1876) = *Lepraria*  
*L. pilati* (Hepp) Körber (1861) = *Adelolecia*  
*L. pissodes* Stirton (1877) = *Farnoldia*  
*L. punctum* (Massal.) Jatta (1900) = *Phaeopyxis*  
*L. rhizobola* Nyl. (1865) = *Acarospora*  
*L. rufofusca* auct. brit., non (Anzi) Nyl. (1869) = *Japewia*  
*L. rusticella* Nyl. (1878) = *Micarea*  
*L. scotinodes* Nyl. (1873) = *Canillaria*  
*L. speirea* (Ach.) Ach. (1803) = *Porpidia*  
*L. subgyratula* Nyl. (1873) = *Rimularia*  
*L. sublivescens* (Nyl. ex Crombie) P. James (1965) = *Lecanora*  
*L. submoestula* Nyl. (1876) = *Micarea*  
*L. subplumbea* Anzi (1868) = *Miriquidica*  
*L. sulphurea* (Hoffm.) Wahlenb. (1812) = *Lecanora*  
*L. supersparsa* Nyl. (1865) = *Carbonea*  
*L. tenebricosa* auct. brit., non (Ach.) Nyl. (1861) = *Japewia*  
*L. tornoensis* Nyl. (1859) = *Japewia*  
*L. uliginascens* Stirton (1878) = *Placynthiella*  
*L. uliginosa* (Schrader) Ach. (1803) = *Placynthiella*  
*L. umbonata* auct. brit., non (Hepp) Mudd (1861) = *Cecidonia*  
*L. umbonella* Nyl. (1866) = *Cecidonia*  
*L. umbonella* var. *alumnula* (Nyl.) Hertel (1970) = *Cecidonia*  
*L. vernalis* (L.) Ach. (1803) = *Biatora*  
*L. viridescens* (Schrader) Ach. (1803) = *Trapeliopsis*  
*L. vitellinaria* Nyl. (1852) = *Carbonea*  
*L. vorticosa* (Flörke) Körber (1855) = *Carbonea*.

**Lecidella** Körber (1855)

- anomaloides (Massal.) Hertel & Kiliias (1980)  
 asema (Nyl.) Knoph & Hertel (1990)  
*L. subincongrua* (Nyl.) Hertel & Leuckert (1969)  
*L. effugiens* (B. Nils.) Knoph & Hertel (1990)  
*L. elaeochromoides* (Nyl.) Knoph & Hertel (1990)  
*L. polyantha* Taylor ex Leighton (1879)  
 bullata Körber (1861)  
*Lecidea nigroglomerata* Leighton ex Crombie (1871)  
 carpathica Körber (1865)  
 elaeochroma (Ach.) M. Choisy (1950)  
 elaeochroma f. soralifera (Erichsen) D. Hawksw. (1972)  
 meiococca (Nyl.) Leuckert & Hertel (1990)  
*Lecidea meiococca* Nyl. (1876)  
*Lecidella prasinula* auct., non (Wedd.) Hertel (1980)  
 \* pulveracea (Schaerer) H. Sydow (1887)  
 scabra (Taylor) Hertel & Leuckert (1969)  
*Lecidella prasinula* (Wedd.) Hertel (1980), non auct.  
 stigmatea (Ach.) Hertel & Leuckert (1969)  
 viridans (Flotow) Körber (1855)  
 wulfenii (Hepp) Körber (1861)

**Lecidoma** G. Schneider & Hertel (1981)

- demissum (Rutström) G. Schneider & Hertel (1981)

**Lemmopsis** (Vainio) Zahlbr. (1906)

- arnoldiana (Hepp) Zahlbr. (1906)  
 ? oblongans (Nyl. ex Crombie) A.L. Sm. (1918)

*L. leptogiella* (Nyl.) A.L. Sm. (1918) = *Porocyphus*.

**Lempholemma** Körber (1855)

- botryosum (Massal.) Zahlbr. (1924)  
 chalazanum (Ach.) B. de Lesd. (1910)  
 cladodes (Tuck.) Zahlbr. (1924)  
*L. albonigrum* Magnusson (1946)  
 intricatum (Arnold) Zahlbr. (1924)  
*L. fennicum* (Räsänen) Degel. (1946)  
 polyanthes (Bernh.) Malme (1918)  
 ? *L. chalazanellum* (Nyl.) Zahlbr. (1924)  
 ? *L. chalazanodes* (Nyl.) Zahlbr. (1924)  
*L. myriococcum* (Ach.) Th. Fr. (1861)  
 radiatum (Sommerf.) Henssen (1968)

**Lepraria** Ach. (1803)

- caesioalba (B. de Lesd.) Laundon (1992)  
*L. zonata* Brodo (1968)  
 crassissima (Hue) Lettau (1958)

eburnea Laundon (1992)  
 frigida Laundon (1992)  
 incana (L.) Ach. (1803)  
 jackii Tønsb. (1992)  
 lesdainii (Hue) R. Harris (1987)  
 lobificans Nyl. (1873)  
     *L. finkii* (B. de Lesd. ex Hue) R. Harris (1985)  
 neglecta (Nyl.) Lettau (1958)  
     ? *Lecidea pedatula* Nyl. (1876)  
 nivalis Laundon (1992)  
     *L. crassissima* auct. p.p., non (Hue) Lettau (1958)  
 ? rigidula (Hue) Tønsb. (1992)  
 umbricola Tønsb. (1992)

*L. membranacea* (Dickson) Vainio (1921) = *Leproloma*.

**Leprocaulon** Nyl. ex Lamy (1878)  
     microscopicum (Vill.) Gams ex D. Hawksw. (1974)

**Leproloma** Nyl. ex Crombie (1894)  
     cacuminum (Massal.) Laundon (1992)  
     *L. angardianum* (Øvstedal) Laundon (1989)  
     diffusum Laundon (1989)  
     diffusum var. *chrysodetoides* Laundon (1989)  
     membranaceum (Dickson) Vainio (1899)  
     *Lepraria membranacea* (Dickson) Vainio (1921)  
     vouauxii (Hue) Laundon (1989)

**Leproplaca** (Nyl.) Harm. (1900)  
     chrysodeta (Vainio ex Räsänen) Laundon (1974)  
     *Caloplaca chrysodeta* (Vainio ex Räsänen) Dombr. (1970)  
     xantholyta (Nyl.) Harm. (1900)  
     *Caloplaca xantholyta* (Nyl.) Jatta (1902)

**Leptogium** (Ach.) Gray (1821)  
     biatorinum (Nyl.) Leighton (1879)  
     *L. byssinum* auct. brit., non (Hoffm.) Zwackh ex Nyl. (1856)  
     *L. cretaceum* (Sm.) Nyl. (1855)  
     brebissonii Mont. (1840)  
     britannicum P.M. Jørg. & P. James (1983)  
     burgessii (L.) Mont. (1840)  
     byssinum (Hoffm.) Zwackh ex Nyl. (1856)  
     cochleatum (Dickson) P.M. Jørg. & P. James (1983)  
     *L. azureum* auct. brit., non (Swartz) Mont. (1840)  
     corniculatum (Hoffm.) Minks (1873)  
     coralloideum (Meyen & Flotow) Vainio (1921)  
     *L. palmatum* (Huds.) Mont. (1846)  
     cyanescens (Rabenh.) Körber (1855)

- diffractum Krempelh. ex Körber (1865)  
 gelatinosum (With.) Laundon (1984)  
*L. sinuatum* (Huds.) Massal. (1853)  
 hibernicum Mitchell ex P.M. Jørg. (1973)  
 \* hildenbrandii (Garov.) Nyl. (1856)  
 imbricatum P.M. Jørg. in ed. (1993)  
 intermedium (Arnold) Arnold (1885)  
 juressianum C. Tav. (1950)  
 lichenoides (L.) Zahlbr. (1924)  
 massiliense Nyl. (1879)  
 plicatile (Ach.) Leighton (1879)  
 saturninum (Dickson) Nyl. (1856)  
 schraderi (Ach.) Nyl. (1856)  
 subtile (Schrader) Torss. (1843)  
 tenuissimum (Dickson) Körber (1855)  
*L. humosum* Nyl. (1858)  
 teretiusculum (Wallr.) Arnold (1892)  
 turgidum (Ach.) Crombie (1870)

Literature: Jørgensen (1993)

- Leptorhaphis** Körber (1855) [F]  
 atomaria (Ach.) Szat. (1928) [F]  
 epidermidis (Ach.) Th. Fr. (1860) [F]  
 maggiana (Massal.) Körber (1865) [F]

*L. ischnobela* (Nyl.) Coppins (1980) = *Celothelium*.

- Leucocarpia** Vězda (1969)  
 biatorella (Arnold) Vězda (1969)

- Leucocarpopsis** G. Salisb. (1975)  
 devensis G. Salisb. (1975)

- Lichenothelia** D. Hawksw. (1981) [F]  
 convexa Henssen (1987) [F]

- Lichina** Agardh (1817)  
 confinis (Müller) Agardh (1821)  
 pygmaea (Lightf.) Agardh (1821)

- Lichenodium** Nyl. (1875)  
 sirosiphoideum Nyl. (1875)

- Lithographa** Nyl. (1857)  
 tesserata (DC.) Nyl. (1857)

- Lobaria** (Schreber) Hoffm. (1796)  
 amplissima (Scop.) Forss. (1883)  
*Dendriscoaulon umhausense* (Auersw.) Degel. (1942) [blue-green  
 photosymbiodeme]  
 pulmonaria (L.) Hoffm. (1796)  
 scrobiculata (Scop.) DC. (1805)  
 virens (With.) Laundon (1984)  
*L. laetevirens* Zahlbr. (1906)
- Lopadium** Körber (1855)  
 coralloideum (Nyl.) Lyngé (1940)  
 disciforme (Flot.) Kullh. (1870)  
 pezizoideum (Ach.) Körber (1855)
- Loxospora** Massal. (1852)  
 elatina (Ach.) Massal. (1852)  
*Haematomma elatinum* (Ach.) Massal. (1854)
- Macentina** Vězda (1973)  
 abscondita Coppins & Vězda (1977)  
 stigonemoides A. Orange (1989)
- M. aurantiaca* McCarthy & Vězda (1985) = *Nectria pseudopeziza*.
- Massalongia** Körber (1855)  
 carnosa (Dickson) Körber (1855)
- Megalaria** Hafellner (1984)  
 grossa (Pers. ex Nyl.) Hafellner (1984)  
*Catinaria grossa* (Pers. ex Nyl.) Vainio (1922)
- Megalospora** Meyen (1843)  
 tuberculosa (Fée) Sipman (1983)  
*Bombyliospora pachycarpa* auct., non (Delise ex Duby) Massal. (1852)
- Megaspora** (Clauz. & Roux) Hafellner & V. Wirth (1987)  
 verrucosa (Ach.) Hafellner & Wirth (1987)  
*Pachyospora verrucosa* (Ach.) Massal. (1852)
- Melanelia** Esslinger (1978) - see *Parmelia*.
- Melanolecia** Hertel in Poelt & Vězda (1981) - see *Farnoldia*.
- Melaspilea** Nyl. (1856) [±L]  
 \* amota Nyl. (1867)  
 atroides Coppins (1992)  
 \* diplasiospora (Nyl.) Müll. Arg. (1887)  
 granitophila (Th. Fr.) Coppins (1989)

- Arthonia granitophila* Th. Fr. (1865)  
*M. subarenacea* J. Nowak & Kiszka (1974)  
*interjecta* (Leighton) A.L. Sm. (1911)  
*Encephalographa interjecta* (Leighton) Th. Fr. (1874)  
 \* *leciographoides* Vouaux (1913) [LF]  
*lentiginosa* (Lyell ex Leighton) Müll. Arg. (1887) [LF]  
*lentiginosula* (Nyl.) A.L. Sm. (1911) [F]  
*ochrothalamia* Nyl. (1865)  
*proximella* Nyl. ex Norrlin (1873) [F]

- Menegazzia** Massal. (1854)  
*terebrata* (Hoffm.) Massal. (1854)

- Micarea** Fr. (1825)  
*adnata* Coppins (1983)  
*alabastrites* (Nyl.) Coppins (1982)  
*assimilata* (Nyl.) Coppins (1983)  
*Lecidea assimilata* Nyl. (1861)  
*bauschiana* (Körber) V. Wirth, & Vězda (1976)  
*Lecidea rusticella* Nyl. (1878)  
*botryoides* (Nyl.) Coppins (1980)  
*cinerea* (Schaerer) Hedl. (1892)  
*Bacidia carneoalbans* (Nyl.) A.L. Sm. (1911)  
*Hastifera tenuispora* D. Hawksw. & Poelt (1986) [anamorph]  
*contexta* Hedl. (1892)  
*coppinsii* Tønsb. (1992)  
*crassipes* (Th. Fr.) Coppins (1983)  
*Helocarpon crassipes* Th. Fr. (1860)  
*denigrata* (Fr.) Hedl. (1892)  
*erratica* (Körber) Hertel, Rambold & Pietschm. (1989)  
*Lecidea erratica* Körber (1861)  
*Lecidea tephrizans* Leighton (1876)  
*excipulata* Coppins (1988)  
*globulosella* (Nyl.) Coppins (1983)  
*M. bacidiella* sensu Vězda, non (Vainio) Vězda (1976)  
*granulans* (Vainio) Timdal (1991)  
*M. subleprosula* (Vězda) Vězda (1976)  
*hedlundii* Coppins (1983)  
*incrassata* Hedl. (1892)  
*inquinans* (Tul.) Coppins (1992)  
*Lecidea inquinans* (Tul.) Nyl. (1856)  
*intrusa* (Th. Fr.) Coppins & Kiliás (1983)  
*Catillaria intrusa* (Th. Fr.) Th. Fr. (1874)  
*Lecidea aphanoides* Nyl. (1868)  
*Lecidea melaphana* Nyl. (1869)  
*leprosula* (Th. Fr.) Coppins & A. Fletcher (1975)  
*lignaria* (Ach.) Hedl. (1892)  
*lignaria* var. *endoleuca* (Leighton) Coppins (1983)



- lignaria* f. *gomphillacea* (Nyl.) Hedl. (1892)  
*lithinella* (Nyl.) Hedl. (1892)  
*lutulata* (Nyl.) Coppins (1980)  
*Lecidea botryiza* Nyl. ex Stirton (1873)  
*melaena* (Nyl.) Hedl. (1892)  
*misella* (Nyl.) Hedl. (1892)  
*myriocarpa* V. Wirth & Vězda ex Coppins (1983)  
*nigella* Coppins (1983)  
*nitschkeana* (Lahm ex Rabenh.) Harm. (1899)  
*olivacea* Coppins (1983)  
*pelioearpa* (Anzi) Coppins & R. Sant. (1979)  
*prasina* Fr. (1825)  
*M. subviridescens* (Nyl.) Hedl. (1892)  
*pseudomarginata* Coppins (1988)  
*pycniophora* Coppins & P. James (1979)  
*stipitata* Coppins & P. James (1979)  
*submoestula* (Nyl.) Coppins (1992)  
*Lecidea submoestula* Nyl. (1876)  
*subnigrata* (Nyl.) Coppins & Kilius (1980)  
*Catillaria subnigrata* (Nyl.) Herre (1910)  
*Micarea confusula* (Nyl.) Hedl. (1892)  
*subviolascens* (Magnusson) Coppins (1983)  
*sylvicola* (Flotow) Vězda & V. Wirth (1976)  
*synotheoides* (Nyl.) Coppins (1982)  
*ternaria* (Nyl.) Vězda (1970)  
*tuberculata* (Sommerf.) R. Anderson (1974)  
*turfosa* (Massal.) Du Rietz (1923)  
*viridiatra* Coppins (1985)

*M. clavulifera* (Nyl.) Coppins & P. James (1980) = *Psilotechia*.

**Microcalicium** Vainio (1927) [F/LF]

- ahlneri* Tibell (1978) [F]  
*arenarium* (Hampe ex Massal.) Tibell (1978) [LF]  
*disseminatum* (Ach.) Vainio (1927) [F]  
*M. subpedicillatum* (Schaerer) Tibell (1978)

**Microglæna** Körber (1855)

- M. corrossa* (Körber) Arnold (1877) = *Protothelenella*  
*M. larbalesnieri* A.L. Sm. (1911) = *Chromatochlamys*  
*M. leucothelia* (Anzi) Arnold (1870) = *Protothelenella*  
*M. modesta* (Nyl.) A.L. Sm. (1911) = *Thelenella*  
*M. muscorum* (Fr.) Th. Fr. (1860) = *Chromatochlamys*  
*M. sphinctrinoidella* (Nyl.) Arnold (1870) = *Protothelenella*  
*M. sphinctrinoides* (Nyl.) Lönnr. (1858) = *Protothelenella*.

**Microthelia** Körber (1855) - see *Mycomicrothelia*.

**Miriquidica** Hertel & Rambold (1987)

- atrofulva (Sommerf.) Rambold & Schwab (1990)
- Lecidea atrofulva* Sommerf. (1826)
- complanata (Körber) Hertel & Rambold (1987)
- Aspicilia complanata* (Körber) B. Stein (1879)
- Aspicilia superiuscula* (Nyl.) Hue (1912)
- garovaglii (Schaerer) Hertel & Rambold (1987)
- griseoatra (Flotow) Hertel & Rambold (1987)
- Lecidea griseoatra* (Flotow) Schaerer (1850)
- ? *Lecidea subplumbea* Anzi (1868)
- leucophaea (Rabenh.) Hertel & Rambold (1987)
- Lecidea leucophaea* (Rabenh.) Nyl. (1870)
- lulensis (Hellbom) Hertel & Rambold (1987)
- Lecidea lulensis* Hellbom (1866)
- nigroleprosa (Vainio) Hertel & Rambold (1987)
- Lecidea nigroleprosa* (Vainio) Magnusson (1927)

**Mniacea** Boud. (1885) [F]

- jungermanniae (Nees ex Fr.) Boud. (1906) [F]
- nivea (Crouan) Boud. (1907) [F]

**Moelleropsis** Gyelnik (1940)

- humida (Kullh.) Coppins & P.M. Jørg. (1993)
- Biatora humida* Kullh. (1871)
- nebulosa (Hoffm.) Gyelnik (1904)

**Mosigia** Fr. (1845) - see *Rimularia*.**Multiclavula** R.H. Petersen (1967)

- vernalis (Schw.) R.H. Petersen (1967)

**Mycobilimbia** Rehm (1890) - see *Biatora*.**Mycoblastus** Norman (1852)

- affinis (Schaerer) Schauer (1964)
- alpinus (Fr.) Kernst. (1893)
- caesius (Coppins & P. James) Tønsb. (1992)
- Haematomma caesium* Coppins & P. James (1978)
- fucatus (Stirton) Zahlbr. (1926)
- sanguinarius (L.) Norman (1853)
- sanguinarius f. leprosus Nádv. (1951)
- sterilis Coppins & P. James (1979)

*M. tornoensis* (Nyl.) R. Anderson (1974) = *Japewia*.

**Mycocalicium** Vainio (1890) [F]

- subtile (Pers.) Szat. (1925) [F]

**Mycoglaena** Höhnelt (1909) [F]

acuminans (Nyl.) Vainio (1921) [F]

myricae (Nyl.) R. Harris (1973) [F]

**Mycomicrothelia** Keissler (1936) [ $\pm$ L]

atlantica D. Hawksw. &amp; Coppins (1985) [F]

confusa D. Hawksw. (1985)

*Microthelia micula* auct. brit., non Körber (1855)

wallrothii (Hepp) D. Hawksw. (1980) [F]

**Mycoporum** Flotow ex Nyl. (1855) [F]

hippocastani (DC.) Coppins (1979) [F]

quercus (Massal.) Müll. Arg. (1882) [F]

**Neofuscelia** Esslinger (1978) - see *Parmelia*.**Nephroma** Ach. (1810)

arcticum (L.) Torss. (1843)

\* helveticum Ach. (1810)

laevigatum Ach. (1814)

parile (Ach.) Ach. (1810)

\* resupinatum (L.) Ach. (1810)

tangeriense (Maheu and A. Gillet) Zahlbr. (1932)

**Normandina** Nyl. (1855)

pulchella (Borrer) Nyl. (1861)

**Ochrolechia** Massal. (1852)

androgyna (Hoffm.) Arnold (1885)

frigida (Swartz) Lyngby (1928)

? *O. lapuensis* (Vainio in Räsänen) Räsänen (1931)? *O. frigida* f. *lapuensis* (Vainio) Coppins (1981)

inaequatula (Ny.) Zahlbr. (1913)

inversa (Nyl.) Laundon (1963)

microstictoides Räsänen (1936)

parella (L.) Massal. (1852)

subviridis (Hoeg) Erichsen (1930)

szatalaënsis Vers. (1958)

*O. pallescens* auct. brit. p.p., non (L.) Massal. (1853)

tartarea (L.) Massal. (1852)

turneri (Sm.) Hasselrot (1945)

*O. geminipara* (Th. Fr.) Vainio (1881) = *Pertusaria*.

**Omphalina** Quélet (1886) [ $\pm$ L]

- cupulatoides P.D. Orton (1977) [LF]
- ericetorum (Fr.) M. Lange ex H. Bigelow (1970)
- Botrydina vulgaris* Bréb. (1839)
- ? *O. fulvopallens* P.D. Orton (1984)
- griseopallida (Desm.) Quélet (1886)
- hudsoniana (Jennings) H. Bigelow (1970)
- Coriscium viride* (Ach.) Vainio (1890)
- O. luteolilacina* (Favre) Henderson (1958)
- luteovitellina (Pilát & Nannf.) M. Lange (1957)
- pararustica Cléménçon (1982)
- pseudoandrosacea (Bull.) Moser (1967)
- velutina (Quélet) Quélet (1886)
- O. grisella* (Weinm.) Moser (1953)

**Opegrapha** Humb. (1793) [ $\pm$ L]

- areniseda Nyl. (1875)
- O. actophila* Nyl. (1880)
- atra Pers. (1794)
- brevis Coppins (1987) [LF]
- cesareensis Nyl. (1868)
- O. hysteriiformis* Nyl. (1876)
- corticola Coppins & P. James (1979)
- demutata Nyl. (1879)
- dolomitica (Arnold) Clauzade & Roux (1989)
- O. saxicola* auct., non Ach. (1814)
- fumosa Coppins & P. James (1992)
- gyrocarpa Flotow (1825)
- herbarum Mont. (1833)
- ? *O. protuberans* Zahlbr. (1932)
- lithyrga Ach. (1810)
- ? monspeliensis Nyl. (1857) [LF]
- mougeotii Massal. (1853)
- multipuncta Coppins & P. James (1992)
- niveoatra (Borrer) Laundon (1963)
- O. dubia* Leighton ex Arnold (1861)
- ochrocheila Nyl. (1865)
- parasitica (Massal.) H. Olivier (1906) [LF]
- O. persoonii* (Ach.) Chevall. (1822), nom. illegit.
- ? = *O. rupestris* Pers. (1794)
- paraxanthodes Nyl. (1879)
- pertusariicola Coppins & P. James (1979) [LF]
- physciaria (Nyl.) D. Hawksw. & Coppins (1992) [LF]
- prosodea Ach. (1803)
- pulvinata Rehm (1869) [LF]
- ? rubefacta Räsänen (1946)
- rufescens Pers. (1794)

- saxatilis auct., non DC. (1805)  
 ? *O. calcarea* Turner ex Sm. (1807)  
 ? *O. chevallieri* Leighton (1854)  
 ? *O. conferta* Anzi (1862)  
 saxicola auct., non Ach. (1814)  
 saxigena Tayl. (1836)  
 sorendiifera P. James (1962)  
 subelevata Nyl. (1888)  
 thelotrematis Coppins (1984) [LF]  
 varia Pers. (1794)  
   *O. atrula* Nyl. (1877)  
   *O. diaphora* (Ach.) Ach. (1803)  
   *O. lichenoides* Pers. (1794)  
   *O. rimalis* Ach. (1809)  
 vermicellifera (Kunze) Laundon (1963)  
 viridis (Ach.) Nyl. (1861)  
 vulgata (Ach.) Ach. (1803)  
   *O. cinerera* Chevall. (1822)  
 xerica Torrente & Gea (1992)

- O. lyncea* (Sm.) Borrer ex Hook. (1833) = *Lecanactis*  
*O. zonata* Körber (1855) = *Enterographa*.

**Ophioparma** Norman (1853)

- ventosum (L.) Norman (1853)  
   *Haematomma ventosum* (L.) Massal. (1852)

**Orphniospora** Körber (1874)

- moriopsis (Massal.) D. Hawksw. (1982)  
   *O. atrata* (Sm.) Poelt (1972)  
 moriopsis var. *brunnea* (A.L. Sm) D. Hawksw. (1982)  
   *O. atrata* var. *brunnea* (A.L. Sm.) Poelt (1980)

**Pachyphiale** Lönnr. (1858)

- carneola (Ach.) Arnold (1871)  
   *P. cornea* (Ach.) Poetsch (1872)  
 fagicola (Hepp) Zwackh (1862)

*Pachyospora* auct., non Massal. (1852) - see *Megaspora*.

**Pannaria** Delise (1828)

- conoplea (Ach.) Bory (1828)  
 hookeri (Borrer ex Sm.) Nyl. (1857)  
 ignobilis Anzi (1862)  
 leucophaea (Vahl) P.M. Jørg. (1978)  
 mediterranea C. Tav. (1965)  
 pezizoides (Weber) Trevisan (1869)

praetermissa Nyl. (1858)

*Parmeliella praetermissa* (Nyl.) P. James (1965)

rubiginosa (Ach.) Bory (1828)

sampaiana C. Tav. (1950)

**Parmelia** Ach. (1803)

acetabulum (Necker) Duby (1830)

*Pleurosticta acetabulum* (Necker) Elix & Lumbsch (1988)

arnoldii Du Rietz (1924)

*Parmotrema arnoldii* (Du Rietz) Hale (1974)

borreri (Sm.) Turner (1807)

*Punctelia borreri* (Sm.) Krog (1982)

britannica D. Hawksw. & P. James (1973)

caperata (L.) Ach. (1803)

*Flavoparmelia caperata* (L.) Hale (1986)

conspersa (Ehrh. ex Ach.) Ach. (1803)

*Xanthoparmelia conspersa* (Ehrh. ex Ach.) Hale (1974)

crinita Ach. (1814)

*Parmotrema crinitum* (Ach.) M. Choisy (1952)

delisei (Duby) Nyl. (1872)

*Neofuscelia delisei* (Duby) Essl. (1978)

discordans Nyl. (1886)

*P. omphalodes* subsp. *discordans* (Nyl.) Skult (1984)

disjuncta Erichsen (1939)

*Melanelia disjuncta* (Erichsen) Essl. (1978)

elegantula (Zahlbr.) Szat. (1930)

*Melanelia elegantula* (Zahlbr.) Essl. (1978)

endochlora Leighton (1871)

*Hypotrachyna endochlora* (Leighton) Hale (1975)

exasperata de Not. (1847)

*Melanelia exasperata* Essl. (1978)

exasperatula Nyl. (1873)

*Melanelia exasperatula* (Nyl.) Essl. (1978)

glabratula (Lamy) Nyl. (1883)

*Melanelia glabratula* (Lamy) Essl. (1978)

glabratula subsp. *fuliginosa* (Fr. ex Duby) Laundon (1965)

horrescens Taylor (1836)

*Parmelinopsis horrescens* (Taylor) Elix & Hale (1987)

incurva (Pers.) Fr. (1826)

*Arctoparmelia incurva* (Pers.) Hale (1986)

laciniatula (H. Olivier) Zahlbr. (1916)

*Melanelia laciniatula* (H. Olivier) Essl. (1978)

laevigata (Sm.) Ach. (1814)

*Hypotrachyna laevigata* (Sm.) Hale (1975)

loxodes Nyl. (1872)

*Neofuscelia loxodes* (Nyl.) Essl. (1978)

minarum Vainio (1890)

*Parmelinopsis minarum* (Vainio) Elix & Hale (1987)

- mougeotii Schaerer ex D. Dietr. (1846)  
*Xanthoparmelia mougeotii* (Schaerer ex D. Dietr.) Hale (1974)  
omphalodes (L.) Ach. (1803)  
pastillifera (Harm.) R. Schubert & Klem. (1966)  
*Parmelina pastillifera* (Harm.) Hale (1976)  
perlata (Huds.) Ach. (1803)  
*P. coniocarpa* Laurer (1827)  
*Parmotrema chinense* (Osbeck) Hale and Ahti (1986)  
protomatrae Gyelnik (1931)  
*Xanthoparmelia protomatrae* (Gyelnik) Hale (1974)  
pulla Ach. (1814)  
*Neofuscelia pulla* (Ach.) Essl. (1978)  
quercina (Willd.) Vainio (1899)  
*Parmelina quercina* (Willd) Hale (1974)  
reddenda Stirton (1877)  
*Punctelia reddenda* (Stirton) Krog (1982)  
reticulata Taylor (1836)  
*Parmotrema reticulatum* (Taylor) M. Choisy (1952)  
*Rimelia reticulata* (Taylor) Hale & A. Fletcher (1990)  
revoluta Flörke (1827)  
*Hypotrachyna revoluta* (Flörke) Hale (1975)  
robusta Degel. (1941)  
*Parmotrema robustum* (Degel.) Hale (1974)  
saxatilis (L.) Ach. (1801)  
septentrionalis (Lyngé) Ahti (1966)  
*Melanelia septentrionalis* (Lyngé) Essl. (1978)  
sinuosa (Sm.) Ach. (1814)  
*Hypotrachyna sinuosa* (Sm.) Hale (1975)  
soredians Nyl. (1872)  
*Flavoparmelia soredians* (Nyl.) Hale (1986)  
stygia (L.) Ach. (1803)  
*Melanelia stygia* (L.) Essl. (1978)  
subargentifera Nyl. (1875)  
*Melanelia subargentifera* (Nyl.) Essl. (1978)  
subaurifera Nyl. (1873)  
*Melanelia subaurifera* (Nyl.) Essl. (1978)  
submontana Nadv. ex Hale (1987)  
subrudecta Nyl. (1888)  
*Punctelia subrudecta* (Nyl.) Krog (1982)  
sulcata Taylor (1836)  
taylorensis M. Mitchell (1961)  
*Hypotrachyna taylorensis* (M. Mitchell) Hale (1974)  
tiliacea (Hoffm.) Ach. (1803)  
*Parmelina tiliacea* (Hoffm.) Hale (1974)  
tinctina Maheu & A. Gillet (1925)  
*Xanthoparmelia tinctina* (Maheu & A. Gillet) Hale (1974)  
verruculifera Nyl. (1878)  
*Neofuscelia verruculifera* (Nyl.) Essl. (1978)

**Parmeliella** Müll. Arg. (1862)  
*jamesii* S. Ahlner & P.M. Jørg. (1978)  
*testacea* P.M. Jørg. (1978)  
*triptophylla* (Ach.) Müll. Arg. (1862)

*P. atlantica* Degel. (1935) = *Degelia*  
*P. plumbea* (Lightf.) Vainio (1890) = *Degelia*  
*P. praetermissa* (Nyl.) P. James (1965) = *Pannaria*

*Parmelina* Hale (1974) - see *Parmelia*.

*Parmelinopsis* Elix & Hale (1987) - see *Parmelia*.

**Parmeliopsis** (Nyl.) Nyl. (1866)  
*ambigua* (Wulfen) Nyl. (1866)  
*Foraminella ambigua* (Wulfen) Fricke Meyer (1982)  
*hyperopta* (Ach.) Arnold (1884)  
*Foraminella hyperopta* (Ach.) Fricke Meyer (1982)

*P. aleurites* (Ach.) Nyl. (1866) = *Imshaugia*.

*Parmotrema* Massal. (1860) - see *Parmelia*.

**Parmentaria** Fée (1825)  
*chilensis* Fée (1838)  
 ? *Pyrenula chilensis* (Fée) R. Harris (1989)

**Peltigera** Willd. (1787)  
*britannica* (Gyelnik) Holt.-Hartw. & Tønsb. (1983)  
*canina* (L.) Willd. (1787)  
*collina* (Ach.) Schrader (1801)  
*degenii* Gyelnik (1927)  
*didactyla* (With.) Laundon (1984)  
*P. spuria* (Ach.) DC. (1805)  
*elisabethae* Gyelnik (1927)  
*horizontalis* (Huds.) Baumg. (1790)  
*lactucifolia* (With.) Laundon (1984)  
*P. hymenina* (Ach.) Delise ex Duby (1830)  
*lepidophora* (Nyl.) Bitter (1904)  
*leucophlebia* (Nyl.) Gyelnik (1926)  
*malacea* (Ach.) Funck (1827)  
*membranacea* (Ach.) Nyl. (1887)  
*neckeri* Hepp ex Müll. Arg. (1862)  
*polydactyla* (Necker) Hoffm. (1790)  
*ponojensis* Gyelnik (1931)  
*praetextata* (Flörke ex Sommerf.) Zopf (1909)  
*rufescens* (Weis) Humb. (1793)  
*scabrosa* Th. Fr. (1861)



venosa (L.) Hoffm. (1789)

**Pertusaria DC. (1805)**

albescens (Huds.) M. Choisy & Werner (1932)

albescens var. corallina (Zahlbr.) Laundon (1963)

amara (Ach.) Nyl. (1873)

amara f. pulvinata (Erichsen) Almb. (1948)

*P. pulvinata* Erichsen (1936)

amarescens Nyl. (1874)

aspergilla (Ach.) Laundon (1992)

*P. dealbescens* auct., non Erichsen (1936)

borealis Erichsen (1938)

bryontha (Ach.) Nyl. (1861)

chiodectonoides Bagl. ex Massal. (1856)

coccodes (Ach.) Nyl. (1857)

corallina (L.) Arnold (1861)

*P. areolata* auct. brit., non (Ach.) Massal. (1852)

coronata (Ach.) Th. Fr. (1871)

dactylina (Ach.) Nyl. (1863)

excludens Nyl. (1885)

flavicans Lamy (1878)

flavida (DC.) Laundon (1963)

flavocorallina Coppins & Muhr (1992)

gallica B. de Lesd. (1925)

geminipara (Th. Fr.) Knight (1883)

*Ochrolechia geminipara* (Th. Fr.) Vainio (1881)

glomerata (Ach.) Schaerer (1826)

hemisphaerica (Flörke) Erichsen (1932)

hymenea (Ach.) Schaerer (1836)

*P. rupicola* auct. brit., non (Fr.) Harm. (1898)

lactea (L.) Arnold (1872)

\* lactescens Mudd (1861)

leioplaca DC. (1815)

? *P. alpina* Hepp ex Ahles. (1860)

*P. leucostoma* Massal. (1852)

melanochlora (DC.) Nyl. (1872)

monogona Nyl. (1872)

multipuncta (Turner) Nyl. (1861)

oculata (Dickson) Th. Fr. (1871)

ophthalmiza (Nyl.) Nyl. (1865)

\* panyrga auct. brit., non (Ach.) Massal. (1855)

*P. hutchinsiae* (Borrer) Leighton (1851)

pertusa (Weigel) Tuck. (1845)

? *P. colliculosa* Körber (1863)

? polythecia (Taylor) Erichsen (1936)

pseudocorallina (Lilj.) Arnold (1887)

*P. ceuthocarpoides* Zahlbr. (1927)

pupillaris (Nyl.) Th. Fr. (1871)

*Lecidea cinnabarina* auct. brit. p.p., non Sommerf. (1823)

pustulata (Ach.) Duby (1830)

velata (Turner) Nyl. (1861)

xanthostoma (Sommerf.) Fr. (1831)

*Aspicilia poriniformis* (Nyl.) Arnold (1870)

**Petractis** Fr. (1846)

clausa (Hoffm.) Krempelh. (1861)

**Phaeocalicium** A. Schmidt (1970) [F]

populneum (Brond ex Duby) A. Schmidt (1970) [F]

praecedens (Nyl.) A. Schmidt (1970) [F]

**Phaeographis** Müll. Arg. (1882)

dendritica (Ach.) Müll. Arg. (1882)

inusta (Ach.) Müll. Arg. (1881)

lyellii (Sm.) Zahlbr. (1905)

smithii (Leighton) B. de Lesd. (1910)

**Phaeophyscia** Moberg (1977)

endococcina Körber) Moberg (1977)

endophoenicea (Harm.) Moberg (1977)

nigricans (Flörke) Moberg (1977)

orbicularis (Necker) Moberg (1977)

*Physcia labrata* auct. brit., non Meresch (1919)

*P. orbicularis* var. *hueana* (Harm.) Clauz. & Roux (1985)

sciastra (Ach.) Moberg (1977)

**Phaeopyxis** Rambold & Triebel (1990) [LF]

punctum (Massal.) Rambold, Triebel & Coppins (1990) [LF]

? *Lecidea cladoniararia* Nyl. (1857)

*Lecidea punctum* (Massal.) Jatta (1900)

varia Coppins, Rambold & Triebel (1990) [LF]

**Phlyctis** Wallr. (1825)

agelaea (Ach.) Flotow (1850)

argena (Sprengel) Flotow (1850)

**Phyllopsora** Müll. Arg. (1894)

rosei Coppins & P. James (1979)

**Physcia** (Schreber) Michaux (1803)

adscendens (Fr.) H. Olivier (1882)

aipolia (Ehrh. ex Humb.) Fűrnrrohr (1839)

caesia (Hoffm.) Fűrnrrohr (1839)

*P. subalbinea* Nyl. (1874)

*P. wainioi* Räsänen (1921)

clementei (Sm.) Maas Geest. (1952)

- dubia (Hoffm.) Lettau (1912)
- P. teretiuscula* (Ach.) Lyngé (1916)
- semipinnata (Gmelin) Moberg (1977)
- stellaris (L.) Nyl. (1856)
- tenella (Scop.) DC. (1805)
- tenella subsp. marina (A.E. Nyl.) D. Hawksw. (1980)
- tribacia (Ach.) Nyl. (1874)
- tribacioides Nyl. (1874)

*Physciopsis* M. Choisy (1950) - see *Hyperphyscia*.

**Physconia** Poelt (1965)

- distorta (With.) Laundon (1984)
- Physconia pulverulacea* Moberg (1979)
- enteroxantha (Nyl.) Poelt (1966)
- grisea (Lam.) Poelt (1965)
- perisidiosa (Erichsen) Moberg (1977)

*Phytoconis* Bory (1797) - see *Omphalina*.

**Pilophorus** Th. Fr. (1857)

- strumaticus Nyl. ex Crombie (1875)

**Placidiopsis** Beltram. (1858)

- cartilaginea (Nyl.) Vainio (1921)
- P. custnani* (Massal.) Körber (1863)
- pseudocinerea Breuss (1983)

**Placopsis** (Nyl.) Lindsay (1866)

- gelida (L.) Lindsay (1866)
- lambii Hertel & V. Wirth (1987)

**Placynthiella** Elenkin (1909)

- dasaea (Stirton) Tønsb. (1992)
- Lecidea dasaea* Stirton (1880)
- hyporhoda (Th. Fr.) Coppins & P. James (1984)
- ? *Lecidea uliginascens* Stirton (1878)
- icmalea (Ach.) Coppins & P. James (1984)
- oligotropha (Laundon) Coppins & P. James (1984)
- Lecidea oligotropha* Laundon (1960)
- uliginosa (Schrader) Coppins & P. James (1984)
- Lecidea uliginosa* (Schrader) Ach. (1803)

**Placynthium** (Ach.) Gray (1821)

- asperellum (Ach.) Trevisan (1869)
- flabellosum (Tuck.) Zahlbr. (1925)
- garovaglii (Massal.) Malme (1918)
- lismorensense (Nyl. ex Crombie) Vainio (1909)

nigrum (Huds.) Gray (1821)  
 pannariellum (Nyl.) Magnusson (1936)  
 pluriseptatum (Arnold) Arnold (1889)  
 subradiatum (Nyl.) Arnold (1884)  
 tantaleum (Hepp) Hue (1906)  
 tremniacum (Massal.) Jatta (1900)

**Platismatia** Culb. & C. Culb. (1968)  
 glauca (L.) Culb. & C. Culb. (1968)  
 norvegica (Lyngé) Culb. & C. Culb. (1968)

*Pleurosticta* Petrak (1931) - see *Parmelia*.

**Poeltinula** Hafellner (1984)  
 cerebrina (DC.) Hafellner (1984)  
 . *Encephalographa cerebrina* (DC.) Massal. (1856)

**Polyblastia** Massal. (1852)  
 agraria Th. Fr. (1864)  
 albida Arnold (1858)  
 cruenta (Körber) P. James & Swinscow (1971)  
 cupularis Massal. (1852)  
 ? *P. bryophila* auct. brit., non Lönnr. (1858)  
 deminuta Arnold (1861)  
 dermatodes Massal. (1855)  
 efflorescens Coppins (1991)  
 gelatinosa (Ach.) Th. Fr. (1862)  
 \* ? gothica Th. Fr. (1865)  
 helvetica Th. Fr. (1865)  
 inumbrata (Nyl.) Arnold (1870)  
 melaspora (Taylor) Zahlbr. (1921)  
 quartzina Lyngé (1928)  
 sendtneri Krempelh. (1855)  
 terrestris Th. Fr. (1860)  
 theleodes (Sommerf.) Th. Fr. (1867)  
 verrucosa (Ach.) Lönnr. (1848)  
 wheldonii Travis (1947)

*P. allobata* (Stizenb.) Zsch. (1918) = *Agonimia*

*P. discrepans* Lahm (1867) = *Merismatium discrepans* (Lahm) Triebel (1989) [syn. *M. lopadii* auct. brit. p.p.] [F]

*P. nigritella* (Nyl.) Arnold (1870) = *Merismatium nigritellum* (Nyl.) Vouaux (1913) [F].

*Polyblastiopsis* Zahlbr. (1903) - see *Julella*.

**Polychidium** (Ach.) Gray (1821)  
 dendriscum (Nyl.) Henssen (1963)  
 muscicola (Swartz) Gray (1821)

**Polysporina** Vězda (1978)

- cyclocarpa (Anzi) Vězda (1978)
- lapponica (Schaerer) Degel. (1982)
- P. dubia* (Magnusson) Vězda (1978)
- simplex (Davies) Vězda (1978)

**Porina** Müll. Arg. (1883)

- aenea (Wallr.) Zahlbr. (1922)
- ahlesiana (Körber) Zahlbr. (1931)
- borreri (Trevisan) D. Hawksw. & P. James (1980)
- borreri var. leptospora (Nyl.) D. Hawksw. (1992)
- Porina olivacea* var. *leptospora* (Nyl.) Keissler (1937)
- byssophila (Körber ex Hepp) Zahlbr. (1903)
- chlorotica (Ach.) Müll. Arg. (1884)
- chlorotica f. tenuifera (Nyl.) Swinscow (1962)
- curnowii A.L. Sm. (1911)
- ginzbergeri Zahlbr. (1903)
- grandis (Körber) Zahlbr. (1922)
- guentheri (Flotow) Zahlbr. (1922)
- guentheri var. lucens (Taylor) Swinscow (1962)
- heterospora (Fink) R. Harris (1980)
- P. nucula* auct. brit., non Ach. (1814)
- interjungens (Nyl.) Zahlbr. (1922)
- lectissima (Fr.) Zahlbr. (1903)
- leptalea (Durieu & Mont.) A.L. Sm. (1911)
- linearis (Leighton) Zahlbr. (1922)
- mammillosa (Th. Fr.) Vainio (1922)
- sudetica (Körber) Lettau (1912)

*P. coralloidea* P. James (1971), *P. hibernica* P. James & Swinscow (1962) and *P. rosei* Sérusiaux (1990) are included in *Zamenhofia*.

**Porocyphus** Körber (1855)

- coccodes (Flotow) Körber (1855)
- kenmorensis (Holl ex Nyl.) Henssen (1974)
- leptogiella (Nyl.) L.T. Ellis (1981)
- Lemmopsis leptogiella* (Nyl.) A.L. Sm. (1918)
- rehmicus (Massal.) Zahlbr. (1924)

**Porpidia** Körber (1855)

- cinereoatra (Ach.) Hertel & Knoph (1984)
- Huilia albocaerulescens* auct. brit. p.p., non (Wulfen) Hertel (1975)
- Huilia cinereoatra* (Ach.) Hertel (1980)
- contraponenda (Arnold) Knoph & Hertel (1984)
- Huilia albocaerulescens* auct. brit. p.p., non (Wulfen) Hertel (1975)
- crustulata (Ach.) Hertel & Knoph (1984)
- Huilia crustulata* (Ach.) Hertel (1975)
- Lecidea scutellata* W. Watson (1932)

- flavicunda (Ach.) Gowan (1988)  
*Huilia flavocaerulescens* auct., p.p.  
 flavocaerulescens (Hornem.) Hertel & Schwab (1984)  
*Huilia flavocaerulescens* (Hornem.) Hertel (1975)  
*Huilia melinodes* (Körber) Hertel (1975)  
 glaucophaea (Körber) Hertel & Knoph (1984)  
*Huilia glaucophaea* (Körber) Hertel (1875)  
 hydrophila (Fr.) Hertel & Schwab (1984)  
*Huilia hydrophila* (Fr.) Hertel (1975)  
 macrocarpa (DC.) Hertel & Schwab (1984)  
*Huilia macrocarpa* (DC.) Hertel (1975)  
*Huilia nigrocruenta* (Anzi) Hertel (1975)  
 musiva (Körber) Hertel & Knoph (1984)  
 platycarpoides (Bagl.) Hertel (1987)  
*Huilia platycarpoides* (Bagl.) Hertel (1985)  
 soledizodes (Lamy ex Nyl.) Laundon (1989)  
*Huilia soledizodes* (Lamy ex Nyl.) Hertel (1980)  
 speirea (Ach.) Krempelh. (1861)  
*Lecidea speirea* (Ach.) Ach. (1803)  
 ? *L. subumbonella* Lamy (1883)  
 superba (Körber) Hertel & Knoph (1984)  
 tuberculosa (Sm.) Hertel & Knoph (1984)  
*Huilia tuberculosa* (Sm.) P. James (1980)

*P. athrocarpa* (Ach.) Hertel & Rambold (1985) = *Immersaria*.

*Protobagliettoa* Servit (1955) - see *Verrucaria*.

- Protoblastenia** (Zahlbr.) Steiner (1911)  
 calva (Dickson) Zahlbr. (1930)  
 cyclospora (Hepp ex Körber) Poelt (1975)  
 incrustans (DC.) Steiner (1911)  
 rupestris (Scop.) Steiner (1911)  
 siebenhaariana (Körber) Steiner (1911)

- Protoparmelia** M. Choisy (1929)  
 atriseda (Fr.) R. Sant. & V. Wirth (1986)  
*Lecanora atriseda* (Fr.) Nyl. (1857)  
 badia (Hoffm.) Hafellner (1984)  
*Lecanora picea* (Dickson) Nyl. (1986)  
*Lecanora badia* (Hoffm.) Ach. (1810)  
 montagnei (Fr.) Poelt & Nimis (1987)  
*Lecanora nitens* auct., non Ach. (1814)  
*Lecanora psarophana* Nyl. (1872)  
 nephaea (Sommerf.) R. Sant. (1990)  
 ochrococca (Nyl.) P.M. Jørg., Rambold & Hertel (1988)  
*Lecanora ochrococca* (Nyl.) Clauz. & Roux (1985)  
*Lecidea ochrococca* Nyl. (1860)

- oleagina (Harm.) Coppins (1992)  
*Lecanora oleagina* Harm. (1913)  
 picea auct.  
*Lecanora picea* auct. p.p., non (Dickson) Nyl. (1868)

**Protothelenella** Räsänen (1943)

- corrosa (Körber) Mayrhofer & Poelt (1985)  
*Microglæna corrosa* (Körber) Arnold (1877)  
 ? leucothelia (Nyl.) Mayrhofer & Poelt (1985)  
*Microglæna leucothelia* (Nyl.) Arnold (1870)  
 sphinctrinoidella (Nyl.) Mayrhofer & Poelt (1985)  
*Microglæna sphinctrinoidella* (Nyl.) Arnold (1870)  
 sphinctrinoides (Nyl.) Mayrhofer & Poelt (1985)  
*Microglæna sphinctrinoides* (Nyl.) Lönnr. (1858)

**Pseudephebe** M. Choisy (1930)

- pubescens (L.) M. Choisy (1930)  
*P. pubescens* f. *subciliata* (Nyl.) D. Hawksw. (1977)

**Pseudevernia** Zopf (1903)

- furfuracea (L.) Zopf (1903)  
 furfuracea var. *ceratea* (Ach.) D. Hawksw. (1969)

**Pseudocyphellaria** Vainio (1890)

- aurata (Ach.) Vainio (1890)  
 crocata (L.) Vainio (1898)  
 intricata (Del.) Vainio (1898)  
 lacerata Degel. (1941)  
 norvegica (Gyelnik) P. James (1979)

**Pseudolecidea** Clauz. & Roux (1984), non N. March (1896)

- see *Claurouxia*.

**Psilolechia** Massal. (1860)

- clavulifera (Nyl.) Coppins (1983)  
*Micarea clavulifera* (Nyl.) Coppins & P. James (1980)  
 leprosa Coppins & Purvis (1987)  
 lucida (Ach.) M. Choisy (1949)

**Psora** Hoffm. (1796)

- decipiens (Hedwig) Hoffm. (1794)  
 globifera (Ach.) Massal. (1852)  
 lurida (Ach.) DC. (1805)  
*P. petri* (Tuck.) Fink (1935)  
 rubiformis (Ach.) Hook. (1844)

**Psoroma** Ach. ex Michaux (1803)

- hypnorum (Vahl) Gray (1821)

**Psorotichia** Massal. (1855)

- ? *diffundens* (Nyl.) Arnold (1869)
- ? *pyrenopsoides* (Nyl.) Forss. (1885)
- schaereri* (Massal.) Arnold (1869)

**Pterygiopsis** Vainio (1890)

- coracodiza* (Nyl.) Henssen (1990)
- lacustris* P.M. Jørg. & R. Sant. (1990)

**Ptychographa** Nyl. (1874)

- flexella* (Ach.) Coppins (1980)
- xylographoides* Nyl. (1874)

*Punctelia* Krog (1982) - see *Parmelia*.

**Pycnothelia** Dufour (1821)

- papillaria* Dufour (1821)

**Pyrenocollema** Reinke (1885)

- arenisedum* (A.L. Sm.) Coppins (1992)
- Arthopyrenia areniseda* A.L. Sm. (1911)
- argilospilum* (Nyl.) Coppins (1992)
- Arthopyrenia argilospila* (Nyl.) A.L. Sm. (1918)
- bryospilum* (Nyl.) Coppins (1992)
- Arthopyrenia bryospila* (Nyl.) Arnold (1870)
- caesium* (Nyl.) R. Harris (1987)
- Arthopyrenia caesia* (Nyl.) Zahlbr. (1921)
- elegans* R. Sant. (1992)
- Arthopyrenia elegans* R. Sant. (1985), nom. inval.
- halodytes* (Nyl.) R. Harris (1987)
- Arthopyrenia halodytes* (Nyl.) Arnold (1891)
- monense* (Wheldon) Coppins (1992)
- Arthopyrenia monensis* (Wheldon) Zahlbr. (1922)
- orustense* (Erichsen) A. Fletcher (1992)
- Arthopyrenia orustensis* Erichsen (1930)
- pelvetiae* (Sutherl.) D. Hawksw. (1988)
- Arthopyrenia pelvetiae* (Sutherl.) D. Hawksw. (1980)
- saxicola* (Massal.) Coppins (1992)
- Arthopyrenia saxicola* Massal. (1865)
- strontianense* (Swinscow) R. Harris (1987)
- Arthopyrenia strontianensis* Swinscow (1967)
- subarenisedum* (G. Salisb.) Coppins (1992)
- Arthopyrenia subareniseda* G. Salisb. (1953)
- sublitorale* (Leighton) R. Harris (1987)
- Arthopyrenia sublitoralis* (Leighton) Arnold (1891)

*Pyrenopsidium* (Nyl.) Forss. (1855) - see *Pyrenopsis*.



**Pyrenopsis** (Nyl.) Nyl. (1858)

furfurea (Nyl.) Th. Fr. (1866)

*Pyrenopsidium furfureum* (Nyl.) Forss. (1885)*Pyrenopsidium homoeopsis* (Nyl.) Forss. (1885)

grumulifera Nyl. (1861)

*P. multispora* Coppins (1988)

impolita (Th. Fr.) Forss. (1885)

phylliscella Nyl. (1875)

subareolata Nyl. (1861)

? *P. fuscata* Nyl. (1858)? *P. haematopsis* auct. brit., non (Sommerf.) Th. Fr. (1860)*P. rhodosticta* auct., non (Taylor) Müll. Arg. (1888)

*P. granatina* (Sommerf.) Nyl. (1866) and *P. pulvinata* (Schaerer) Th. Fr. (1866) are included in *Euopsis*.

**Pyrenula** Massal. (1852)

chlorospila Arnold (1887)

coryli Massal. (1852)

*Mycopyrenula coryli* (Massal.) Vainio (1921)

dermatodes (Borrer) Schaerer (1850)

laevigata (Pers.) Arnold (1885)

macrospora (Degel.) Coppins &amp; P. James (1980)

? *microtheca* R. Harris (1989)

nitida (Weigel) Ach. (1814)

nitidella (Flörke ex Schaerer) Müll. Arg. (1885)

occidentalis (R. Harris) R. Harris (1987)

*P. neglecta* auct. brit., non R. Harris (1973)**Pyrrhospora** Körber (1855)

quernea (Dickson) Körber (1855)

**Racodium** Pers. (1797)

rupestre Pers. (1797)

**Ramalina** Ach. (1810)

calicaris (L.) Fr. (1824)

canariensis Steiner (1904)

*R. baltica* auct. brit. p.p., ? non Lettau (1912)

chondrina Steiner (1904)

cuspidata (Ach.) Nyl. (1870)

farinacea (L.) Ach. (1810)

fastigiata (Pers.) Ach. (1810)

fraxinea (L.) Ach. (1810)

lacera (With.) Laundon (1984)

*R. duriaei* (de Not.) Bagl. (1879)

pollinaria (Westr.) Ach. (1810)

polymorpha (Lilj.) Ach. (1810)

portuensis G. Samp (1924)  
 siliquosa (Hudson) A.L. Sm. (1918)  
 subfarinacea (Nyl. ex Crombie) Nyl. (1872)

**Ramonia** Stizenb. (1862)  
 chrysophaea (Pers.) Vězda (1966)  
 dictyospora Coppins (1987)  
 luteola auct. brit., non Vězda (1967)  
 nigra Coppins (1987)

**Rhaphidicyrtis** Vainio (1921)  
 trichosporrella (Nyl.) Vainio (1921)

**Rhizocarpon** Lam. ex DC. (1805)  
 advenulum (Leighton) Hafellner & Poelt (1976) [LF]  
 alpicola (Anzi) Rabenh. (1861)  
 ? amphibium (Fr.) Th. Fr. (1874)  
 badioatrum (Flörke ex Sprengel) Th. Fr. (1874)  
 caeruleoalbum (Krempelh.) Zahlbr. (1927)  
 chioneum (Norman) Th. Fr. (1874)  
 cinereovirens (Müll. Arg.) Vainio (1922)  
 concentricum (Davies) Beltr. (1858)  
   *R. perlutum* (Nyl.) Zahlbr. (1905)  
 copelandii (Körber) Th. Fr. (1874)  
 distinctum Th. Fr. (1874)  
 eupetraeoides (Nyl.) Blomb. & Forss. (1880)  
 expallescens Th. Fr. (1874)  
 ? ferax Magnusson (1948)  
   ? *R. drepanodes* Feuerer (1978)  
 furfurosum Magnusson & Poelt (1955)  
 geminatum Körber (1855)  
 geographicum (L.) DC. (1805)  
   ? *R. frigidum* Räsänen (1944)  
   ? *R. geographicum* subsp. *arcticum* (Runemark) Hertel (1976)  
   ? *R. geographicum* subsp. *diabasicum* (Räsänen) Poelt & Vězda (1980)  
   ? *R. geographicum* subsp. *frigidum* (Räsänen) Hertel (1976)  
   ? *R. geographicum* subsp. *prospectans* (Räsänen) D. Hawksw. & Sowter (1969)  
   *R. riparium* Räsänen (1942)  
   *R. riparium* subsp. *lindsayanum* (Räsänen) Thomson (1967)  
 hochstetteri (Körber) Vainio (1922)  
 inarense (Vainio) Vainio (1898)  
 intermediellum Räsänen (1943)  
 jemtlandicum (Malme) Malme (1914)  
 lavatum (Fr.) Hazsl. (1884)  
 lecanorinum Anders (1923)  
 obscuratum (Ach.) Massal. (1852)  
 ochrolechia (Poelt & Nimis) Hafellner (1992)

oederi (Weber) Körber (1861)  
 plicatile (Leighton) A.L. Sm. (1911)  
   *R. rubescens* Th. Fr. (1874)  
 polycarpum (Hepp) Th. Fr. (1874)  
 postumum (Nyl.) Arnöld (1870)  
 richardii (Nyl.) Zahlbr. (1926)  
   *R. constrictum* Malme (1919)  
 simillimum (Anzi) Lettau (1912)  
 subgeminatum Eitner (1911)  
 superficiale (Schaerer) Malme (1914)  
 umbilicatum (Ramond) Flagey (1894)  
 viridiatrum (Wulfen) Körber (1855)

*Ropalospora* Massal. (1860) - see *Fuscidea*.

*Rimelia* Hale & Fletcher 1990 - see *Parmelia*.

### **Rimularia** Nyl. (1868)

badioatra (Krempelh.) Hertel & Rambold (1990)  
   *Lecanora contracta* (Th. Fr.) Zahlbr. (1928)  
   *Lecidea illita* Nyl. (1879)  
   *Mosigia illita* (Nyl.) R. Sant. (1984)  
 furvella (Nyl. ex Mudd) Hertel & Rambold (1987)  
   *Lecidea furvella* Nyl. ex Mudd (1861)  
 fusciosa Muhr & Tønsb. (1989)  
 gyrizans (Nyl.) Hertel & Rambold (1990)  
   *Lecidea fuscocinerea* auct., non Nyl. (1852)  
 insularis (Nyl.) Rambold & Hertel (1985)  
   *Lecidea insularis* Nyl. (1852)  
 intercedens (Magnusson) Coppins (1993)  
   *Lecanora intercedens* Magnusson (1930)  
   *Mosigia intercedens* (Magnusson) R. Sant. (1984)  
 limborina Nyl. (1868)  
   *Lecidea limborina* (Nyl.) Lamy (1878)  
   *Lecidea subgyratula* Nyl. (1873)  
 mullensis (Stirton) Coppins (1993)  
   *Lecidea mullensis* Stirton (1877)  
 sphacelata (Th. Fr.) Hertel & Rambold (1990)

### **Rinodina** (Ach.) Gray (1821)

aspersa (Borrer) Laundon (1986)  
   *Buellia aspersa* (Borrer) P. James (1965)  
 atrocinerea (Hook.) Körber (1855)  
 biloculata (Nyl.) Sheard (1967)  
 bischoffii (Hepp) Massal. (1855)  
 calcarea (Arnold) Arnold (1879)  
 colobina (Ach.) Th. Fr. (1871)  
 confragosa (Ach.) Körber (1855)

- conradii Körber (1855)  
 efflorescens Malme (1927)  
 exigua Gray (1821)  
 gennarii Bagl. (1861)  
 griseosoralifera Coppins (1989)  
 immersa (Körber) Zahlbr. (1906)  
 interpolata (Stirton) Sheard (1973)  
 isidioides (Borrer) Olivier (1909)  
 lecideina Mayrh. & Poelt (1979)  
 luridescens (Anzi) Arnold (1872)  
 milvina (Wahlenb.) Th. Fr. (1860)  
 mniaraea (Ach.) Körber (1855) var. cinnamomea Th. Fr. (1860)  
 occulta (Körber) Sheard (1967)  
 orculariopsis Mayrh. (1984)  
 oxydata (Massal.) Massal. (1854)  
 parasitica Mayrh. & Poelt (1979)  
 pyrina (Ach.) Arnold (1881)  
 roboris (Duf. ex Nyl.) Arnold (1881)  
 sophodes (Ach.) Massal. (1852)  
 subglaucescens (Nyl.) Sheard (1967)  
 teichophila (Nyl.) Arnold (1863)
- Roccella** DC. (1805)  
 fuciformis (L.) DC. (1805)  
 phycopsis Ach. (1810)
- Sagiolechia** Massal. (1854)  
 protuberans (Ach.) Massal. (1854)  
 rhexoblephara (Nyl.) Zahlbr. (1913)
- Sarcogyne** Flotow (1851)  
 clavus (DC.) Krempelh. (1861)  
 privigna (Ach.) Massal. (1854)  
 ? pruinosa auct.  
 regularis Körber (1855)
- Sarcopyrenia** Nyl. (1858)  
 cylindrospora (P. Crouan & H. Crouan) M.B. Aguirre (1990)  
 gibba (Nyl.) Nyl. (1858)
- Sarcosagium** Massal. (1856)  
 campestre (Fr.) Poetsch & Schied. (1872)  
 campestre var. macrosporum Coppins & P. James (1979)
- Schadonia** Körber (1859)  
 fecunda (Th. Fr.) Vězda & Poelt (1980)

**Schaereria** Th. Fr. (1855)

- cinereoufa (Schaerer) Th. Fr. (1861)
- corticola Muhr & Tønnsb. (1992)
- fuscocinerea (Nyl.) Clauzade & Roux (1985)
  - Aspicilia complanatoides* (A.L. Sm.) W. Watson (1935)
  - Lecidea fuscocinerea* Nyl. (1852), non auct. brit.
  - S. endocyanea* (Stirton) Hertel & G. Schneider (1980)
  - S. tenebrosa* (Flotow) Hertel & Poelt (1980)
- fuscocinerea var. *sorediata* (Houmeau & Roux) Coppins (1992)

**Schismatomma** Flotow & Körber ex Massal. (1852)

- cretaceum (Hue) Laundon (1984)
  - S. virgineum* D. Hawksw. & P. James (1974)
- decolorans (Turner & Borrer ex Sm.) Clauz. & Vězda (1965)
- graphidioides (Leighton) Zahlbr. (1919)
  - ? *S. abietinum* (Humb.) Massal. (1852)
  - ? *S. pericleum* (Ach.) Branth & Rostrup (1869)
- niveum D. Hawksw. & P. James (1971)
- quercicola Coppins & P. James (1989)
- umbrinum (Coppins & P. James) P.M. Jørg. & Tønnsb. (1988)
  - Lecanactis umbrina* Coppins & P. James (1979)

**Sclerophora** Chevall. (1826)

- nivea (Hoffm.) Tibell (1984)
  - Coniocybe pallida* (Pers.) Fr. (1824)
- peronella (Ach.) Tibell (1984)
  - Coniocybe peronella* (Ach.) Tibell (1978)

**Sclerophyton** Eschw. (1824)

- circumscriptum (Taylor) Zahlbr. (1905)

**Scoliciosporum** Massal. (1852)

- chlorococcum (Graewe ex Stenhammar) Vězda (1978)
- pruinatum (P. James) Vězda (1978)
- sarothamni (Vainio) Vězda (1978)
- umbrinum (Ach.) Arnold (1871)

**Scutula** Tul. (1852), non Loureiro (1790) - see *Catillaria*.**Siphula** Fr. (1831)

- ceratites (Wahlenb.) Fr. (1831)

**Solenopsora** Massal. (1855)

- candicans (Dickson) Steiner (1915)
- holophaea (Mont.) G. Samp. (1921)
- liparina (Nyl.) Zahlbr. (1919)
- vulturiensis Massal. (1856)

**Solorina** Ach. (1808)

- bispora Nyl. (1860)
- bispora var. macrospora (Harm.) H. Olivier (1921)
- bispora var. monospora (Gyelnik) Frey (1952)
- crocea (L.) Ach. (1810)
- saccata (L.) Ach. (1810)
- spongiosa (Ach.) Anzi (1862)

**Sphaerophorus** Pers. (1794)

- fragilis (L.) Pers. (1794)
- globosus (Huds.) Vainio (1903)
- melanocarpus (Swartz) DC. (1815)

**Sphinctrina** Fr. (1828) [LF]

- anglica Nyl. (1860) [LF]
- leucopoda Nyl. (1860) [LF]
- tubiformis Massal. (1853) [LF]
- turbinata (Pers.) de Not. (1846) [LF]

**Spilonema** Bornet (1856)

- paradoxum Bornet (1856)
- revertens Nyl. (1865)

**Sporastatia** Massal. (1854)

- polyspora (Nyl.) Grumm. (1963)
- testudinea (Ach.) Massal. (1854)

**Squamarina** Poelt (1958)

- cartilaginea (With.) P. James (1980)
- ? cartilaginea var. pseudocrassa (Mattick) D. Hawksw. (1980)
- lentigera (Weber) Poelt (1958)

**Staurothele** Norman (1853)

- arctica (Lynge) (1937)
- areolata (Ach.) Lettau (1912)
- S. clopima* auct., non (Wahlenb.) Th. Fr. (1881)
- bacilligera (Arnold) Arnold (1885)
- caesia (Arnold) Arnold (1885)
- fissa (Taylor) Zwackh (1862)
- S. catalepta* sensu Malme (1919), non (Ach.) Blomb. & Forss. (1880)
- geoica Zsch. (1918)
- guestphalica (Lahm ex Körber) Arnold (1885)
- hymenogonia (Nyl.) Th. Fr. (1865)
- rufa (Massal.) Zsch. (1913)
- rugulosa (Massal.) Arnold (1897)
- rupifraga (Massal.) Arnold (1880)
- succedens (Rehm ex Arnold) Arnold (1880)

Literature: Thomson (1991)

**Steinia** Körber (1873)

*geophana* (Nyl.) B. Stein (1879)

**Stenocybe** Nyl. ex Körber (1852) [F]

*bryophila* W. Watson (1925) [F]

*pullatula* (Ach.) B. Stein (1879) [F]

*S. byssacea* (Fr.) Körber (1855)

*septata* (Leighton) Massal. (1860) [F]

*tremulicola* Norrlin ex Nyl. (1883) [F]

**Stereocaulon** Hoffm. (1796)

*alpinum* Laurer (1827)

*condensatum* Hoffm. (1796)

*dactylophyllum* Flörke (1819)

*dactylophyllum* var. *occidentale* (Magnusson) Grumm. (1963)

*delisei* Bory ex Duby (1830)

*evolutum* Graewe (1865)

*glareosum* (Savicz) Magnusson (1928)

*leucophaeopsis* (Nyl.) P. James & Purvis (1985)

*Toninia leucophaeopsis* (Nyl.) Th. Fr. (1874)

*nanodes* Tuck. (1859)

*pileatum* Ach. (1810)

*saxatile* Magnusson (1926)

*spathuliferum* Vainio (1909)

*symphycheilum* Lamb (1961)

\* *tomentosum* Fr. (1824)

*tornense* (Magnusson) P. James & Purvis (1985)

*vesuvianum* Pers. (1811)

*vesuvianum* var. *nodulosum* (Wallr.) Lamb (1969)

*vesuvianum* var. *symphycheileoides* Lamb in Vězda (1975)

**Sticta** (Schreber) Ach. (1803)

*canariensis* (Bory) Bory ex Delise (1823)

*S. dufourii* Delise (1823) [blue-green photosymbiodeme]

*fuliginosa* (Hoffm.) Ach. (1803)

*limbata* (Sm.) Ach. (1803)

*sylvatica* (Huds.) Ach. (1803)

**Strangospora** Körber (1860)

*delitescens* (Arnold) Coppins (1992)

*deplanata* (Almq.) Clauz. & Roux (1985)

*microhaema* (Norman) R. Anderson (1975)

*moriformis* (Ach.) B. Stein (1879)

*ochrophora* (Nyl.) R. Anderson (1975)

*pinicola* (Massal.) Körber (1860)

**Strigula** Fr. (1823)

- jamesii (Swinscow) R. Harris (1980)  
 \* stigmatella (Ach.) R. Harris (1980)  
 stigmatella var. alpestris (Vězda) Coppins (1980)  
 taylorii (Carroll ex Nyl.) R. Harris (1980)

**Synalissa** Fr. (1825)

- symphorea (Ach.) Nyl. (1856)  
*S. ramulosa* (Hoffm.) Körber (1855)

**Teloschistes** Norman (1853)

- chrysophthalmus (L.) Th. Fr. (1860)  
 flavicans (Swartz) Norman (1853)

**Tephromela** M. Choisy (1929)

- aglaea (Sommerf.) Hertel & Rambold (1985)  
*Lecidea aglaea* Sommerf. (1826)  
 armeniaca (DC.) Hertel & Rambold (1985)  
*Lecidea armeniaca* (DC.) Fr. (1825)  
 atra (Huds.) Hafellner ex Kalb (1983)  
*Lecanora atra* (Huds.) Ach. (1810)  
 grumosa (Pers.) Hafellner & Roux (1985)  
*Lecanora grumosa* (Pers.) Du Rietz (1926)  
 pertusarioides (Degel.) Hafellner & Roux (1985)

**Thamnolia** Ach. ex Schaerer (1850)

- vermicularis var. subuliformis (Ehrh.) Schaerer (1850)

**Thelenella** Nyl. (1855)

- modesta (Nyl.) Nyl. (1855)  
*Microglaena modesta* (Nyl.) A.L. Sm. (1911)

**Thelidium** Massal. (1855)

- aeneovinosum Anzi (Arnold) (1868)  
 decipiens (Nyl.) Krempelh. (1861)  
 ? fontigenum Massal. (1856)  
 fumidum (Nyl.) Hazsl. (1884)  
*T. auruntii* auct. brit., non (Massal.) Krempelh. (1861)  
 impressum (Stizenb.) Zsch. (1920)  
 incavatum Mudd (1861)  
 microbolum (Tuck. in Drummond) Hasse (1913)  
 minutulum Körber (1863)  
*T. hospitum* Arnold (1882)  
*T. margaceum* (Leighton) Zsch. (1920)  
*T. mesotropum* (Nyl.) A. L. Sm. (1911)  
*T. terrestre* W. Watson (1917)  
 papulare (Fr.) Arnold (1885)  
 papulare f. sorediatum Coppins (1991)



- pluvium A. Orange (1991)  
 pyrenophorum (Ach.) Mudd (1861)  
*T. auruntii* (Massal.) Krempelh. (1861)  
 zwackhii (Hepp) Massal. (1855)  
*T. microcarpum* (Davies ex Leighton) A. L. Sm. (1911)  
*T. subgelatinosum* (Sm.) Zsch. (1920)

**Thelocarpon** Nyl. (1853) [ $\pm$ L]

- epibolum Nyl. (1866)  
 epibolum var. epithallinum (Leighton) G. Salisbury (1953)  
 impressellum Nyl. (1867)  
 intermediellum Nyl. (1865)  
 laureri (Flotow) Nyl. (1855)  
 lichenicola (Fuckel) Poelt & Hafellner (1975) [LF]  
 magnussonii G. Salisb. (1953)  
 olivaceum B. de Lesd. (1914)  
 pallidum G. Salisb. (1953)  
 ? strasseri Zahlbr. (1902)  
 superellum Nyl. (1866)

**Thelomma** Massal. (1860)

- ocellatum (Körber) Tibell (1976)

**Thelopsis** Nyl. (1855)

- melathelia Nyl. (1864)  
 rubella Nyl. (1855)

**Thelotrema** Ach. (1803)

- \* isidioides (Borrer) R. Sant. (1980)  
 lepadinum (Ach.) Ach. (1803)  
 monosporum Nyl. (1861)  
 subtile (Tuck.) (1858)

**Thermutis** Fr. (1825)

- velutina (Ach.) Flotow (1850)

**Thrombium** Wallr. (1831)

- epigaeum (Pers.) Wallr. (1831)  
 thelestomum (Ach. ex Harriman) A.L. Sm. (1911)

**Tomasellia** Massal. (1856) [F]

- diffusa (Leighton) Lahm (1885) [F]  
 gelatinosa (Chevall.) Zahlbr. (1922) [F]  
 lactea (Ach.) R. Harris (1980) [F]

**Toninia** Massal. (1852) [ $\pm$ L]

- aromatica (Sm.) Massal. (1852)  
 ? *T. fusispora* (Körber) Th. Fr. (1867)

- cumulata (Sommerf.) Th. Fr. (1874)  
 diffracta (Massal.) Zahlbr. (1901)  
 episema (Nyl.) Timdal (1991) [LF]  
     *Catillaria episema* (Nyl.) H. Olivier (1905)  
     *Kiliasia episema* (Nyl.) Hafellner (1984)  
     *Scutula episema* (Nyl.) Zopf (1896)  
 lobulata (Sommerf.) Lynge (1926)  
 mesoidea (Nyl.) Zahlbr. (1926)  
 opuntioides (Vill.) Buschardt (1979)  
 \* oribata (Nyl.) P. James (1965)  
 physaroides (Opiz) Zahlbr. (1926)  
     *T. lurida* (Arnold) H. Olivier (1911)  
 plumbina (Anzi) Hafellner & Timdal (1991) [LF]  
     *Bacidia plumbina* (Anzi) R. Sant. (1960)  
 \* rosulata (Anzi) H. Olivier (1911)  
 sedifolia (Scop.) Timdal (1991)  
     *T. caeruleonigricans* (Lightf.) Th. Fr. (1874)  
 squalescens (Nyl.) Th. Fr. (1874)  
 squalida (Ach.) Massal. (1852)  
     *T. havaasii* Magnusson (1949)  
 thiopora (Nyl.) H. Olivier (1911)  
     *T. pulvinata* (Taylor) H. Olivier (1911)  
 tumidula (Sm.) Zahlbr. (1926)  
 verrucarioides (Nyl.) Timdal (1991)  
     *T. cervina* Lönnr. (1858)  
     *T. kolax* Poelt (1957)

*T. leucophaeopsis* (Nyl.) Th. Fr. (1874) = *Stereocaulon*.

**Tornabea** Østh. (1980)

- \* scutellifera (With.) Laundon (1984)  
     *Tornabenia atlantica* (Ach.) Kurok. (1962)

**Trapelia** M. Choisy (1929)

- coarctata (Sm.) M. Choisy (1932)  
 corticola Coppins & P. James (1984)  
 involuta (Taylor) Hertel (1973)  
 mooreana (Carroll) P. James (1975)  
 obtegens (Th. Fr.) Hertel (1970)  
 placodioides Coppins & P. James (1984)

**Trapeliopsis** Hertel & G. Schneider (1980)

- aeneofusca (Flörke ex Flotow) Coppins & P. James (1984)  
 flexuosa (Fr.) Coppins & P. James (1984)  
     *Lecidea aeruginosa* Borrer (1831)  
 gelatinosa (Flörke) Coppins & P. James (1984)  
     *Lecidea gelatinosa* Flörke (1809)  
 glaucolepidea (Nyl.) G. Schneider (1980)

- granulosa (Hoffm.) Lumbsch (1983)  
*Lecidea granulosa* (Hoffm.) Ach. (1803)  
 percrenata (Nyl.) G. Schneider (1980)  
 pseudogranulosa Coppins & P. James (1984)  
 viridescens (Schrader) Coppins & P. James (1984)  
*Lecidea viridescens* (Schrader) Ach. (1803)  
 wallrothii (Flörke ex Sprengel) Hertel & G. Schneider (1980)

**Tremolecia** M. Choisy (1953)  
 atrata (Ach.) Hertel (1977)

*T. jurana* (Schaeerer) Hertel (1977) = *Farnoldia*.

**Trimmatothele** Norman ex Zahlbr. (1903)  
 perquisita (Norman) Norman ex Zahlbr. (1903)

*Tuckermannopsis* Gyelnik (1933) - see *Cetraria*.

**Tylothallia** P. James & Kiliias (1981)  
 biformigera (Leighton) P. James & Kiliias (1981)  
*Catillaria biformigera* (Leighton) Magnusson (1949)

**Umbilicaria** Hoffm. (1789)  
 crustulosa (Ach.) Frey (1931)  
 cylindrica (L.) Delise ex Duby (1830)  
 deusta (L.) Baumg. (1790)  
 grisea Hoffm. (1796)  
 hirsuta (Swartz ex Westr.) Hoffm. (1796)  
 hyperborea (Ach.) Hoffm. (1796)  
 nylanderiana (Zahlbr.) Magnusson (1937)  
 polyphylla (L.) Baumg. (1790)  
 polyrrhiza (L.) Fr. (1825)  
 proboscidea (L.) Schrader (1794)  
 spodochoa (Ehrh. ex Hoffm.) DC. (1805)  
 torrefacta (Lightf.) Schrader (1794)

**Usnea** Hill (1753)  
 articulata (L.) Hoffm. (1796)  
 ceratina Ach. (1810)  
 chaetophora Stirton (1883)  
 cornuta Körber (1859)  
*U. inflata* (Duby) Motyka (1937)  
 esperantiana Clerc (1992)  
*U. fulvorangeans* auct. brit. p.p., non (Räsänen) Räsänen (1935)  
 filipendula Stirton (1881)  
 flammea Stirton (1881)  
 florida (L.) Wigg. (1780)  
 fragilescens Havaas ex Lynge (1921)

fragilescens var. mollis (Vainio) Clerc (1987)  
 fulvovirens (Räsänen) Räsänen (1935)  
 glabrata (Ach.) Vainio (1915)  
 glabrescens (Nyl. ex Vainio) Vainio (1925)  
 hirta (L.) Wigg. (1780)  
 madeirensis Motyka (1964)  
 rubicunda Stirton (1881)  
 subfloridana Stirton (1882)  
 subscabrosa Nyl. ex Motyka (1937)  
 wasmuthii Räsänen (1932)  
 wirthii Clerc (1984)

**Verrucaria** Schrader (1794)

aethiobola Wahlenb. (1803)  
     *V. aquilella* Nyl. (1876)  
 amphibia R. Clem. (1807)  
 aquatilis Mudd (1861)  
 aranensis McCarthy (1988)  
 aspiciliicola R. Sant (1984)  
     ? = *V. canella* Nyl. (1883)  
     *V. aspiciliae* Zehetl. (1978), non (Lahm) Stizenb. (1882)  
     ? *V. glaucina* subsp. *canella* (Nyl.) A.L. Sm. (1911)  
 baldensis Massal. (1852)  
 bryoctona (Th. Fr.) A. Orange (1991)  
     *V. psammophila* Erichsen (1939)  
 bulgarica Szat. (1930)  
 caerulea DC. (1805)  
 calciseda DC. (1805)  
 carnea (Arnold) Servit (1948)  
 cyanea Massal. (1853)  
 degelii R. Sant. (1939)  
 ditmarsica Erichsen (1937)  
 dolosa Hepp (1860)  
     *V. mutabilis* auct. p.p., non Borrer ex Leighton (1851)  
 dufourii DC. (1805)  
 elaeomeleana (Massal.) Arnold (1868)  
 funckii (Sprengel) Zahlbr. (1921)  
 fusconigrescens Nyl. (1872)  
     *V. collematodes* auct. brit., non Garov. (1865)  
 glaucina auct. brit., non Ach. (1810)  
 halizoa Leighton (1871)  
     *V. mackenzie-lambii* Erichsen (1940)  
 hochstetteri Fr. (1831)  
     *V. dolomitica* (Massal.) Krempelh. (1861)  
     ? *V. foveolata* (Flörke) Massal. (1852)  
 hydreia Ach. (1814)  
     *V. hibernica* Servit (1955), non Zsch. (1927)  
 internigrescens (Nyl.) Erichsen (1928)

- knowlesiae* McCarthy (1988)  
*latebrosa* Körber (1855)  
*latericola* Erichsen (1943)  
     *V. granulosaria* Clauz. & Zehetl. (1978)  
     *V. insularis* auct. brit., non (Massal.) Jatta (1909)  
*macrostoma* Dufour ex DC. (1805)  
     ? *V. griseorubens* Migula (1930)  
*macrostoma* f. *furfuracea* B. de Lesd. (1949)  
     *V. viridula* f. *tectorum* auct. brit., non (Massal.) Laundon (1967)  
*margacea* (Wahlenb.) Wahlenb. (1812)  
     *V. leightonii* Hepp (1853)  
*maura* Wahlenb. (1803)  
*mucosa* Wahlenb. (1803)  
*muralis* Ach. (1803)  
*murina* Leighton (1851)  
*nigrescens* Pers. (1795)  
*ochrostoma* (Borrer ex Leighton) Trevisan (1860)  
*papillosa* Ach. (1810)  
*parmigerella* Zahlbr. (1919)  
*pinguicula* Massal. (1856)  
*praetermissa* (Trevisan) Anzi (1864)  
     *V. amylacea* auct. brit., non Hepp ex Arnold (1858)  
*prominula* Nyl. (1861)  
*rheitrophila* Zsch. (1922)  
     *V. kernstockii* Zsch. (1927)  
*sandstedei* B. de Lesd. (1911)  
     *V. lorraine-smithii* Knowles (1913)  
*simplex* McCarthy (1988)  
*striatula* Wahlenb. (1803)  
*viridula* (Schrader) Ach. (1803)  
*xyloxena* Norm. (1867)  
     *V. melaenella* Vainio (1921)

- Vestergrenopsis** Gyelnik (1940)  
     *elaeina* (Wahlenb. ex Ach.) Gyelnik (1940)

- Vezenia** Tscherm.-Woess & Poelt (1976)  
     *acicularis* Coppins (1987)  
     *aestivalis* (Ohl.) Tscherm.-Woess & Poelt (1976)  
     *leprosa* (P. James) Vězda (1977)  
     *retigera* Poelt & Döbbeler (1977)  
     *rheocarpa* Poelt & Döbbeler (1977)

- Vorarbergia** Grumm. (1969) - see *Epigloea*.

- Wadeana** Coppins & P. James (1978)  
     *dendrographa* (Nyl.) Coppins & P. James (1978)  
     *minuta* Coppins & P. James (1978)

*Xanthoparmelia* (Vainio) Hale (1974) - see *Parmelia*.

**Xanthoria** (Fr.) Th. Fr. (1880)

*calicicola* Oxner (1937)

*X. aureola* auct. pro parte, non (Ach.) Erichsen (1928)

*candelaria* (L.) Th. Fr. (1861)

*ectaneoides* (Nyl.) Zahlbr. (1931)

*X. parietina* var. *ectanea* auct., non (Ach.) J.J. Kickx (1867)

*elegans* (Link) Th. Fr. (1860)

*parietina* (L.) Th. Fr. (1860)

*polycarpa* (Hoffm.) Th. Fr. ex Rieber (1891)

*ulophyllodes* Räsänen (1931)

*X. fallax* auct. brit., non (Hepp) Arnold (1880)

**Xerotrema** Sherw. & Coppins (1980) [F]

*megalospora* Sherw. & Coppins (1980) [F]

**Xylographa** (Fr.) Fr. (1838)

*abietina* (Pers.) Zahlbr. (1922)

? *X. laricicola* Nyl. (1875)

*trunciseda* (Th. Fr.) Minks ex Redinger (1938)

*vitaligo* (Ach.) Laundon (1963)

**Zamenhofia** Clauz. & Roux (1985)

*coralloidea* (P. James) Clauz. & Roux (1985)

*Porina coralloidea* P. James (1971)

*hibernica* (P. James & Swinscow) Clauz. & Roux (1985)

*Porina hibernica* P. James & Swinscow (1962)

*rosei* (Sérusiaux) P. James (1992)

*Porina rosei* Sérusiaux (1990)

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### Appendix 1

Appendix 1 must be treated with caution as it is likely that some may be re-found in Britain and it is given to stimulate people to actively search for these species. It is interesting to note that Hawksworth *et al.* (1980) identified 36 species as apparently extinct. Six of these, notably *Arthonia elegans*, *Catapyrenium psoromoides*, *Chaenotheca phaeocephala*, *Lecanora achariana*, *Pertusaria bryontha* and *Usnea glabrata*, have been rediscovered. Furthermore, the material on which a further 8 records are based, notably *Bryoria nitidula*, *Cladonia turgida*, *Phaeophyscia ciliata*, *P. muscigena*, *Ramalina capitata*, *Umbilicaria arctica*, *Usnea cavernosa* and *Varicellaria rhodocarpa*, is now considered to have originated from outside Britain.

#### Lichens now apparently extinct in Great Britain and Ireland (not seen since 1900)

- Arthonia galactites (DC.) Dufour (1818)
- A. myriocarpella Nyl. (1863)
- A. subfuscicola (Lindsay) Triebel (1991) [LF]
- Arthothelium spectabile Flotow ex Massal. (1852)
- Aspicilia tuberculosa (Ach.) Laundon (1986)
- Bacidia polychroa (Th. Fr.) Körber (1860)
- B. subturgidula (Nyl.) Zahlbr. (1926)
- Biatora cuprea (Sommerf.) Fr. (1831)
- Bryoria implexa (Hoffm.) Brodo & D. Hawksw. (1977)
- B. pseudofuscescens* (Gyelnik) Brodo & D. Hawksw. (1977)
- Calicium quercinum Pers. (1797)
- C. trabinellum (Ach.) Ach. (1803)
- Caloplaca crenulatella (Nyl.) H. Olivier (1909)
- C. haematites (Chaub. ex St-Amans) Zwackh (1862)
- C. irrubescens (Arnold) Zahlbr. (1898)
- C. pollinii (Massal.) Jatta (1900)
- Catillaria minuta (Massal.) Lettau (1912)
- C. picila (Massal.) Coppins (1989)
- Cetraria juniperina (L.) Ach. (1803)
- Chaenothecopsis debilis (Turner & Borrer ex Sm.) Tibell (1975) [F]
- Cladonia stellaris (Opiz) Pouzar & Vězda (1971)
- Collema conglomeratum Hoffm. (1796)
- Cryptothele rhodosticta (Taylor) Henssen (1990)
- Endocarpon pusillum Hedwig (1789)
- E. pusillum var. pallidum (Ach.) Körber (1855)
- Lecania coeruleorubella (Mudd) M. Mayrh. (1988)
- L. fuscella (Schaerer) Körber (1855)
- L. olivacella (Nyl.) Zahlbr. (1928)
- Lecanora congesta Clauz. & Vězda (1969)
- L. fuscescens (Sommerf.) Nyl. (1871)
- Lecidea fuscescens* Sommerf. (1824)
- L. populicola (DC.) Duby (1830)
- L. pruinosa Chaub. (1821)
- Lecidea advertens Nyl. (1866)



- L. commaculans Nyl. (1868)  
L. paraclitica Nyl. (1872)  
Lecidella pulveracea (Schaerer) H. Sydow (1887)  
Leptogium hildenbrandii (Garov.) Nyl. (1856)  
Melaspilea amota Nyl. (1867)  
M. diplasiospora (Nyl.) Müll. Arg. (1887)  
M. leciographoides Vouaux (1913) [LF]  
Nephroma helveticum Ach. (1810)  
N. resupinatum (L.) Ach. (1810)  
Pertusaria lactescens Müdd (1861)  
P. panyrga auct. brit., non (Ach.) Massal. (1855)  
    *P. hutchinsiae* (Borrer) Leighton (1851)  
? Polyblastia gothica Th. Fr. (1865)  
Stereocaulon tomentosum Fr. (1824)  
Strigula stigmatella (Ach.) R. Harris (1980)  
Thelotrema isidioides (Borrer) R. Sant. (1980)  
Toninia oribata (Nyl.) P. James (1965)  
T. rosulata (Anzi) H. Olivier (1911)  
Tornabea scutellifera (With.) Laundon (1984)  
    *Tornabenia atlantica* (Ach.) Kurok. (1962)

## Appendix 2

## Other excluded species: doubtful taxa or based on dubious records

\* = specimen(s) on which record is based collected by J.M. Crombie and probably originating from outside British Isles.

- \* *Acarospora peliscypha* Th. Fr. (1860)
- Arthonia patellullata* Nyl. (1853)
- A. punctilliformis* Leighton (1876) [F]
- A. stictarum* (Tul.) Th. Fr. (1874) [LF]
- Arthopyrenia grisea* (Schleicher ex Schaerer) Körber (1855)
- A. allogena* (Nyl.) A.L. Sm. (1911) [LF]
- A. aphorisa* (Stirton) A.L. Sm. (1911)
- A. desistens* (Nyl.) A.L. Sm. (1911) [LF]
- A. lomnitzensis* B. Stein (1879) [LF]
- A. platypyrenia* (Nyl.) Arnold (1870)
- A. socialis* Körber (1865)
- A. spilobola* (Nyl.) Arnold (1891)
- Aspicilia cupreogrisea* (Th. Fr.) Hue (1912)
- A. verrucigera* Hue (1912)
- Bacidia hemipolia* (Nyl.) Malme (1865)
- B. herbidula* (Nyl.) Zahlbr. (1926)
- B. killiasii* (Hepp) D. Hawksw. (1983) [LF]
- B. microcarpa* (Th. Fr.) Lettau (1912)
- \* *Bellemerea cinereorufescens* (Ach.) Clauz. & Roux (1984)
- Aspicilia cinereorufescens* (Ach.) Massal. (1852)
- \* *Bryocaulon divergens* (Ach.) Kärnefelt (1986)
- Coelocaulon divergens* (Ach.) R. Howe (1912)
- \* *Bryoria nitidula* (Th. Fr.) Brodo & D. Hawksw. (1977)
- Buellia succedens* (Nyl.) Arnold (1870)
- Caloplaca vitellinula* (Nyl.) H. Olivier (1897)
- \* *Candelariella arctica* (Körber) R. Sant. (1966)
- Catillaria erysiboides* (Nyl.) Th. Fr. (1874)
- Cetraria cucullata* (Bellardi) Ach. (1803)
- \* *C. odontella* (Ach.) Ach. (1814)
- \* *Cladonia acuminata* (Ach.) Norrlin (1875)
- \* *C. amäurocraea* (Flörke) Schaerer (1823)
- C. brevis* (Sandst.) Sandst. (1922)
- \* *C. turgida* Hoffm. (1796)
- Collema rysssoleum* (Tuck.) A. Schneider (1898)
- Cryptothele granuliformis* (Nyl.) Henssen (1984)
- Pyrenopsidium granuliforme* (Nyl.) Forss. (1885)
- Epigloea renitens* (Grumm.) Döbbeler (1984)
- \* *Hypogymnia vittata* (Ach.) Parrique (1898)
- Lecania dubitans* (Nyl.) A. L. Sm. (1928)
- Lecanora cenisia* var. *atrynea* (Ach.) Clauz. & Roux (1985)
- L. pacifica* Tuck. (1882)
- Lecidea callista* Stirton (1874)

- L. calpodes* Stirton (1876)  
*L. sincerula* Nyl. (1876)  
*L. stirtoniana* Zahlbr. (1925)  
*L. relicta* Stirton (1876)  
*Lecidella euphorea* (Flörke) Hertel (1990)  
     *Lecidea dolosa* (Nyl.) Vainio (1893)  
*Lempholemma isidioides* (Nyl. ex Arnold) Magnusson (1939)  
*Leptogium minutissimum* (Flörke) Fr. (1846)  
*Lithographa tesserata* var. *petraea* auct. brit., non (Ach.) Redinger (1937)  
*Melaspilea constrictella* (Stirton) A.L. Sm. (1911)  
*Micarea melaenida* (Nyl.) Coppins (1983)  
     *Catillaria melaenida* (Nyl.) Arnold (1870)  
*Mycocomrothelia melanospora* (Hepp) D. Hawksw. (1982)  
*Mycoporum quercus* var. *ilicis* (Riedl) Coppins (1979) [F]  
\* *Ochrolechia upsaliensis* (L.) Massal. (1852)  
\* *Ophioparma lapponica* (Räsänen) Hafellner & R.W. Rogers (1988)  
     *Haematomma lapponica* Räsänen (1931)  
*Parmelia afrorevoluta* Krog & Swinscow (1979)  
*P. centrifuga* (L.) Ach. (1803)  
     *Arctoparmelia centrifuga* (L.) Hale (1986)  
\* *P. olivacea* (L.) Ach. (1803)  
*Peltigera apthosa* (L.) Willd. (1787)  
*Peltula euploca* (Ach.) Poelt ex Ozenda & Clauz. (1970)  
\* *Pertusaria carneopallida* (Nyl.) Anzi ex Nyl. (1868)  
*P. trochiscea* Norman (1868)  
\* *Phaeophyscia ciliatā* (Hoffm.) Moberg (1977)  
\* *Physcia phaea* (Tuck.) Thompson (1963)  
\* *Physconia muscigena* (Ach.) Poelt (1965)  
*Placynthium majus* Harm. (1913)  
\* *Ramalina capitata* (Ach.) Nyl. (1879)  
\* *R. dilacerata* (Hoffm.) Hoffm (1825)  
\* *R. thrausta* (Ach.) Nyl. (1860)  
*Rhizocarpon grande* (Flörke ex Flotow.) Arnold (1871)  
*R. roridulum* (Th. Fr.) H. Olivier (1981)  
*R. transiens* Eitner (1911)  
*Rinodina arnoldii* Mayrh. & Poelt (1979)  
*R. trachytica* (Massal.) Bagl. & Car. (1880)  
*Stereocaulon botryosum* Ach. (1810)  
*S. paschale* (L.) Hoffm. (1796)  
*Strigula affinis* (Massal.) R. Harris (1980)  
*Thelidium cataractarum* (Hepp) Lönnr. (1859)  
*T. minimum* (Massal. ex Körber) Arnold (1871)  
\* *Tonina alutacea* (Anzi) H. Olivier (1911)  
\* *T. candida* (Web. ex Wigg.) Th. Fr. (1867)  
*T. tristis* (Th. Fr.) Th. Fr. (1874)  
\* *Umbilicaria arctica* (Ach.) Nyl. (1859)  
\* *U. leiocarpa* DC. in Lam. & DC. (1805)  
\* *Usnea cavernosa* (Tuck.) (1850)

- U. foveata Vainio (1928)  
 U. lapponica Vainio (1925)  
 \* Varicellaria rhodocarpa (Körber) Th. Fr. (1871)  
 Verrucaria conturmatula Nyl. (1879) [LF]  
 V. phaeosperma Arnold (1874)  
 V. pseudomemnonia Zsch. (1924)

### Appendix 3

#### Species newly recorded from Great Britain and Ireland

Included are records of lichens recognized as occurring in Great Britain and Ireland subsequent to publication of the *Flora*.

- Acarospora durietzii Magnusson (1924)  
 Arthonia abelonae P.M. Jørg. (1970) [LF]  
 Bacidia igniari (Nyl.) Oxner (1968)  
 B. myrtillicola Erichsen (1939)  
 Carbonea assimilis (Körber) Hafellner & Hertel (1987)  
 Geltingia groenlandiae Alstrup & D. Hawksw. (1990) [LF]  
 Lecanora mughicola Nyl. (1872)  
 L. persimilis (Th.Fr.) Nyl. (1876)  
 Lepraria jackii Tønsb. (1992)  
 \* Leptogium byssinum (Hoffm.) Zwackh ex Nyl. (1856)  
 L. imbricatum P.M. Jørg. in ed. (1993)  
 L. intermedium (Arnold) Arnold (1885)  
 Lichenodium sirosiphoideum Nyl. (1856)  
 Lopadium coralloideum (Nyl.) Lynge (1940)  
 Opegrapha ? monspeliensis Nyl. (1857)  
 O. xerica Torrente & Egea (1992)  
 Parmelia protomatrae Gyelnik (1931)  
 Pyrenula ? microtheca R. Harris (1989)  
 Rhizocarpon ochrolechia (Poelt & Nimis) Hafellner (1992)  
 Rimularia sphacelata (Th.Fr.) Hertel & Rambold (1990)  
 Sarcopyrenia cylindrospora (P. Crouan & H. Crouan) M.B. Aguirre (1990)  
 Thelidium aeneovinosum Anzi (Arnold) (1868)  
 Verrucaria carnea (Arnold) Servit (1948)

\* material previously referred to this species in Britain = *L. biatorinum* (Nyl.) Leighton

## Appendix 4

## New combinations.

**Biatora gyrophorica** (Tønsb.) Coppins comb. nov. Bas.: *Lecidea gyrophorica* Tønsb., *Sommerfeltia* 14: 172 (1992).

**Cladonia polydactyla** var. **umbricola** (Tønsb. & Ahti) Coppins comb. nov. Bas.: *Cladonia umbricola* Tønsb. & Ahti, *Norw. J. Bot.* 27: 307 (1980).

**Moelleropsis humida** (Kullh.) Coppins & P.M. Jørg. comb. nov. Bas.: *Biatora humida* Kullh., *Not. Sällsk. Fauna Fl. fenn. Förh.* 11: 274 (1871).

**Rimularia intercedens** (Magnusson) Coppins comb. nov. Bas.: *Lecanora intercedens* Magnusson, *Acta Horti Gothob.* 6: 17-19 (1930) ("1931").

**Rimularia mullensis** (Stirton) Coppins comb. nov. Bas: *Lecidea mullensis* Stirton, *Scott. Nat.* 4: 166 (1877).

## Notes

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