Lichens and lichenicolous fungi of the Bavarian Forest

Lišejníky a lichenikolní houby německé části Šumavy a Českého lesa

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A checklist of lichens and lichenicolous fungi reported from the German part of the Bohemian Forest Range (the Bavarian Forest) is presented together with the literature sources. The area covered by the checklist is region 37 circumscribed by Grummann (1963). The list comprises 867 species currently accepted as occurring within the area. A further 44 species have been reported from the area, but their occurrence is regarded as doubtful. Seventy-seven mostly infraspecific taxa from 19th century literature sources could not be assigned to any currently accepted name and are listed separately. An overlooked, historical record of *Pyxine sorediata* (Ach.) Mont. is reported as the first and only German record of this species. A linear increase in the number of reported species, with no sign of saturation in recent years, indicates that the lichen flora of the region is still incompletely known. The biogeographic composition of the lichen flora broadly reflects the climatic conditions within the study area. A significantly higher proportion of northern elements among terricolous lichens could indicate a high proportion of glacial relict species within this group. Because of the incomplete floristic inventory and limited distributional data for lichens in general, these conclusions should be viewed with caution.

K e y w o r d s : Bavarian Forest, Bayerischer Wald, Bohemian Forest, Böhmerwald, checklist, lichenicolous fungi, lichens

Introduction

Checklists are a convenient tool for summarizing geographical knowledge on organismal diversity. From a conservation point of view they are a prerequisite for the production of red lists or distribution atlases. Grummann (1963) was the first to publish a checklist of German lichens. His species list was updated by the subsequent lists of Wirth (1994) and Scholz (2000). Grummann and Scholz both include information on the geographical distribution of species. Grummann (1963) assigns them to 39 geomorphological units, while Scholz (2000) notes their occurrence in the 13 German provinces (Bundesländer, excluding Berlin, Hamburg and Bremen). Such geographical information is necessarily imprecise and of little use for local workers. More detailed local and regional checklists and red lists have been compiled for a number of regions within Germany (e.g. John 1990, Hauck 1996, Litterski et al. 1996, Ernst 1997, Jacobsen 1997, Heibel et al. 1999).

The region covered by this list corresponds to Grummann's (1963) "Landschaft 37: Böhmerwald, Bayerischer und Oberpfälzer Wald" (corresponding to the Czech names "Šumava" and "Český les"). The delimitation of this area is very difficult to assess from

the crude map given by Grummann. Grummann's region most probably includes the natural regions "Bayerischer Wald", "Oberpfälzer Wald", "Oberpfälzer Hügelland", "Falkensteiner Vorwald" and the part of "Dungau" that lies north of the river Donau. This part of the area is geologically relatively uniform with a bedrock consisting almost entirely of acidic rocks such as granite and gneiss. Calcareous rocks are only found near the western border of "Landschaft 37" within the regions "Oberpfälzer Bruchschollenland" (between the two rivers Naab and Regen) and areas north of the Donau near Regensburg. The two mountains "Buchberg" and "Helmberg" north of the Donau near Münster also consist of calcareous rocks (see Dürhammer 2003: 22). The calciphilous lichens in this list originate either from localities within these regions or from anthropogenic calcareous substrates (e.g. concrete walls).

After a first compilation of species that could safely be assigned to the area, our list lacked several species that were mentioned by Grummann. We subsequently re-checked all literature references, this time also including localities at the periphery of the area. These references are marked by footnotes with the localities as they appear in the literature. However, attentive readers will still find a number of species, for which Grummann (1963) is the first or the only literature reference. This probably indicates that the delimitation of our area is not completely in accordance with Grummann's. It is often difficult to assign reported localities near the Czech-German border to one of the countries. Many if not most places have Czech as well as German names. Sometimes places on both sides of the border have similar names (e.g. "Eisenstein"). On first view, many publications by Czech authors (e.g. Servít 1911, Hilitzer loc. div., Nádvorník 1947) seem to refer exclusively to the Czech side of the mountain range. On closer examination German localities (e.g. Dreisesselberg = Třístoličník, Arber = Javor, Lusen = Luzný, Osser = Ostrý) are often mentioned in these publications, another possible reason why our list is not completely in accordance with Grummann (1963).

Total number of species

Until the middle of the 20th century the Bavarian Forest was lichenologically poorly explored. Poelt (1966) remarked that the number of species reported from the area was small, compared to other German regions. This was especially remarkable as the Bavarian Forest comprises the largest continuous forest area in Central Europe with some of the best preserved old-growth forests in Germany. During the last decade, the floristic investigation of the Bavarian Forest has made progress (Macher 1992, Bresinsky et al. 1995, Printzen et al. 2002, Berger 2003, Dürhammer 2003) and the number of species from the area has increased considerably. Comparisons of regional floras (e.g. comparisons of diversity, biogeographical comparisons, identification of habitats worth protecting) are only meaningful when they are based on reasonably complete species inventories. Due to taxonomic changes, intensified field work or changing environmental conditions no species inventory can be up to date for more than a few years (Santesson 1993). Nevertheless, regional vascular plant floras of Europe are usually sufficiently well-known to permit even small scale comparisons. This situation is different with lichens. Due to insufficient taxonomic revisions of many groups, nomenclatural and taxonomic changes abound. Furthermore, most lichen species are easily overlooked and the number of specialists is very lim-

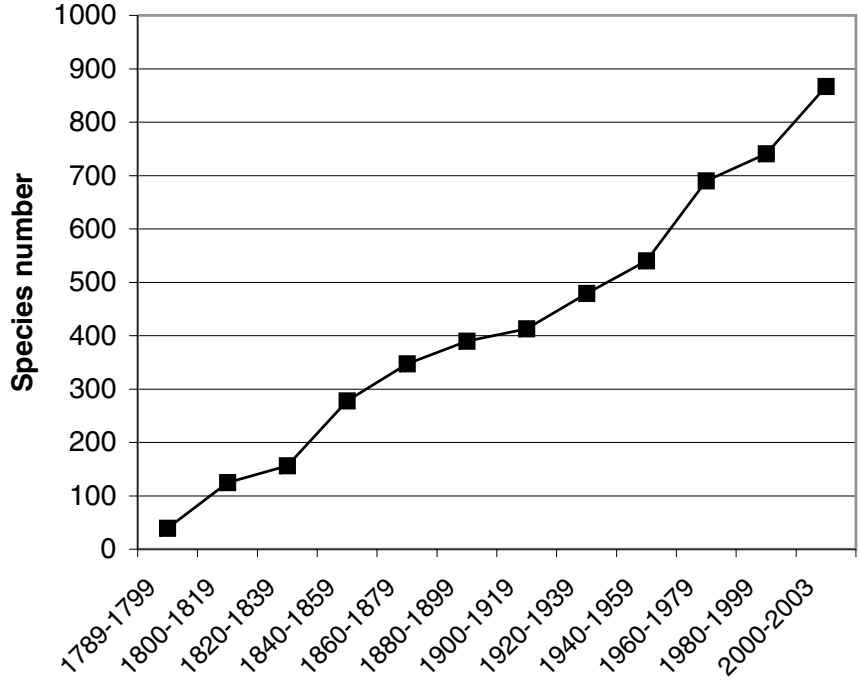

Fig. 1. – Increase in total number of species reported from the Bavarian Forest between 1789 and 2003. The curve does not show any sign of saturation.

ited, so that our knowledge about the distribution of many species is only rudimentary. The development of species numbers for Norway and Sweden since 1984 are instructive. Lichenologically, Scandinavia is among the best explored regions of the world. Nevertheless, Santesson (1993) estimated that on average 29 lichen species per year were added to the Swedish and Norwegian checklist during 1984–1993. This trend does not seem to have levelled off, although exact figures for recent years are missing. For Italy, a similar increase of 20 species per year during the period 1993–2003 is reported by Nimis & Martellos (2003). Before making inferences about the floristic composition, it is therefore useful to check whether the lichen flora of the Bavarian Forest is reasonably well known and whether the current list forms a database for meaningful regional comparisons. Fig. 1 shows the accumulated number of species plotted at 20-year intervals of time since 1789 (the time of the first report of lichens from the region). On average approximately four species were added to the list every year, with the most notable increase of 7.5 species per year between 1960 and 1979. Overall, the line does not show any sign of saturation. In fact, the most recent period 2000–2003 shows an exceedingly high increase due to three large publications (Berger 2003, Dürhammer 2003, Printzen et al. 2002). This indicates that the lichen flora of the Bavarian Forest is still incomplete and that a considerable number of taxa still await detection. This conclusion is also supported by Palice (1999) who reports no less than 46 lichen species from the Czech side of the border that are not included in our list. According to Fig. 2 the accumulated number of macrolichens (fruticose and foliose species) is gradually levelling off, but this trend is offset by the increase in crustose lichens

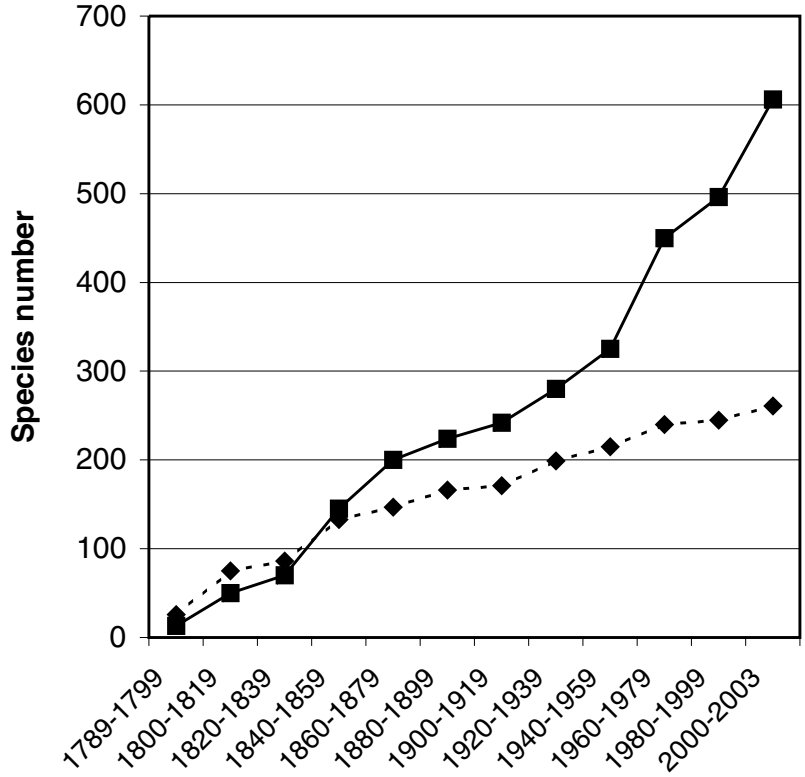

Fig. 2. – Increase in number of crustose (quadrangles, solid line) and fruticose and foliose lichen species (diamonds, broken line) reported from the Bavarian Forest between 1789 and 2003. The lower rate of increase for macrolichens since 1860 is compensated for by an increase in the rate of crustose species reported from the area.

reported since 1960. Finally, Fig. 3 shows that the increase is more irregular when species are divided according to substratum, and that saxicolous and corticolous/lignicolous species display a higher rate of increase recently than terricolous and muscicolous species. This is mainly due to the fact that many of the conspicuous, terricolous species of *Cladonia* and *Peltigera* were among the first lichens reported from the area and fewer species were subsequently added. To summarize, conclusions drawn from floristic comparison and geography of the lichen flora of the Bavarian Forest (and most other regions) have to be interpreted with great caution.

Phytogeographical relationships

In comparison to vascular plants most lichen species are widely distributed. Moreover, as already stated, the distributional areas of many lichen species are often poorly known. These two factors have important implications for phytogeographical analyses, including those of lichens. Firstly, the rather fragmentary distributional data, particularly for inconspicuous crustose lichens, allow little more than educated guesses about phytogeographical relation-

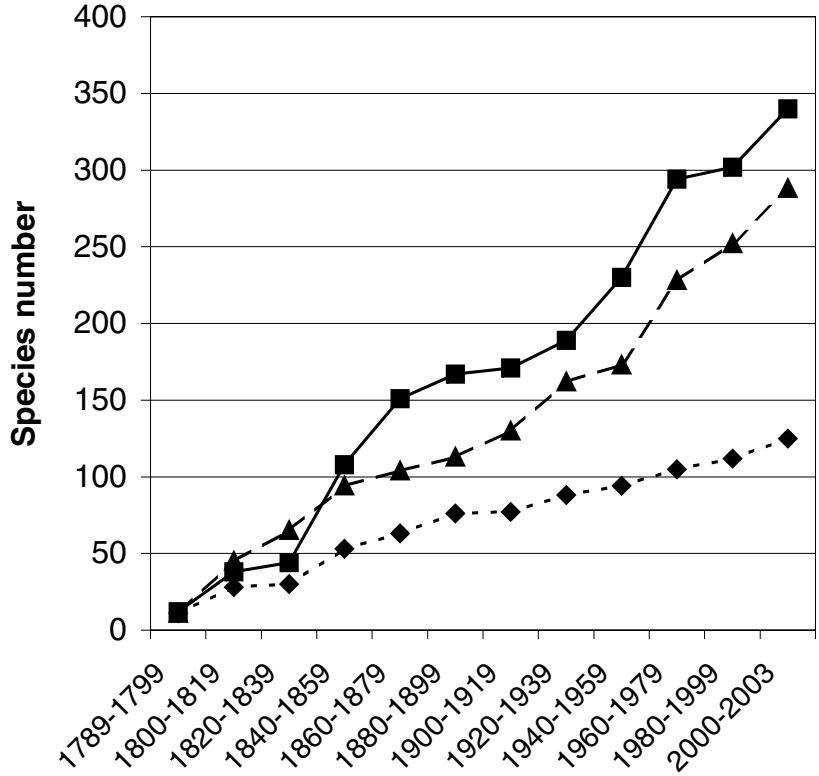

Fig. 3. – Increase in number of saxicolous (quadrangles, solid line), corticolous (triangles, broken line) and terricolous or muscicolous lichen species (diamonds, dotted line) reported from the Bavarian Forest between 1789 and 2003. All curves show a more or less steady increase in species reported from the area.

ships. Secondly, direct floristic comparisons with other Central European mountain ranges of similar size (e.g. Schwarzwald/ Black Forest, Vosges Mts, Harz Mts) are impossible because recent checklists for these areas are lacking. Predictive distributional maps extrapolated from ecological and distributional data, such as those for the lichens of Italy (Nimis & Martellos 2001), may provide a way around the first problem but are unavailable for other regions of Europe. In spite of these problems, we tried to broadly assess the geographical relationships of the lichens in the Bavarian Forest by roughly approximating the geographical range of all reported species on a north-south and an east-west gradient. For this purpose we noted the occurrence of species in checklists for Fennoscandia (Santesson et al. 2004), Italy (Nimis & Martellos 2003), Spain (Feuerer 2005) (N-S gradient), Great Britain (BLS 2005), Fennoscandia (Santesson et al. 2004) and Romania (Feuerer 2005) (E-W gradient). Species occurring either north or south of the Bavarian Forest were assigned to a northern or southern group, respectively. A central European distribution was assumed for species absent from the Scandinavian, Italian and Spanish checklists. This concerned only 8 species (*Acarospora paupera, Bryoria kuemmerleana, Lecanora mughicola, Lecidea viriduloatra, Pyrenopsis picina, Rinodina purpurifera, Usnea intermedia,* and *Verrucaria aethioboloides*), most of which are rarely collected or poorly studied and

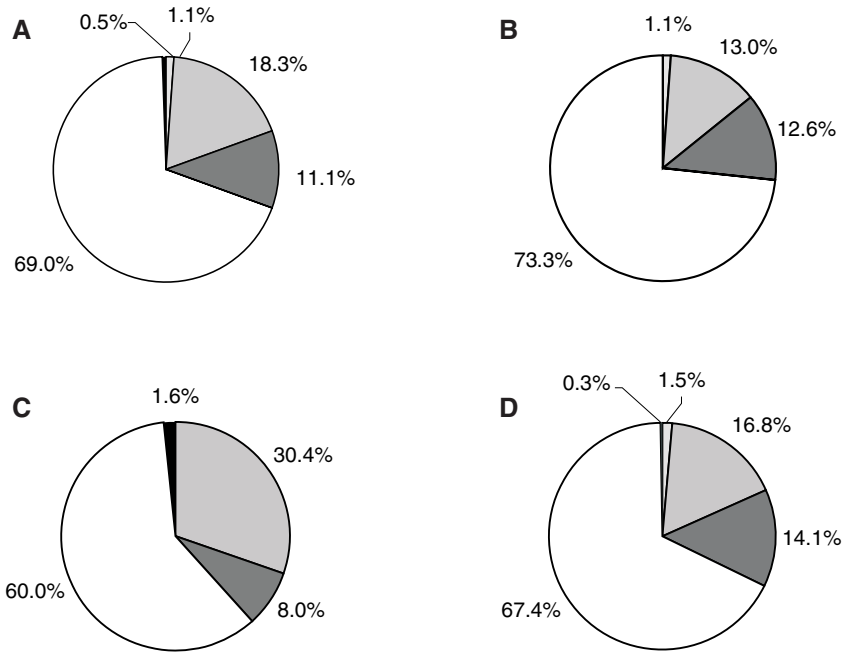

Fig. 4. – Frequency of lichens reported from the Bavarian Forest with either a predominantly central (light grey), northern (grey) and southern (dark grey) distribution, indifferent species (white) and species with an unknown distribution (black). A. all species; B. corticolous and lignicolous species only; C. terricolous and muscicolous species only; D. saxicolous species only.

might be undercollected or synonyms of more broadly distributed taxa. All species occurring both north and south or both east and west of our region were designated as indifferent. *Celothelium lutescens, Chaenothecopsis golubkovae, Cladonia gracilis* subsp. *elongata*, *C. gracilis* subsp. *turbinata, Reichlingia leopoldii, Stigmidium lichenum* and *Thelidium alpinum*, which were not found in the other checklists, or the synonymy of which was unclear, were omitted from the phytogeographical analysis. Along the east-west gradient, i.e. species occurring only west or east of our area, were assigned to a western and eastern group. No group with a Central European distribution was apparent in this case. Again species occurring both west and east of our area were designated as indifferent and the four above mentioned species excluded from the analysis. This approach is not only rather imprecise, but because the nomenclature of lichens is very unstable species might have been missed in one or the other checklist due to the different use of synonyms. Another uncertainty of this approach is the fact that it mostly disregards distributional tendencies of the species within single countries. The mountain ranges of Italy and Spain harbour many species with a predominantly northern (arctic-alpine) distribution. In our approach, these species were regularly treated as indifferent, as they usually also appear in the list for Fennoscandia. Likewise, along the east-west gradient, phytogeographic comparisons are difficult. Truly oceanic species are absent from the area and suboceanic species may often occur far to the east of the Bavarian Forest. The occurrence in country

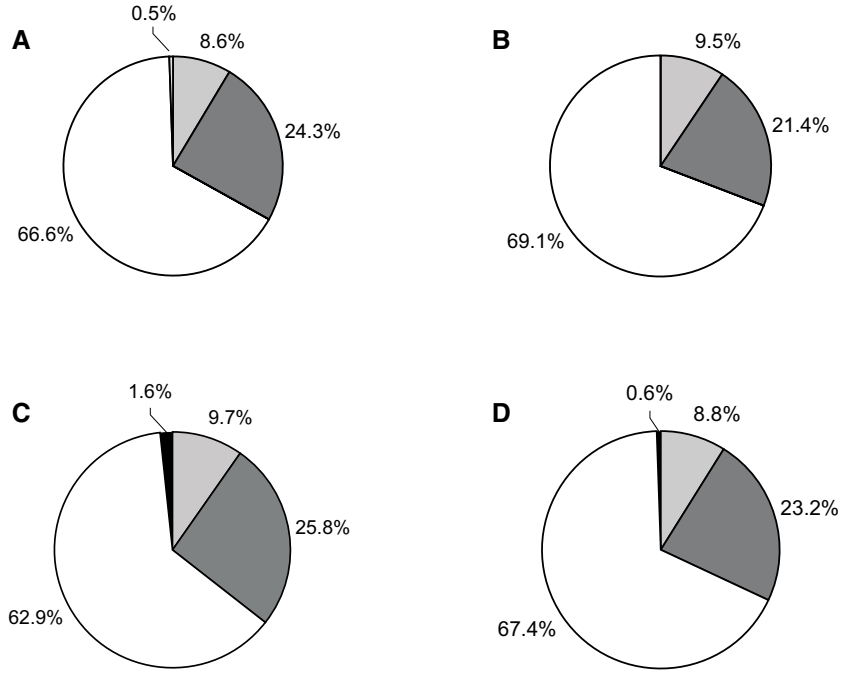

Fig. 5. – Frequency of lichens reported from the Bavarian Forest with either a predominantly eastern (light grey) and western (dark grey) distribution, indifferent species (white) and species with an unknown distribution (black). A. all species; B. corticolous and lignicolous species only; C. terricolous and muscicolous species only; D. saxicolous species only.

checklists is only a very rough approximation and is not direct evidence of the oceanity of a species. In order to slightly refine our approach, species only known from either Finland or Norway (Santesson et al. 2004) were assigned to the eastern or western group, respectively, provided the British or Romanian checklists did not provide contradictory evidence.

Fig. 4 summarizes the distributions of lichens along the north-south gradient. More than two thirds of all species (598) are widely distributed in Europe. Species with a predominantly northern distribution comprise the second largest group (158). Southern species (96) and species restricted to central Europe (8) are of minor importance. The floristic composition thus reflects the climatic conditions in most of the study area. The Bavarian Forest is among the coldest regions of Germany with annual mean temperatures between 2.0–6.5° C. The Bavarian Forest is also home to several glacial relict vascular plant species with an arctic-alpine distribution (e.g. *Betula nana, Carex chordorhiza, Cryptogramma crispa, Juncus trifidus, Ledum palustre, Pseudorchis albida, Pulsatilla vernalis, Swertia perennis*). A northern distribution is especially frequent among terricolous and muscicolous lichens (38 out of 126), and of average frequency among corticolous (39 out of 292) and saxicolous (57 out of 345) species. Hundred and four taxa occurring on more than one substrate were excluded from this part of the analysis. The distributional difference between lichens of different substrata is highly significant (contingeny table χ^2 test: $p = 0.01$), but we can only speculate about the reasons. It seems reasonable to assume that a higher number of glacial

relic species is found among terricolous species (which often occur in open habitats) than among corticolous species, which probably invaded the area from southern refugia.

About 25% of the lichens found in the area show a predominantly western distribution (212), less than 10% can be attributed to the eastern floristic element (74), and the rest do not show either oceanic or continental distribution (571, Fig. 5). This picture again reflects the climatic conditions. The mountain range of the Bavarian Forest is situated at the border between the oceanic and continental influence with cool, humid summers and long, snow-rich winters. In most of the area annual precipitation values range between 1200–2000 mm and air humidity is also high, with more than 200 foggy days per year in some places. Following the historical argumentation outlined above, one could hypothesize that eastern elements are more frequently found among corticolous lichens than among saxicolous and terricolous species, because the two dominant tree species, *Picea abies* and *Fagus sylvatica*, invaded the area from the east and southeast. But such a trend is not visible in our data. Corticolous, saxicolous and terricolous species show more or less equal frequencies in eastern and western elements, and a contingency table χ^2 test is insignificant ($p = 0.89$). Given the inherent uncertainties of this approach, it is tentatively concluded that the biogeographic trends in these data reflect the climatic situation of the Bavarian Forest Range rather than historical relationships to other European regions. Only the predominance of northern elements among the terricolous lichen flora would indicate that historical factors also influenced the composition of the lichen flora.

Species list

The following is an updated checklist of lichens and lichenicolous fungi known to occur in the Bavarian Forest and adjacent regions. We consider only published records and, apart from previous reports by the authors, have not checked whether these records are correct. An exception is the record of *Pyxine sorediata* (Ach.) Mont. (reported by Nádvorník 1947), which is so far missing from the German checklist. This record was verified by the late J. Poelt (Z. Palice, pers. comm.). With the help of the cited literature it should be possible to trace and check material of dubious records. This list more or less follows Vězda & Liška (1999) in format with synonyms listed under each species and literature references (numbers) after the respective synonym. Nomenclature is in accordance with Santesson et al. (2004) and Scholz (2000) with few exceptions. Grummann (1963) and Krempelhuber (1854, 1861), two of the main sources of information on lichens from the area, make excessive use of subspecific taxa. Other authors (Duval 1808, Britzelmayr 1906a) do so occasionally. In the case of Krempelhuber especially, it is next to impossible to decide whether he used the names in a taxonomic sense. Trying to synonymize his varieties and forms with currently used species names proved very difficult. Zahlbruckner's (1922–1940) and Lamb's (1963) catalogues could not resolve all the names. In some cases Schaerer (1850), to whom Krempelhuber frequently refers, proved helpful. We provide a separate list for those names that we could not assign either using the available literature or the help of specialists.

(Abbreviations in the list are as follows: * = lichenicolous fungus; ° = not lichenized; (°) = facultatively lichenized, partly associated with algae or cyanobacteria; + = not mentioned for Bavaria in Scholz (2000); ++ = additions to Scholz (2000); ^{Bf} = Burglengenfeld,

perhaps erroneously reported by Grummann (1963); [Bw] = Böhmerwald, unknown whether on German or Czech side; [By] = (near) Bayreuth, perhaps erroneously reported by Grummann (1963); [R] = (near) Regensburg; [Sp] = Spielberg near Nabeck W of Schwandorf)

**Abrothallus bertianus* De Not.; *Abrothallus caerulescens* Kotte – [208]: 213
**Abrothallus parmeliarum* (Sommerf.) Arnold – [165]: 90
Absconditella lignicola Vězda et Pišút – [30]: 576; [149]: 292; [171]: 28, 44
Absconditella sphagnorum Vězda et Poelt – [41]: 72
Acarospora cervina A. Massal. – [60]: 166; *Acarospora cervina* var. *castanea* f. *discreta* Kremp. – [105]: 172; see [41]: 395
Acarospora fuscata (Schrad.) Th. Fr. – [28]: 466; [30]: 576; [41]: 72, 73, 96, 121, 201, 204, 206, 208, 247, 282, 307, 323, 388; [60]: 166; [77]: 232; [97]: 253, 256, 258, 260; [218]: Tab. XVII, XX; *Acarospora rufescens* (Ach.) Kremp. – [200]: 69; *Lecanora badia* var. *major* Schaer. – [104]: 202, 210
Acarospora heppii (Hepp) Nägeli – [41]: 73
Acarospora impressula Th. Fr.; *Acarospora atrata* Hue – [60]: 166; [157]: 168; [218]: Tab. 19
Acarospora macrospora (Hepp) Bagl. – [41]: 73, 74; [60]: 167; [197]: 16; *Acarospora murorum* A. Massal. – [60]: 167; [130]: 331; [132]: 261; *Acorospora squamulosa* f. *murorum* (A. Massal.) Arnold – [17]: 315
Acarospora nitrophila var. *praeruptorum* (H. Magn.) Clauz. et Cl. Roux – [41]: 74; *Acarospora praeruptorum* H. Magn. – [60]: 168; [97]: 260
Acarospora paupera H. Magn. – [41]: 74
Acarospora peliscypha Th. Fr. – [60]: 168; [97]: 260
Acarospora sinopica (Wahlenb.) Körb. – [60]: 168; [77]: 233; [105]: Tab. I, 174; [113]: 175[Bw]; [216]: 338, 339; [218]: 20, 21, Tab. XVI, Tab. 19; [223]: 113; *Endocarpon sinopicum* Wahlenb. – [104]: 221
Acarospora smaragdula (Wahlenb.) A. Massal. – [60]: 168; [223]: 113; *Endocarpon smaragdulum* Wahlenb. – [104]: 196; *Parmelia cervina* var. *smaragdula* (Wahlenb.) Kremp. – [104]: 218; *Acarospora smaragdula* var. *lesdainii* (A. L. Sm.) H. Magn. – [60]: 168; [132]: 159; *Acarospora smaragdula* var. *lesdainii* f. *fulvoviridula* H. Magn. – [130]: 145; *Acarospora lesdainii* Harm. – [76]: 112
Acarospora veronensis A. Massal. – [60]: 168; [97]: 252, 260; [130]: 195
Acrocordia conoidea (Fr.) Körb. – [22]: 156[R]; [41]: 75[R]
Acrocordia gemmata (Ach.) A. Massal. – [175]: 105
Adelolecia pilati (Hepp) Hertel et Hafellner – [71]: 226; [223]: 117; *Lecidea pilati* (Hepp) Körb. – [165]: 86; [216]: 338; [220]: 119; [218]: Tab. XX, Tab. 3
++Agonimia opuntiella (Buschardt et Poelt) Vězda – [41]: 75
Agonimia tristicula (Nyl.) Zahlbr. – [41]: 76
Alectoria ochroleuca (Hoffm.) A. Massal. – [3]: 179[Bw]; [54]: 31; [60]: 191; [93]: 162[Bw]; [105]: Tab. I, 118; [113]: 229[Bw]; [216]: 338; [218]: Tab. 3; [223]: 119; *Cornicularia ochroleuca* var. *rigida* (Fr.) Schaer. – [104]: 215; *Evernia ochroleuca* (Hoffm.) Fr. – [104]: 197; *Evernia ochroleuca* var. *rigida* Fr. – [104]: 217
Alectoria sarmentosa (Ach.) Ach. – [3]: 180[Bw]; [60]: 191; [74]: 139, 140, 141; [77]: 238; [93]: 168[Bw]; [104]: 213; [113]: 229[Bw]; [127]: 38, 41, 42; 47, 48; [128]: 336, 340; [200]: 80; *Evernia ochroleuca* var. *sarmentosa* (Ach.) Fr. – [104]: 217
Amandinea punctata (Hoffm.) Coppins et Scheid. – [28]: 466; [30]: 576; [41]: 23, 77, 118, 121, 268; [171]: 44; *Buellia myriocarpa* De Not. – [97]: 270; *Buellia myriocarpa* var. *aequata* (Ach.) Sandst. – [97]: 263; *Buellia punctata* (Hoffm.) A. Massal. – [55]: 35[R]; [127]: 45, 71, 76; [128]: 336; [175]: 145; *Buellia punctata* f. *stigmatea* (Schaer.) Erichsen – [60]: 202; *Lecidea parasema* var. *punctiformis* Wahlenb. – [104]: 209
Amygdalaria panaeola (Ach.) Hertel et Brodo – [223]: 122; *Lecidea panaeola* (Ach.) Ach. – [60]: 143; [102]: 248; [104]: 210; [105]: 191; [113]: 150[Bw]; [122]: 68[Bw]; [216]: 340; [218]: Tab. 3
Anaptychia ciliaris (L.) Körb. – [24]: 32; [41]: 77, 79; [60]: 206; [74]: 147; [175]: 68; *Hagenia ciliaris* (L.) Mann – [104]: 195; *Parmelia ciliaris* (L.) Ach. – [104]: 217; *Physcia ciliaris* (L.) DC. – [104]: 213; *Physcia obscura* var. *ciliaris* (L.) Hampe – [53]: 249[R]
+Anema tumidulum Henssen ined. – [41]: 79
Anisomeridium polypori (Ellis et Everh.) M. E. Barr; *Anisomeridium nyssaegenum* (Ellis et Everh.) R. C. Harris – [30]: 576
Anzina carneonivea (Anzi) Scheid. – [149]: 295
Arctoparmelia centrifuga (L.) Hale; *Parmelia centrifuga* (L.) Ach. – [166]: 136; [218]: 67, 71, Tab. 3

Arctoparmelia incurva (Pers.) Hale; *Parmelia incurva* (Pers.) Fr. – [3]: 145[Bw]; [60]: 187; [73]: 12; [78]: 183; [104]: 202, 217; [105]: Tab. I, 135; [166]: 137; [205]: 2,4; [216]: 342; [218]: 67, Tab. XVII, XX, XXI, Tab. 3; [223]: 647

Arthonia arthonioides (Ach.) A. L. Sm. – [24]: 38[Sp]; [41]: 80[Sp]; [60]: 124; [173]: 38[Sp]

Arthonia cinereopruinosa Schaer. – [60]: 124; [80]: 141; [105]: Tab. I, 263; [113]: 113[Bw]

Arthonia didyma Körb. – [28]: 466; [127]: 27, 28, 69, 71; [171]: 44

Arthonia dispersa (Schrad.) Nyl. – [20]: 648[R]

Arthonia elegans auct. brit., non (Ach.) Almq. – [87]: 94

**Arthonia intexta* Almq.; *Arthonia parasemoides* Nyl. – [105]: 296; synonymized with *Lecidella elaeochroma* (Ach.) Choisy by Triebel (1989). Krempelhuber refers to the hymenial parasite.

Arthonia lapidicola (Taylor) Branth et Rostr.; *Coniangium rupestre* var. *fuscum* (A. Massal.) Körb. – [103]: 272[R]

Arthonia leucopellaea (Ach.) Almq. – [60]: 125; [75]: 43; [76]: 106; [80]: 141; [127]: 25, 30, 70, 71; [166]: 115; [171]: 44; [223]: 135; *Arthonia marmorata* Nyl. – [74]: 95, 98; *Arthonia schaereri* A. Massal. – [105]: 263

Arthonia radiata (Pers.) Ach. – [28]: 466; [30]: 576; [41]: 81, 178, 194, 277; [60]: 125; [87]: 94; [127]: 27, 30, 31, 71; *Arthonia radiata* f. *astroidea* Ach. – [60]: 125; *Graphis atra* var. *astroides* (Ach.) Spreng. – [53]: 241[R]

Arthonia ruana A. Massal.; *Arthothelium ruanum* (A. Massal.) Körb. – [28]: 466; [30]: 576; [41]: 83, 178

Arthonia spadicea Leight. – [28]: 466; [30]: 576; [171]: 28, 43, 44

**Arthonia varians* (Davies) Nyl.; *Arthonia glaucomaria* Nyl. – [208]: 214

Arthonia vinosa Leight. – [41]: 82, 306; [171]: 44; *Arthonia lurida* auct. (non Ach. nec auct. brit.) – [73]: 4; [127]: 26, 70, 71; [200]: 60; [220]: 117

(°) *Arthopyrenia analepta* (Ach.) A. Massal.; *Arthopyrenia fallax* (Nyl.) Arnold – [60]: 119; *Arthopyrenia lapponina* Anzi – [127]: 28, 71

++**Arthrorhaphis æruginosa* R. Sant. et Tønsberg – [171]: 28, 44

Arthrorhaphis alpina (Schaer.) R. Sant. – [146]: 300; *Arthrorhaphis citrinella* var. *alpina* (Schaer.) Poelt – [216]: 338; *Lecidea flavovirescens* var. *alpina* Schaer. – [104]: 211; *Raphiospora flavovirescens* f. *citrinella* – [105]: Tab. I, 207

Arthrorhaphis citrinella (Ach.) Poelt – [41]: 84; [88]: 239; [146]: 305; [166]: 128; [223]: 145; *Lecidea citrinella* (Ach.) Ach. – [104]: 211, 220; *Lecidea flavovirescens* var. *citrinella* (Ach.) Schaer. – [104]: 212

Arthrorhaphis grisea Th. Fr. – [41]: 84[Sp], 91[Sp]; [146]: 316; [171]: 44; [223]: 145; *Lahmia fueistingii* Körb. – [166]: 127

Arthrosporum populorum A. Massal. – [30]: 576

Aspicilia aquatica Körb.; *Lecanora aquatica* (Körb.) Hepp – [113]: 199[Bw]; [200]: 73

Aspicilia caesiocinerea (Malbr.) Arnold – [28]: 466; [41]: 23, 84, 85, 97, 199, 206, 251, 388; *Lecanora caesiocinerea* Malbr. – [60]: 174; [80]: 145; [165]: 75, 78

Aspicilia calcarea (L.) Mudd – [41]: 85; *Lecanora calcarea* (L.) Sommerf. – [165]: 72; *Lecidea calcarea* (L.) Leight. – [53]: 242[R]; *Lichen calcareus* L. – [44]: 157[R]; [81]: 140; see [41]: 402; *Psora calcarea* (L.) Hampe – [53]: 251[R]

Aspicilia cinerea (L.) Körb. – [28]: 466; [41]: 85, 86, 251; [97]: 252, 256, 258, 260; [105]: 174; *Aspicilia cinerea* var. *vulgaris* (Schaer.) Körb. – [105]: 174; *Lecanora cinerea* (L.) Sommerf. – [60]: 174; [165]: 78; [200]: 73[Bw]; *Lichen polygonius* Vill. – [44]: 152; *Lichen tessulatus* (Hoffm.) Ach. – [44]: 151[R]; *Parmelia cinerea* (L.) Hepp – [104]: 217; *Psora cinerea* (L.) Fürnrohr – [53]: 251[R]; *Urceolaria cinerea* (L.) Ach. – [104]: 196, 197

Aspicilia contorta (Hoffm.) Kremp. – [28]: 466; [41]: 86; [105]: 175; *Aspicilia contorta* var. *rupicola* (Hoffm.) Kremp. – [105]: 178, 179; *Lecanora contorta* (Hoffm.) J. Steiner – [60]: 175; *Lecanora contorta* var. *cinereovirens* (A. Massal.) Zahlbr. – [60]: 175

Aspicilia gibbosa (Ach.) Körb. – [33]: 204; [218]: Tab. X; *Aspicilia gibbosa* var. *vulgaris* Körb. – [105]: 175; *Lecanora gibbosa* (Ach.) Nyl. – [60]: 175; *Parmelia gibbosa* (Ach.) Kremp. – [104]: 218; *Urceolaria gibbosa* Ach. – [104]: 196, 199, 214

Aspicilia laevata (Ach.) Arnold – [41]: 86; [122]: 174[Bw]; [166]: 129; *Aspicilia cinerea* var. *laevata* (Ach.) Körb. – [105]: 175; *Lecanora laevata* (Ach.) Nyl. – [60]: 175; [113]: 201[Bw]

Aspicilia obscurata (Fr.) Arnold; *Aspicilia cinerea* var. *vulgaris* f. *obscurata* (Fr.) Kremp. – [105]: 174; *Lecanora obscurata* (Fr.) Nyl. – [60]: 176; [113]: 201[Bw]

Aspicilia recedens (Taylor) Arnold – [122]: 172[Bw]; *Aspicilia bohemica* Körb. – [102]: 162; Opiz 1856: 20; *Lecanora badia* var. *bohemica* (Körb.) Kremp. – [105]: 148; *Lecanora bohemica* (Körb.) H. Magn. – [60]: 176; [133]: 33; *Lecanora recedens* (Taylor) Nyl. – [113]: 202[Bw]

+*Aspicilia simoënsis* Räsänen – [41]: 395; *Lecanora simoënsis* (Räsänen) Zahlbr. – [165]: 83

**Athelia arachnoidea* (Berk.) Jülich – [28]: 471; [41]: 87; [208]: 215

Bacidia arceutina (Ach.) Arnold – [28]: 466; [41]: 87

Bacidia bagliettoana (A. Massal. et De Not.) Jatta – [88]: 240; *Bacidia muscorum* (Sw.) Mudd – [19]: 582; [24]: 36; *Biatora muscorum* (Sw.) Fr. – [104]: 220; *Biatora sphaeroides* var. *muscorum* (Sw.) Rabenh. – [104]: 210
Bacidia beckhausii Körb. – [127]: 71, 72
Bacidia circumspecta (Vain.) Malme – [171]: 29, 43, 44
Bacidia incompta (Hook.) Anzi – [171]: 29, 43, 44
Bacidia rosella (Pers.) De Not. – [74]: 83; [127]: 27, 32, 71, 75
Bacidia rubella (Hoffm.) A. Massal. – [28]: 466; [41]: 89; [73]: 6; [127]: 45, 71, 75; [171]: 44; *Bacidia luteola* (Ach.) Mudd – [165]: 59; *Patellaria vernalis* (L.) Spreng. – [53]: 241[R]
Bacidia subincompta (Nyl.) Arnold – [171]: 29, 44
Bacidia trachona (Ach.) Lettau – [28]: 466
Bacidina arnoldiana (Körb.) V. Wirth et Vězda – [28]: 466; [171]: 29, 44
+*Bacidina chloroticula* (Nyl.) Vězda et Poelt – [41]: 90; *Bacidia chloroticula* (Nyl.) A. L. Sm. – [166]: 129
Bacidina inundata (Fr.) Vězda; *Bacidia inundata* (Fr.) Körb. – [60]: 152; [97]: 262
Bacidina phacodes (Körb.) Vězda – [171]: 44; *Bacidia albescens* (Kremp.) Zwackh – [200]: 65; *Bacidia phacodes* Körb. – [127]: 27, 38, 71, 75
Baeomyces rufus (Huds.) Rebent. – [28]: 466; [30]: 576; [41]: 19[Sp], 23, 84, 90, 91[Sp], 136; [60]: 157; [77]: 230; [97]: 253, 254; [192]: 246; [218]: Tab. VI; *Baeomyces rufus* f. *rupestris* (Pers.) Harm. – [60]: 157; [77]: 230; *Biatora byssoides* (L.) Fr. – [104]: 217; *Lichen byssoides* L. – [44]: 159[R]; *Patellaria fungiformis* (Pollich) Hampe – [53]: 244
Bagliettoa baldensis (A. Massal.) Vězda – [41]: 91, 237; *Verrucaria baldensis A.* Massal. – [63]: 33
Bellemerea cinereorufescens (Ach.) Clauzade et Cl. Roux – [223]: 174; *Aspicilia cinereorufescens* (Ach.) A. Massal. – [105]: 175; [218]: Tab. 3; *Lecanora cinereorufescens* (Ach.) Hepp – [60]: 175; [76]: 113; [113]: 200
Biatora chrysantha (Zahlbr.) Printzen – [168]: 99; [171]: 30, 42, 44
Biatora efflorescens (Hedl.) Räsänen ex Printzen – [171]: 44; [170]: 321; *Biatora epixanthoidiza* (Nyl.) Räsänen – [30]: 576; [41]: 93; *Lecidea efflorescens* (Hedl.) Erichsen – [127]: 34, 73, 84; *Lecidea epixanthoidiza* Nyl. – [88]: 241; [166]: 125; [216]: 342
Biatora fallax Hepp – [170]: 321; [171]: 30, 42, 44
Biatora globulosa (Flörke) Fr.; *Biatora anomala* Fr. – [104]: 220; *Catillaria globulosa* (Flörke) Th. Fr. – [75]: 46; [88]: 241; [127]: 72, 77; [165]: 60; *Lecania globulosa* (Flörke) v. d. Boom et Sérus. – [28]: 468
Biatora helvola Hellb. – [30]: 576; [41]: 93; [168]: 99; [171]: 44; *Lecidea helvola* (Hellb.) Hedl. – [88]: 242; [127]: 73, 84
Biatora ocelliformis (Nyl.) Arnold – [168]: 100; [170]: 322; [171]: 42, 44
+*Biatora sphaeroidiza* (Vain.) Printzen et Holien – [171]: 30, 43, 44
Brodoa intestiniformis (Vill.) Goward – [223]: 181; *Hypogymnia intestiniformis* (Vill.) Räsänen – [218]: Tab. XVII, Tab. 3; *Parmelia encausta* (Sm.) Ach. – [3]: 141[Bw]; [60]: 184; [77]: 235; [80]: 147; [105]: 132; [113]: 227[Bw]; *Parmelia ceratophylla* var. *multipunctata* Schaer. – [104]: 202, 215; *Parmelia physodes* var. *encausta* (Sm.) Fr. – [104]: 217
Bryophagus gloeocapsa Arnold – [212]: 1; [223]: 182; *Gloeolecta bryophaga* (Arnold) Vězda – [88]: 241; [166]: 128
Bryoria bicolor (Ehrh.) Brodo et D. Hawksw. – [41]: 93; [127]: 41, 47, 48; [128]: 336; *Alectoria bicolor* (Ehrh.) Nyl. – [23]: 227[Sp]; [60]: 190; [74]: 139, 140, 141; [77]: 238; [80]: 148; [218]: Tab. XXIII; *Evernia jubata* var. *bicolor* (Ehrh.) Fr. – [104]: 197, 217
Bryoria capillaris (Ach.) Brodo et D. Hawksw. – [41]: 93; [127]: 38, 42, 48; [128]: 336; *Alectoria cana* (Ach.) Leight. – [23]: 227[Sp]; [60]: 190; [88]: 239; *Alectoria setacea* (Ach.) Motyka – [175]: 136
Bryoria chalybeiformis (L.) Brodo et D. Hawksw. – [41]: 94, 396; *Alectoria chalybeiformis* (L.) Gray – [60]: 190; [97]: 260; *Alectoria jubata* var. *chalybeiformis* L. (Ach.) – [105]: 118; *Lichen chalybeiformis* L. – [44]: 190[R]
Bryoria fuscescens (Gyeln.) Brodo et D. Hawksw. – [28]: 466; [30]: 576; [41]: 94, 324; [55]: 33; [127]: 30, 38, 41, 42, 48, 49; [128]: 336; *Alectoria fuscescens* Gyeln. – [60]: 191; [175]: 135; *Alectoria jubata* auct. – [23]: 227[Sp]; [60]: 191; [74]: 112, 125, 126, 139, 140, 141, 146, 157, 172, 173, 176; [97]: 270, 273; *Alectoria positiva* (Gyeln.) Motyka – [60]: 191; *Bryoria fuscescens* var. *positiva* (Gyeln.) Brodo et D. Hawksw. – [41]: 94, 95; *Evernia jubata* (L.) Fr. – [104]: 196, 217; *Evernia jubata* var. *jubata* (L.) Kremp. – [104]: 217; *Lichen jubatus* L. – [44]: 190[R]; [198]: 546[Bw]
Bryoria implexa (Hoffm.) Brodo et D. Hawksw. – [127]: 34, 38, 42, 48, 49; [128]: 336; *Alectoria catharinae* Räsänen – [60]: 190; *Alectoria implexa* (Hoffm.) Nyl. – [60]: 191; [74]: 106, 112, 139, 140, 141, 157, 172, 173; [77]: 238; *Bryoria osteola* (Gyeln.) Brodo et D. Hawksw. – [127]: 42, 48, 49; [128]: 336
Bryoria kuemmerleana (Gyeln.) Brodo et D. Hawksw. – [90]: 74
Bryoria nadvornikiana (Gyeln.) Brodo et D. Hawksw. – [127]: 41, 48, 49; *Alectoria nadvornikiana* var. *nadvornikiana* Gyeln. – [60]: 191

Bryoria smithii (Du Rietz) Brodo et D. Hawksw. – [127]: 41, 48, 49; [223]: 189; *Alectoria smithii* Du Rietz – [60]: 191; [93]: 724; [156]: 328; [157]: 168
Buellia aethalea (Ach.) Th. Fr. – [28]: 466; [41]: 96; *Buellia sororioides* Erichsen – [165]: 80
Buellia badia (Fr.) A. Massal. – [41]: 24, 96, 97, 293; [60]: 201; [103]: 187; [165]: 73; *Catolechia badia* (Fr.) Stein – [105]: Tab. I, 186; *Lecidea dubenii* Fr. – [104]: 214, 220
Buellia disciformis (Fr.) Mudd – [60]: 201; [175]: 143; *Buellia disciformis* var. *saprophila* (Ach.) Mudd – [60]: 201; *Buellia parasema* var. *saprophila* (Ach.) Körb. – [200]: 83^{Bw}
Buellia epigaea (Pers.) Tuck. – [60]: 201
Buellia erubescens Arnold – [88]: 240; [127]: 43, 71, 75; [128]: 336; *Buellia zahlbruckneri* J. Steiner – [127]: 71, 76; [165]: 59; [166]: 123
Buellia griseovirens (Sm.) Almb. – [28]: 467; [30]: 576; [41]: 98; [127]: 28, 71, 75; [165]: 59, 66; [171]: 44
+*Buellia leptocline* (Flot.) Körb. – [166]: 129
Buellia schaereri De Not. – [41]: 23, 99, 100, 130; [60]: 202; [80]: 149; [127]: 71, 76; [171]: 44; [200]: 83
Calicium abietinum Pers. – [60]: 122; [127]: 71, 76; *Calicium cerviculatum* Ach. – [105]: 267; *Calicium curtum* Sm. – [104]: 221; *Calicium nigrum* var. *sphaerocephalum* Schaer. – [104]: 209
Calicium adspersum Pers. – [60]: 122; [73]: 4; [74]: 98; [105]: 266; [127]: 26, 72, 76; *Calicium adspersum* var. *roscidum* (Ach.) Schaer. – [104]: 209, 213; *Calicium roscidum* Ach. – [104]: 221
Calicium corynellum (Ach.) Ach.; *Trachelia chlorina* (Ach.) Rabenh. – [104]: 221
Calicium glaucellum Ach. – [89]: 302; [127]: 26, 72, 76; [171]: 44
Calicium lenticulare Ach. – [53]: 253; [60]: 122; [104]: 221; *Calicium virescens* (Schaer.) Hepp – [103]: 295; [113]: 109^{Bw}
Calicium salicinum Pers. – [30]: 576; [41]: 23, 99, 100, 130; [88]: 240; [127]: 26, 72, 76; [165]: 60, 67; [166]: 123; [171]: 44; [200]: 59; *Calicium sphaerocephalum* (L.) Ach. – [105]: 267; *Calycium trachelinum* (Ach.) Ach. – [53]: 253^{R}
Calicium trabinellum (Ach.) Ach. – [60]: 123; [105]: 267; [127]: 24; [200]: 59
Calicium viride Pers. – [60]: 123; [88]: 241; [127]: 25, 26, 72, 77; [128]: 336; [223]: 207; *Calicium hyperellum* (Ach.) Ach. – [73]: 4; [74]: 95, 98, 172; [80]: 140; [104]: 221; [200]: 59; *Calicium viride* f. *subathallina* Vain. – [60]: 123
Caloplaca alociza (A. Massal.) Mig. – [41]: 102; [8]: 602
Caloplaca arenaria (Pers.) Müll. Arg., non auct.; *Caloplaca lamprocheila* (DC.) Flagey – [165]: 77
+*Caloplaca atroflava* var. *submersa* (Nyl.) H. Magn. – [41]: 85, 101, 103, 298, 309
Caloplaca aurantia (Pers.) Hellb. – [41]: 103^{R}
Caloplaca cerina (Hedw.) Th. Fr. – [87]: 94; [127]: 45, 72, 77; [175]: 147; *Caloplaca cerina* var. *chloroleuca* (Sm.) Th. Fr. – [41]: 104^{R}; *Caloplaca cerina* var. *stillicidiorum* (Vahl) Th. Fr. – [73]: 14; *Lichen cerinus* Ehrh. – [44]: 153^{R}; see [41]: 402^{R}; *Lobaria parietina* var. *cerina* (Hoffm.) Hampe – [53]: 249^{R}; see [41]: 409^{R}
Caloplaca cerinella (Nyl.) Flagey – [60]: 196; *Candelariella vittelina* var. *cerinella* (Nyl.) – [97]: 263
Caloplaca cerinelloides (Erichsen) Poelt – [41]: 104, 105
Caloplaca chalybaea (Fr.) Müll. Arg. – [41]: 105; [224]: 79^{R}
Caloplaca chlorina (Flot.) H. Olivier (1909) – [28]: 467; [60]: 16; [97]: 257, 262
Caloplaca chrysodeta (Räsänen) Dombr. – [41]: 105, 106
Caloplaca cirrochroa (Ach.) Th. Fr. – [41]: 106
Caloplaca citrina (Hoffm.) Th. Fr. – [28]: 467; [41]: 107; [60]: 196; [127]: 72, 77; [128]: 336; *Callopisma citrina* (Hoffm.) A. Massal. – [16]: 253^{R}; *Physcia murorum* var. *citrina* (Hoffm.) Arnold – [105]: 142^{Bf}; see [41]: 107
Caloplaca coronata (Körb.) J. Steiner – [28]: 467; [41]: 97, 107; [165]: 69
Caloplaca crenularia (With.) J. R. Laundon; *Biatora ferruginea* var. *festiva* (Ach.) Fr. – [104]: 196, 220; *Blastenia festiva* var. *saxicola* (Schaer.) Kremp. – [105]: 226; *Caloplaca festiva* (Ach.) Zwackh – [60]: 196
Caloplaca crenulatella (Nyl.) H. Olivier – [28]: 467
Caloplaca decipiens (Arnold) Blomb. et Forssell – [28]: 467; [41]: 108; [60]: 198; [79]: 133; [97]: 263; [165]: 69
Caloplaca demissa (Körb.) Arup et Grube – [28]: 467; *Lecanora demissa* (Flot.) Zahlbr. – [41]: 23, 196, 197; [60]: 181; [159]: 51; [165]: 75; [190]: 116
Caloplaca dolomiticola (Hue) Zahlbr. – [41]: 97, 110; [165]: 70; *Caloplaca aurantiacum* var. *diffractum* A. Massal. – [105]: 161^{Bf}; *Caloplaca placidia* var. *diffracta* (A. Massal.) J. Steiner – [60]: 197; *Caloplaca velana* (A. Massal.) Du Rietz – [60]: 198; *Lichen aurantiacus* Lightf. – [44]: 154^{R}
Caloplaca ferruginea (Huds.) Th. Fr.; *Patellaria ferruginea* (Huds.) Hoffm. – [53]: 244
Caloplaca flavescens (Huds.) J. R. Laundon – [41]: 110

Caloplaca flavorubescens (Huds.) J. R. Laundon; *Biatora aurantiaca* auct. – [104]: 220; *Lichen aurantiacus* Lightf. – [44]: 154[R]; *Lichen salicinus* Schrad. – [44]: 153[R]; see [41]: 407[R]; *Lobaria parietina* var. *aurantiaca* (Sommerf.) Hampe – [53]: 249[R]

Caloplaca flavovirescens (Wulfen) Dalla Torre et Sarnth. – [28]: 467; [41]: 111

Caloplaca herbidella (Hue) H. Magn. – [127]: 43, 72, 77

Caloplaca holocarpa (Ach.) A. E. Wade – [28]: 467; [30]: 576; [41]: 111, 113, 119; *Caloplaca lithophila* H. Magn. – [218]: 56; *Caloplaca pyracea* (Ach.) Th. Fr. – [55]: 35; [60]: 197; [97]: 263, 270; *Gyalechia luteoalba* (Turner) Arnold – [16]: 257

Caloplaca irrubescens (Arnold) Zahlbr. – [28]: 466, 467; *Caloplaca subsoluta* (Nyl.) Zahlbr. – [60]: 198; [159]: 50

Caloplaca lactea (A. Massal.) Zahlbr. – [41]: 113, 114; [165]: 69, 71; *Caloplaca ferrarii* (Bagl.) Jatta – [165]: 69, 71; see [41]: 114

Caloplaca magni-filii Poelt – [165]: 81; [218]: Tab. 3

Caloplaca obliterans (Nyl.) Blomb. et Forssell – [60]: 199; [156]: 331; [157]: 168; [158]: 23[Bw]; [223]: 235

+*Caloplaca obscurella* (Körb.) Th. Fr. – [41]: 114; [165]: 60

Caloplaca ochracea (Schaer.) Flagey – [41]: 112, 114, 297; *Callopisma ochraceum* (Schaer.) A. Massal. – [7]: 590

Caloplaca oxfordensis Hedrich; *Caloplaca subpallida* H. Magn. – [41]: 23, 74, 116; [60]: 199; [159]: 50

Caloplaca saxicola (Hoffm.) Nordin – [41]: 115; *Caloplaca murorum* (Hoffm.) Th. Fr. – [60]: 199; [97]: 263; [165]: 69, 77; *Caloplaca murorum* var. *miniata* (Hoffm.) Th. Fr. – [60]: 199; *Lecanora murorum* (Hoffm.) Ach. – [53]: 250[R]; [104]: 199; *Lichen murorum* Hoffm. – [44]: 164[R]; see [41]: 405[R]; *Parmelia murorum* (Hoffm.) Ach. – [104]: 217; *Physcia murorum* var. *miniata* Hoffm. – [105]: 143[Bf]

Caloplaca subpallida H. Magn. – [28]: 467

Caloplaca teicholyta (Ach.) J. Steiner – [41]: 116

Caloplaca variabilis (Pers.) Müll. Arg. – [41]: 117; [105]: 159[R]; [165]: 69, 70

Calvitimela aglaea (Sommerf.) Hafellner; *Lecidea aglaea* Sommerf. – [60]: 139; [104]: 202, 210, 215, 220; [105]: Tab. I, 192; [113]: 146[Bw]; [122]: 68[Bw]; [131]: 100; [216]: 340; [218]: Tab. XVII, XX, Tab. 3; *Lecidella aglaea* (Sommerf.) Kremp. – [103]: 199; *Tephromela aglaea* (Sommerf.) Hertel et Rambold – [223]: 894

Calvitimela armeniaca (DC.) Hafellner; *Biatora viridi-atra* Hepp – [104]: 212, 220; *Lecidea armeniaca* (DC.) Fr. – [60]: 139; [104]: 202, 220; [105]: 192; [113]: 146[Bw]; [122]: 66[Bw]; [131]: 112; [165]: 85; [218]: Tab. 3; *Lecidea viridi-atra* Ach. – [104]: 212, 214, 220; *Lecidella armeniaca* (DC.) Bagl. – [105]: Tab. I; *Tephromela armeniaca* (DC.) Hertel et Rambold – [223]: 894

Candelaria concolor (Dicks.) Stein – [41]: 118; [60]: 184; [77]: 234; [97]: 269, 270, 271, 273; [165]: 79; [175]: 149; *Candelaria concolor* var. *pulvinata* (Anzi) Zahlbr. – [79]: 128

Candelariella aurella (Hoffm.) Zahlbr. – [28]: 467; [41]: 119; [55]: 36[R]; [165]: 69, 70; *Candelaria vitellina* var. *aurella* (Hoffm.) Hazsl. – [105]: 164

Candelariella coralliza (Nyl.) H. Magn. – [28]: 467; [41]: 119, 120, 206, 282, 323; [60]: 183; [159]: 51; [165]: 76, 78, 81; [166]: 117, 129; [190]: 116

+*Candelariella kuusamoënsis* Räsänen – [28]: 467; [41]: 111, 120, 230

Candelariella medians (Nyl.) A. L. Sm. – [41]: 120, 121

Candelariella reflexa (Nyl.) Lettau – [28]: 467; [41]: 121

Candelariella vitellina (Hoffm.) Müll. Arg. – [28]: 467; [30]: 576; [41]: 74, 121, 122, 199, 299, 304, 307, 388; [56]: 402[R]; [60]: 184; [77]: 234; [97]: 253, 256, 258, 260; [165]: 77; [166]: 117, 129; *Candelariella vitellina* var. *assericola* Räsänen – [60]: 184; *Lichen vitellinus* Ehrh. – [44]: 153[R]; see [41]: 408[R]; *Lobaria parietina* var. *vitellina* (Ehrh.) Hampe – [53]: 249[R]; see [41]: 409[R]; *Parmelia vitellina* (Ehrh.) Ach. – [104]: 195, 217

Candelariella xanthostigma (Ach.) Lettau – [28]: 467; [30]: 576; [41]: 96, 114, 122, 199, 240; [55]: 36[R]; [127]: 45, 72, 77; [165]: 60

+*Carbonea assimilis* (Körb.) Hafellner et Hertel – [223]: 248

+*Carbonea intrusa* (Th. Fr.) Rambold et Triebel; *Catillaria intrusa* (Th. Fr.) Th. Fr. – [218]: Tab. XVII[5], XIX[5]

Carbonea vorticosa (Flörke) Hertel – [223]: 250; *Lecidea vorticosa* (Flörke) Körb. – [165]: 86; [218]: Tab. XVII

Catillaria atomarioides (Müll. Arg.) H. Kilias – [41]: 124

Catillaria lenticularis (Ach.) Th. Fr. – [41]: 124, 125

Catillaria nigroclavata (Nyl.) Schuler – [28]: 467; [41]: 125

Catolechia wahlenbergii (Ach.) Körb. (1855!) – [223]: 263; *Buellia pulchella* (Schrad.) Tuck. – [60]: 202; [113]: 243; [157]: 168; [160]: 281; *Buellia wahlenbergii* (Ach.) Sheard – [218]: Tab. 3; *Catolechia pulchella* (Schrad.) A. Massal. – [105]: Tab. I, 186; *Lecidea wahlenbergii* Ach. – [104]: 215, 220

Celothelium lutescens F. Berger et Aptroot – [28]: 467

Cetraria aculeata (Schreb.) Fr. – [41]: 126; *Cornicularia aculeata* (Schreb.) Ach. – [60]: 191; [97]: 265; *Lobaria aculeata* (Schreb.) Hoffm. – [43]: 176

Cetraria ericetorum Opiz – [41]: 127[R]; [86]: 142[By]; *Cetraria crispa* (Ach.) Nyl. – [60]: 189; *Cetraria islandica* f. *crispa* Ach. – [24]: 19; *Cetraria tenuifolia* (Retz.) R. Howe – [97]: 265

Cetraria islandica (L.) Ach. – [2]: 132; [24]: 19; [26]: 119, 152, 180; [30]: 576; [41]: 26, 127, 128, 160; [53]: 247; [60]: 190; [72]: 346; [74]: 105; [86]: 144; [97]: 265; [104]: 198, 210, 217; [127]: 34, 54; [150]: 314; [192]: 246, 251, 261, 271, 273; [193]: 569; [203]: 515; [209]: 229; [223]: 271; *Cetraria islandica* f. *platyna* (Ach.) Ach. – [33]: 230; [60]: 190; *Cetraria islandica* f. *sorediata* (Schaer.) Arnold – [60]: 190; Islandmoos – [54]: 32; *Lichen islandicus* L. – [44]: 181[R]; [198]: 527[Bw]

Cetraria muricata (Ach.) Eckfeldt – [41]: 24, 128; [223]: 271; *Cetraria aculeata* f. *alpina* Schaer. – [60]: 191; *Cornicularia aculeata* var. *alpina* Schaer. – [105]: 117

Cetraria sepincola (Ehrh.) Ach. – [41]: 128; [43]: 176; [60]: 190; [77]: 237; [78]: 266; [104]: 217; [127]: 34, 54, 56; [219]: 91, 94, 104, 105, 110; [223]: 275; *Cetraria sepincola* var. *scutata* Wulfen – [105]: 121; *Peltigera chlorophylla* sensu Duval [43]: 176; see [41]: 128

Cetrelia olivetorum (Nyl.) W. L. Culb. et C. F. Culb. – [127]: 38, 43, 54, 56; [166]: 123; [171]: 44; *Cetrelia cetrarioides* (Duby) W. L. Culb. et C. F. Culb. – [30]: 576; [41]: 23, 129; *Parmelia cetrarioides* (Duby) Nyl. – [60]: 186; [73]: 12; [74]: 146, 168; [77]: 237; *Parmelia olivetorum* Nyl. – [73]: 12; [74]: 168

Chaenotheca brachypoda (Ach.) Tibell – [28]: 467; [171]: 30, 43, 44; *Coniocybe sulphurea* (Retz.) Nyl. – [76]: 106

Chaenotheca brunneola (Ach.) Müll. Arg. – [28]: 467; [30]: 576; [41]: 129; [73]: 4; [87]: 94; [127]: 72, 78; [171]: 44; [213]:3

Chaenotheca chlorella (Ach.) Müll. Arg. – [28]: 466, 467

Chaenotheca chrysocephala (Ach.) Th. Fr. – [28]: 467; [30]: 576; [41]: 21[Sp], 23, 100, 130; [73]: 4; [74]: 95; [127]: 24, 26, 72, 78; [175]: 152; [223]: 288; *Calicium chrysocephalum* (Turner) Ach. – [53]: 253; [104]: 221; *Calicium chrysocephalum* var. *filare* Ach. – [104]: 209; *Chaenotheca chrysocephala* f. *filaris* (Ach.) Blomb. et Forssell – [60]: 122; *Cyphelium chrysocephalum* var. *filare* (Ach.) Hepp – [105]: 271

Chaenotheca ferruginea (Sm.) Mig. – [28]: 467; [30]: 576; [41]: 21[Sp], 99, 100, 130, 131; [127]: 24, 72, 78; [171]: 44; [175]: 35; *Chaenotheca melanophaea* (Ach.) Zwackh – [60]: 122; [73]: 4

Chaenotheca furfuracea (L.) Tibell – [28]: 467; [30]: 576; [41]: 131; *Coniocybe furfuracea* (L.) Ach. – [53]: 251[R]; [60]: 121; [104]: 221; *Coniocybe furfuracea* var. *vulgaris* Schaer. – [105]: 273; *Lichen capitatus* Schreb. – [44]: 160[R]

Chaenotheca phaeocephala (Turner) Th. Fr. – [41]: 21[Sp], 130[Sp], 131[Sp], 132, 298; *Chaenotheca chlorella* auct. – [165]: 60, 67

Chaenotheca stemonea (Ach.) Müll. Arg. – [73]: 4; [74]: 98; [127]: 26, 72, 78

Chaenotheca trichialis (Ach.) Th. Fr. – [28]: 467; [30]: 576; [41]: 89, 132, 133; [60]: 122; [74]: 98; [75]: 43; [127]: 26, 72, 78; [171]: 44; *Calicium trichiale* var. *filiforme* Schaer. – [104]: 213; *Calicium trichiale* var. *validum* Schaer. – [104]: 213; *Cyphelium trichiale* (Ach.) De Not. – [104]: 221; [105]: 269

Chaenotheca xyloxena Nádv. – [171]: 31, 44

**Chaenothecopsis consociata* (Nádv.) A. F. W. Schmidt – [223]: 288

°*Chaenothecopsis golubkovae* Titov et Tibell – [28]: 467

**Chaenothecopsis pusilla* (Ach.) A. F. W. Schmidt – [41]: 132; [171]: 31, 43, 44

**Chaenothecopsis pusiola* (Ach.) Vain. – [171]: 44; *Chaenothecopsis lignicola* (Nádv.) A. F. W. Schmidt – [89]: 304

Cheiromycina flabelliformis B. Sutton – [171]: 31, 44

Chromatochlamys muscorum (Fr.) H. Mayrhofer et Poelt; *Microglaena muscorum* (Fr.) Th. Fr. – [127]: 43, 73, 86; [216]: 342

Chrysothrix candelaris (L.) J. R. Laundon – [28]: 467; [30]: 576; [41]: 23, 132, 133; *Lepraria candelaris* (L.) Th. Fr. – [87]: 95; [127]: 24, 26, 73, 86; [217]: 199; *Lichen flavus* Schreb. – [44]: 143[R]

Chrysothrix chlorina (Ach.) J. R. Laundon – [28]: 467; [41]: 19[Sp], 20[Sp], 130[Sp], 134; [171]: 44; *Cyphelium chlorinum* (Ach.) Kremp. – [105]: 272; *Lepraria chlorina* (Ach.) Ach. – [60]: 207; [104]: 195; [218]: Tab. II, Tab. 5, 21

Cladonia amaurocraea (Flörke) Schaer. – [3]: 70[Bw]; [30]: 576; [41]: 397; [60]: 160; [65]: 36[Bw]; [104]: 217; [105]: 111; [113]: 162[Bw]; [194]: 48; [218]: Tab. 3; [223]: 314

+*Cladonia arbuscula* (Wallr.) Flot. – [41]: 26, 160; [60]: 157; [104]: 210, 217; [192]: 260; [193]: 566, 569; *Cladonia rangiferina* f. *adusta* Rabenh. – [32]: 51; [35]: 142; *Cladonia rangiferina* var. *arbuscula* Wallr. – [105]: 114; *Cladonia rangiferina* f. *curta* Britzelm. – [35]: 143; *Cladonia rangiferina* var. *sylvatica* auct. – [104]: 210, 217; [209]: 229; *Cladonia rangiferina* f. *verrucosa* (Harm.) Parrique – [32]: 51; [33]: 229; *Cladonia silvatica* auct. – [24]: 7[Bf]; [77]: 231; [97]: 265

Cladonia arbuscula subsp. *mitis* (Sandst.) Ruoss – [41]: 135, 136; *Cladonia mitis* Sandst. – [41]: 23; [60]: 158; [97]: 265; [150]: 314; [193]: 569

Cladonia arbuscula subsp. *squarrosa* (Wallr.) Ruoss – [26]: 180; [28]: 467; [30]: 576; [40]: 120; [41]: 134, 135; [150]: 314

Cladonia bellidiflora (Ach.) Schaer. – [3]: 68[Bw]; [60]: 159; [65]: 42[Bw]; [104]: 210, 216, 217; [105]: 103; [113]: 162[Bw]; [127]: 54, 56; [187]: 129; [218]: Tab. 3; [223]: 317; *Cladonia bellidiflora* f. *coccocephala* (Ach.) Vain. – [80]: 144

+*Cladonia borealis* S. Stenroos – [28]: 467; [41]: 136[R]

Cladonia botrytes (K. G. Hagen) Willd.; *Lichen botrytes* K. G. Hagen – [44]: 186[R]; see [41]: 402[R]

Cladonia caespiticia (Pers.) Flörke – [28]: 467; [41]: 136

+*Cladonia cariosa* (Ach.) Spreng. – [41]: 136[R], 397; [60]: 160; [97]: 266; *Cladonia cariosa* f. *macrophylla* Nyl. – [15]: 151; *Cladonia cariosa* f. *maiuscula* Del. – [15]: 151

Cladonia carneola (Fr.) Fr. – [41]: 137; [60]: 160; [79]: 125; [104]: 217; *Cladonia pallida* Schaer. – [105]: Tab. I, 107

Cladonia cenotea (Ach.) Schaer. – [28]: 467; [30]: 576; [40]: 124; [41]: 137; [60]: 160; [77]: 231; [104]: 196; [127]: 54, 56; [192]: 271, 273; [200]: 67; [223]: 318; *Cladonia brachiata* (Fr.) Hampe – [104]: 217; *Cladonia cenotea* var. *brachiata* Schaer. – [104]: 213; *Cladonia cenotea* var. *crossota* (Ach.) Nyl. – [80]: 144; *Cladonia cenotea* f. *delicata* Kov. – [60]: 160

+*Cladonia cervicornis* (Ach.) Flot. – [72]: 313; [104]: 217; *Cladonia verticillata* var. *cervicornis* (Ach.) Flörke – [60]: 163; [97]: 265

Cladonia chlorophaea (Sommerf.) Spreng. – [26]: 116, 204; [28]: 467; [40]: 125; [41]: 153; [60]: 160; [72]: 326, 344; [80]: 144; [97]: 265, 267, 271; [104]: 196, 217; [105]: 107; [119]: 510, 522; [127]: 54, 57; [150]: 314; [193]: 569; *Cladonia pyxidata* subsp. *chlorophaea* (Sommerf.) V. Wirth – [41]: 388; *Cladonia pyxioides* (Wallr.) Britzelm. – [34]: 240; [36]: 234; [113]: 168

Cladonia ciliata Stirt. – [30]: 576; [41]: 26, 139, 160; [150]: 314; [193]: 569

Cladonia ciliata f. *flavicans* (Flörke) Ahti et De Priest; *Cladonia ciliata* var. *tenuis* (Flörke) Ahti – [41]: 139; *Cladonia tenuis* (Flörke) Harm. – [60]: 158; [97]: 265

Cladonia coccifera (L.) Willd. – [28]: 467; [33]: 190; [40]: 125; [41]: 23, 26, 140, 147, 398; [60]: 159; [127]: 54, 57; [193]: 569; [218]: Tab. XXI, XXIII; *Cladonia coccinea* Hoffm. – [53]: 244; *Cladonia cornucopioides* (Pers.) Fr. – [104]: 217; [209]: 229; *Cladonia extensa* Schaer. – [104]: 216; [105]: 104; *Lichen cocciferus* L. – [44]: 184

Cladonia coniocraea (Flörke) Spreng., nom. cons. prop. – [26]: 116, 147, 180, 203; [28]: 467; [30]: 577; [40]: 126, 137; [41]: 140, 141, 143; [52]: 103; [72]: 312, 344; [97]: 265, 267, 271; [127]: 33, 54, 57; [128]: 336; [193]: 569; *Cladonia ochrochlora* (Flörke) Vain. – [28]: 468; [40]: 137; [60]: 162; [74]: 106; [104]: 211; [127]: 34, 54, 59

Cladonia cornuta (L.) Hoffm. – [24]: 13; [41]: 141; [77]: 231; [127]: 54, 57; *Cladonia cornuta* f. *cylindrica* Schrad. – [77]: 231; [60]: 160

Cladonia crispata (Ach.) Flot. – [30]: 577; [41]: 141; [60]: 160; [154]: 94, 98, 99; [193]: 569; [223]: 322; *Cladonia crispata* f. *divulsa* (Delise) Arnold – [24]: 13; *Cladonia crispata* var. *gracilescens* (Rabenh.) Vain. – [14]: 90; [24]: 13

Cladonia cryptochlorophaea Asahina – [41]: 153

Cladonia decorticata (Flörke) Spreng. – [24]: 18; [41]: 142; [60]: 161; *Cladonia squamosa* var. *decorticata* Schaer. – [105]: 112

Cladonia deformis (L.) Hoffm. – [28]: 467; [30]: 577; [40]: 127; [41]: 26, 142; [60]: 159; [97]: 265; [104]: 196, 197, 213, 216, 217; [105]: 103; [127]: 54, 57; [193]: 569; [200]: 67; ? *Cladonia deformis* f. *cornuta* Torsell – [200]: 67; *Cladonia deformis* f. *crenulata* Ach. – [77]: 231; [104]: 197

Cladonia digitata (L.) Hoffm. – [28]: 468; [30]: 577; [40]: 128; [41]: 26, 142, 143; [52]: 103; [60]: 159; [74]: 106, 139, 140; [77]: 231; [72]: 326; 344; [97]: 265, 267, 271; [104]: 217; [127]: 33, 34, 54, 57; [128]: 336; [150]: 314; [171]: 44; [193]: 569; *Cladonia digitata* f. *alba* Schaer. – [104]: 210, 213; *Cladonia digitata* var. *monstrosa* (Ach.) Vain – [77]: 231; [80]: 144; *Lichen digitatus* L. – [44]: 184

Cladonia fimbriata (L.) Fr. – [15]: 146; [24]: 15; [28]: 468; [30]: 577; [40]: 129, 130; [41]: 84, 143, 257; [60]: 161; [74]: 55, 112, 139, 140, 141, 146, 168; [77]: 231; [104]: 196, 213, 217; [127]: 33, 54, 58; *Lichen fimbriatus* L. – [44]: 184[R]

Cladonia floerkeana (Fr.) Flörke – [60]: 159; [77]: 231; [97]: 265, 267; [127]: 54, 58; [200]: 66; *Cladonia macilenta* subsp. *floerkeana* (Fr.) V. Wirth – [41]: 147, 148

Cladonia foliacea (Huds.) Willd. – [41]: 144; [60]: 161; *Cladonia alcicornis* (Lightf.) Fr. – [97]: 266

Cladonia furcata (Huds.) Schrader – [26]: 146, 180; [28]: 468; [30]: 577; [40]: 131; [41]: 23, 26, 144, 145, 257; [60]: 161; [72]: 326, 344; [104]: 197, 217; [127]: 54, 58; [150]: 314; [190]: 116; [191]: 107; [193]: 569; *Cladonia furcata* f. *palamaea* (Ach.) Nyl. – [60]: 161; [97]: 265; *Cladonia furcata* var. *pinnata* (Flörke) Vain. – [60]: 161; [77]: 231; *Cladonia furcata* var. *pinnata* f. *foliolosa* (Duby) Vain. – [60]: 161; [77]: 231; *Cladonia furcata* var. *racemosa* (Hoffm.) Flot. – [104]: 197; *Cladonia furcata* var. *recurva* (Hoffm.) Sandst. –

[104]: 196; *Cladonia furcata* f. *regalis* (Flörke) H. Olivier – [77]: 231; *Cladonia furcata* var. *spinosa* (Hoffm.) – [104]: 197; *Cladonia furcata* var. *subulata* Flörke – [104]: 196; *Cladonia racemosa* Hoffm. – [104]: 197; *Lichen furcatus* Huds. – [44]: 187[R]; *Lichen spinosus* Huds. – [44]: 188 [R]; see [41]: 408[R]

Cladonia glauca Flörke – [24]: 18[Bf, Sp]; [41]: 146; [72]: 326, 346

Cladonia gracilis (L.) Willd. subsp. *gracilis* – [28]: 468; [30]: 577; [33]: 193, 194; [40]: 132; [41]: 23, 26, 146, 147, 148; [60]: 161; [72]: 346, 361; [104]: 217; [127]: 54, 58; [150]: 314; [193]: 569; [209]: 229; [223]: 327; *Cladonia gracilis* var. *chordalis* (Flörke) Schaer. – [77]: 231; [97]: 265; *Cladonia gracilis* var. *hybrida* (Hoffm.) Schaer. f. *montana* – [105]: 108; *Lichen gracilis* L. – [42] : 171; [44]: 184

Cladonia gracilis subsp. *elongata* (Wulfen) Vain.; *Cladonia elongata* (Jacq.) Hoffm. – [60]: 161; [77]: 232; *Cladonia gracilis* var. *elongata* (Jacq.) Flörke – [77]: 231; [80]: 144

Cladonia gracilis subsp. *turbinata* (Ach.) Ahti – [104]: 213, 216; *Cladonia gracilis* var. *dilatata* f. *anthocephala* (Flörke) Sandst. – [77]: 232

Cladonia grayi Sandst. – [40]: 133, 134; [41]: 153, 154; [119]: 510, 521; *Cladonia pyxidata* subsp. *grayi* (Sandst.) Wirth – [72]: 344

Cladonia macilenta Hoffm. – [28]: 468; [30]: 577; [40]: 121, 122; [41]: 26, 148, 388; [52]: 103; [60]: 159; [72]: 326; [97]: 265; [104]: 196, 199, 217; [127]: 54, 58; [171]: 44; [192]: 261; [200]: 66; [209]: 229; *Cladonia bacillaris* (Leight.) Arnold – [77]: 231; [97]: 265; [127]: 54, 56; [177]: 186; [192]: 271; *Cladonia macilenta* var. *styracella* (Ach.) Vain. – [77]: 232; *Lichen filiformis* Ach. – [42]: 172; [44]: 184[R]

Cladonia macroceras (Delise) Hav. – [30]: 577; [41]: 398; *Cladonia elongata* f. *laontera* (Delise) Vain. – [60]: 161; [77]: 232; *Cladonia gracilis* f. *laontera* (Delise) Sandst. – [77]: 232; *Lichen elongatus* Jacq. – [44]: 185

Cladonia merochlorophaea Asahina – [40]: 136; [41]: 154; [119]: 511, 522

Cladonia novochlorophaea (Sipman) Brodo et Ahti; *Cladonia merochlorophaea* var. *novochlorophaea* Sipman – [41]: 155

Cladonia parasitica (Hoffm.) Hoffm. – [60]: 162; *Cladonia cenotea* var. *crossata* (Ach.) Nyl. – [77]: 231; *Cladonia cenotea* var. *crossota* f. *delicata* (Kov.) Anders – [80]: 144; *Cladonia delicata* auct. – [177]: 186

Cladonia phyllophora Hoffm. – [28]: 468; [41]: 26, 149; [127]: 34, 54, 59; *Cladonia degenerans* (Flörke) Spreng. – [24]: 14; [60]: 161; [97]: 265; [104]: 196, 197, 210, 217; [105]: 110; *Cladonia degenerans* var. *glabra* Schaer. "tubaeformis dilacerata" – [104]: 213; *Cladonia degenerans* "tubaeformis simpliciuscula" Schaer. – [104]: 197

Cladonia pleurota (Flörke) Schaer. – [28]: 468; [40]: 138; [41]: 26, 149, 150; [60]: 159; [72]: 346; [97]: 265; *Cladonia cornucopioides* var. *pleurota* (Flörke) Nyl. – [104]: 217; *Cladonia extensa* var. *pleurota* (Flörke) Kremp. – [105]: 104

+*Cladonia polycarpoides* Nyl. – [41]: 150; *Cladonia subcariosa* auct. – [24]: 18

Cladonia polydactyla (Flörke) Spreng. – [127]: 54, 59; [194]: 48; *Cladonia flabelliformis* Vain. – [60]: 159; [74]: 140; *Cladonia polydactyla* f. *detrita* – [80]: 144; *Cladonia polydactyla* f. *haplodactyla* (Flörke) – [77]: 232

Cladonia portentosa (Dufour) Coem. – [41]: 26, 150, 151, 160; [150]: 314; [192]: 271; *Cladonia impexa* Harm. – [60]: 158; [97]: 265; *Cladonia sylvatica* f. *tenuis* Flörke – [24]: 7, 228

Cladonia pocillum (Ach.) Grognot – [41]: 76, 155, 156

+*Cladonia pulvinata* (Sandst.) van Herk et Aptroot; *Cladonia cervicornis* subsp. *pulvinata* (Sandst.) Ahti – [41]: 26, 137

Cladonia pyxidata (L.) Hoffm. – [30]: 577; [40]: 140; [41]: 26, 151, 152; [60]: 162; [74]: 168; [104]: 210; [127]: 54, 59; [166]: 128; [177]: 186; [209]: 229; *Cladonia pyxidata* var. *lophyra* (Ach.) Fr. – [24]: 14; [60]: 162; [77]: 232; *Cladonia pyxidata* var. *neglecta* (Flörke) Schaer. – [97]: 266; *Cladonia pyxioides* f. *platydactylum* Wallr. – [34]: 241; *Lichen pyxidatus* L. – [44]: 183[R]

Cladonia ramulosa (With.) J. R. Laundon – [41]: 156; *Cladonia pityrea* (Flörke) Fr. – [55]: 36[R]; *Cladonia pityrea* f. *crassiuscula* (Coem.) Vainio – [179]: 469[Sp]; *Cladonia pityrea* f. *gracilior* (Nyl.) Vainio – [179]: 468[Bw]

Cladonia rangiferina (L.) F. H. Wigg. – [2]: 132, 155; [26]: 180; [30]: 577; [40]: 121; [41]: 26, 156, 157, 160; [60]: 158; [72]: 361; [97]: 265; [104]: 217; [150]: 314; [190]: 116; [192]: 260; [193]: 566, 569; [223]: 337; *Cladonia rangiferina* f. *tenuior* (Delise) Vain. – [77]: 231; *Cladonia rangiferina* var. *vulgaris* Jatta – [104]: 210; *Lichen rangiferinus* L. – [44]: 187[R]

Cladonia rangiformis Hoffm. – [24]: 11[Bf]; [30]: 577; [41]: 157, 158; [60]: 162; *Cladonia rangiformis* var. *pungens* (Ach.) Vain. – [97]: 266

Cladonia rei Schaer. – [40]: 141; [41]: 158; *Cladonia cinerascens* f. *fruticulosa* Flörke – [23] : 231[Sp]; *Cladonia nemoxyna* (Ach.) Arnold – [24]: 16[Bf]

Cladonia squamosa Hoffm. – [26]: 180; [28]: 468; [30]: 577; [40]: 141; [41]: 26, 155, 159 ; [60]: 162; [72]: 326; [104]: 196, 197, 213, 217; [105]: Tab. I, 112; [127]: 54, 59; [150]: 314; [193]: 569; *Cladonia squamosa* var. *denticollis* (Hoffm.) Flörke – [77]: 232; [97]: 265, 267; *Cladonia squamosa* var. *levicorticata* Sandst. – [60]:

162; [80]: 145; *Cladonia squamosa* var. *microphylla* Schaer. – [104]: 197, 210, 213; *Cladonia squamosa* var. *murina* (A. Evans) Hillmann – [77]: 232; *Cladonia squamosa* f. *polychonica* – [24]: 10; *Cladonia squamosa* var. *squamosissima* Flörke – [104]: 211; *Cladonia squamosa* f. *subulata* Schaer. – [24]: 10; *Lichen pleolepis* Ach. – [43]: 176; [44]: 185

Cladonia stellaris (Opiz) Pouzar et Vězda – [41]: 160; [150]: 314; [193]: 565, 566, 569, 570, 571; [223]: 338; *Cladonia alpestris* auct. non (L.) Rabenh. – [54]: 32, 37, 38; [73]: 7; [76]: 111; [104]: 210, 217; [218]: Tab. 3

Cladonia stygia (Fr.) Ruoss – [41]: 160; [150]: 314

Cladonia subrangiformis Sandst. – [179]: 232^{R}; *Cladonia furcata* subsp. *subrangiformis* (Sandst.) Abbayes – [41]: 146

Cladonia subulata (L.) F. H. Wigg. – [28]: 468; [30]: 577; [40]: 142; [41]: 23, 26, 84, 160, 161, 311; [60]: 163; [209]: 229; *Cladonia cornutoradiata* (Vain.) Zopf – [97]: 265; *Cladonia cornutoradiata* f. *repetito-prolifera* Sandst. – [77]: 231; *Cladonia fimbriata* f. *intricata* – [24]: 16^{Sp}; *Cladonia pyxioides* f. *subulata* Britzelm. – [34]: 241; uncertain whether a synonym of *C. subulata* (Ahti in litt.).; *Lichen subulatus* L. – [44]: 187^{R}

Cladonia sulphurina (Michx.) Fr. – [41]: 161; [72]: 344; [171]: 44; [193]: 565, 569; [223]: 342; *Cladonia deformis* f. *gonecha* Ach. – [14]: 79; *Cladonia gonecha* (Ach.) Asahina – [60]: 159; [127]: 54, 58; [187]: 123, 125

Cladonia symphycarpia (Flörke) Fr. – [41]: 162; [60]: 163; [97]: 266; [115]: 21; *Cladonia cariosa* sensu Arnold [15]: 151; see [41]:162; *Cladonia cariosa* f. *corticata* (Vain.) Harm. – [60]: 160; ?*Cladonia fusca* Hoffm. – [53]: 245^{R}; *Lichen symphycarpus* Ach. – [44]: 185^{R}

Cladonia turgida Hoffm. – [33]: 229; [60]: 163; [77]: 232; [105]: Tab. I, 113; [176]: 90; [177]: 186

+*Cladonia uncialis* (L.) F. H. Wigg. – [26]: 180; [30]: 577; [33]: 229; [41]: 26, 162, 163; [60]: 163; [77]: 232; [97]: 265; [104]: 217; [192]: 271; [193]: 566, 569; *Cladonia stellata* Schaer. – [104]: 210; *Cladonia stellata* var. *turgescens* (Delise) Schaer. – [104]: 216; [105]: Tab. I, 112; *Cladonia stellata* var. *uncialis* Schaer. – [104]: 198, 216; *Cladonia uncialis* f. *ambigua* Coem. – [23]: 229^{Sp}; *Lichen uncialis* L. – [42]: 170; [44]: 186^{R}; see [41]: 408^{R}

Cladonia uncialis subsp. *biuncialis* (Hoffm.) M. Choisy – [41]: 162, 163

Cladonia verticillata (Hoffm.) Schaer.; *Cladonia cervicornis* subsp. *verticillata* (Hoffm.) Flot. – [40]: 144; [41]: 26, 137, 138; *Cladonia verticillata* var. *verticillata* (Hoffm.) Schaer. – [60]: 163; [77]: 232

Clauzadea immersa (Hoffm.) Hafellner et Bellem. – [41]: 163, 164; *Lichen immersus* Weber (1778), non Huds. (1762) – [44]: 158^{R}; [81]: 138

Clauzadea metzleri (Körb.) D. Hawksw. – [41]: 164

Clauzadeana macula (Taylor) Coppins et Rambold – [223]: 345; *Aspicilia morioides* Arnold – [218]: Tab. 3; *Lecanora morioides* (Arnold) Blomb. – [60]: 175; [76]: 113; [156]: 325; [157]: 168; [165]: 83

**Clypeococcum hypocenomycis* D. Hawksw. – [28]: 471

Collema crispum (Huds.) F. H. Wigg. – [41]: 165, 166; [165]: 71; *Lichen crispus* Huds. – [81]: 140

Collema cristatum (L.) F. H. Wigg. – [41]: 105, 110, 166; *Collem melaenum* (Ach.) Ach. – [53]: 252; *Lichen cristatus* L. – [44]: 172^{R}

Collema cristatum var. *marginale* (Huds.) Degel. – [165]: 71; *Lichen marginalis* Huds. – [44]: 172^{R}

Collema flaccidum (Ach.) Ach. – [30]: 577; [41]: 167, 370; *Collema rupestre* (Sw.) Rabenh. – [104]: 195, 199, 221

Collema fuscovirens (With.) J. R. Laundon – [28]: 468; [30]: 577; [41]: 167, 370

Collema limosum (Ach.) Ach. – [41]: 167; [165]: 71; *Lichen glaucescens* Hoffm. – [44]: 173^{R}

Collema multipartitum Sm. – [41]: 79, 168

Collema nigrescens (Huds.) DC. – [41]: 399; [53]: 252^{R}; *Lichen nigrescens* Huds. – [44]: 172^{R}

Collema polycarpon Hoffm. – [41]: 168; [165]: 71

Collema tenax (Sw.) Ach. emend. Degel. – [30]: 577; [41]: 169, 370; [53]: 252^{R}; *Collema pulposum* (Schaer.) Ach. – [53]: 252^{R}; *Collema tenax* var. *vulgare* (Schaer.) Degel. – [165]: 71; *Lichen granulatus* Huds. – [44]: 171^{R}; see [41]: 404^{R}; *Lichen tenax* Sw. – [44]: 172^{R}

Cornicularia normoerica (Gunnerus) Du Rietz – [60]: 191; [65]: 51^{Bw}; [216]: 340; [218]: 76, Tab. XX, Tab. 3; [223]: 364; *Cetraria tristis* (Weber) Fr. – [73]: 13; [113]: 219^{Bw}; *Cornicularia tristis* (Weber) Ach. – [104]: 217; [105]: 118

Cyphelium inquinans (Sm.) Trevis. – [60]: 123; [73]: 4; [76]: 106; [127]: 25, 72, 79; [171]: 43, 44; [195]: 117; [220]: 116; *Acolium inquinans* (Sm.) A. Massal. – [105]: 274; *Calicium inquinans* (Sm.) Schaer. – [104]: 209, 213; *Trachylia tympanella* (Ach.) Fr. – [104]: 221

Cyphelium karelicum (Vain.) Räsänen – [60]: 123; [127]: 72, 79; [140]: 12; [195]: 115, 116

Cyphelium tigillare (Ach.) Ach.; *Trachylia tigillaris* (Ach.) Fr. – [104]: 221

Cystocoleus ebeneus (Dillwyn) Thwaites – [28]: 468; [30]: 577; [41]: 19^{Sp}, 169, 170; *Coenogonium nigrum* auct. – [80]: 142; *Cystocoleus niger* auct. – [60]: 132; [218]: Tab. I, II

**Dactylospora purpurascens* Triebel – [207]: 114, 218

+*Dermatocarpon bachmannii* Anders – [41]: 399; [165]: 81

Dermatocarpon luridum (With.) J. R. Laundon – [30]: 577; [41]: 103, 167, 170, 298, 309; *Dermatocarpon aquaticum* (Weiss) Zahlbr. – [76]: 104; [80]: 140; [97]: 262; [226]: 625; *Dermatocarpon fluviatile* (Weber) Th. Fr. – [60]: 116; *Endocarpon fluviatile* Weber – [104]: 199, 221; [105]: 230

Dermatocarpon meiophyllizum Vain. – [60]: 116; [97]: 262

Dermatocarpon miniatum (L.) W. Mann – [28]: 466, 468, 469; [41]: 170, 171; [60]: 116; *Dermatocarpon miniatum* var. *complicatum* (Lightf.) Hellb. – [60]: 116; [76]: 105; *Dermatocarpon miniatum* var. *aetneum* (Tornab.) Zahlbr. – [60]: 116; *Endocarpon complicatum* (Lightf.) Ach. – [53]: 240; *Endocarpon miniatum* (L.) Gärt. – [53]: 240[R]; [104]: 221; *Endocarpon miniatum* var. *canum* Kremp. – [104]: 195; *Endocarpon miniatum* var. *complicatum* (Lightf.) Schaer. – [104]: 199, 221; [105]: 229; *Endocarpon miniatum* var. *umbilicatum* Schaer. – [105]: 229; *Lichen miniatus* L. – [44]: 174[R]

Dibaeis baeomyces (L. f.) Rambold et Hertel – [28]: 468; [30]: 577; [40]: 146; [41]: 26, 171; *Baeomyces roseus* Pers. – [60]: 157; [77]: 230; [97]: 265; [104]: 195, 217; [105]: 116; [153]: 99; *Patellaria rosea* (Pers.) Hampe apud Fürnr. – [53]: 244[R]

Dimerella lutea (Dicks.) Trevis. – [127]: 43, 72, 79

Dimerella pineti (Ach.) Vězda – [28]: 468; [30]: 577; [41]: 171, 172; [171]: 32, 44; *Microphiale diluta* (Pers.) Zahlbr. – [200]: 61

Diploschistes gypsaceus (Ach.) Zahlbr.; *Diploschistes ochrophanes* Lettau – [166]: 120

Diploschistes muscorum (Scop.) R. Sant. – [41]: 172; *Diploschistes bryophilus* (Ach.) Zahlbr. – [60]: 130; [166]: 116, 120; *Diploschistes terrestris* – [97]: 266; the combination *Diploschistes terrestris* does not exist. *Urceolaria scruposa* var. *terrestris* Pers. is synonymous with *Diploschistes muscorum* (Lumbsch in litt.).

Diploschistes scruposus (Schreb.) Norm. – [28]: 468; [41]: 19[Sp], 24, 121, 124, 173, 174, 245, 293; [60]: 131; [77]: 228; [80]: 141; [97]: 253, 258; [166]: 116; [190]: 116; [218]: Tab. II, XVII, XXI; *Lichen scruposus* Schreb. – [44]: 151; *Parmelia scruposa* (Schreb.) Hepp – [104]: 217; *Psora scruposa* (Schreb.) Hampe apud Fürnr. – [53]: 251; *Urceolaria scruposa* var. *vulgaris* Schaer. – [104]: 196, 198, 210, 212, 215; [105]: Tab. I, 170

Diplotomma alboatrum (Hoffm.) Flot.; *Buellia alboatra* (Hoffm.) Th. Fr. – [41]: 96; [127]: 45, 71, 75; *Buellia ambigua* (Ach.) Malme – [60]: 201; *Buellia epipolia* s. l. – [41]: 97; *Diplotomma epipolium* var. *laineum* Arnold – [19]: 590[Sp]; *Lecidea albo-atra* (Hoffm.) Chev. – [53]: 243[R]

Diplotomma venustum Körb.; *Buellia epipolia* s. l. – [41]: 97, 98; *Buellia venusta* (Körb.) Lettau – [165]: 69, 70

Dirina massiliensis Durieu et Mont.; *Dirina stenhammari* (Stenh.) Poelt et Follmann – [28]: 468

Endocarpon pusillum Hedw. – [3]: 29[R]; [41]: 174; [165]: 72; [226]: 653; *Dermatocarpon schaereri* (Hepp) Körb. – [5]: 75[R]; [103]: 308[R]

**Endococcus propinquus* (Körb.) D. Hawksw. – [41]: 175; [207]: 102; *Tichothecium gemmiferum* (Taylor) Körb. – [165]: 91

Enterographa zonata (Körb.) Torrente et Egea – [28]: 468; [30]: 577; [41]: 175; [223]: 386; *Lichen epiphegus* Ach. – [44]: 147[R]; see [41]: 403[R]; *Opegrapha horistica* (Leight.) Stein – [174]: 400; [216]: 340; [217]: 199; [218]: Tab. I, Tab. II; *Opegrapha zonata* Körb. – [60]: 127; [80]: 141; [105]: Tab. I, 260

+*Ephebe lanata* (L.) Vain.; *Lichen lanatus* L. – [81]: 149; see [41]: 405

(°)*Epigloea bactrospora* Zukal – [61]: 217

(°)*Epigloea medioincrassata* (Grummann) Döbbeler; *Vorarlbergia medioincrassata* Grummann – [61]: 217, 221

Evernia divaricata (L.) Ach. – [23]: 227[Sp]; [30]: 577; [41]: 175, 176, 324; [104]: 217; [128]: 336; [165]: 67; *Evernia prunastri* var. *divaricata* (L.) Hampe apud Fürnrohr – [53]: 247[R]; *Letharia divaricata* (L.) Hue – [60]: 190; [74]: 95, 98, 125, 147, 172; [77]: 237; [127]: 38, 42, 48, 50; [200]: 79; *Lichen divaricatus* L. – [44]: 192[R]; [81]: 149

Evernia prunastri (L.) Ach. – [23]: 227[Sp]; [28]: 468; [30]: 577; [41]: 23, 176, 298; [55]: 38[R]; [60]: 190; [74]: 94, 95, 112, 140, 147, 154, 156, 172, 173; [80]: 148; [97]: 270, 273; [104]: 217; [127]: 28, 38, 39, 41, 48, 50; [128]: 336; [165]: 67; [192]: 246; [209]: 229; *Evernia prunastri* f. *gracilis* Ach. – [60]: 190; [80]: 148; *Evernia prunastri* f. *soredifera* Ach. – [60]: 190; *Lichen prunastri* L. – [44]: 182[R]; *Physcia prunastri* (L.) DC. – [104]: 213

Evernia prunastri var. *herinii* (Duv.) Maas Geest. – [41]: 176

Fellhanera bouteillei (Desm.) Vězda – [28]: 468; [30]: 577; [41]: 177; *Catillaria bouteillei* (Desm.) Zahlbr. – [220]: 119

Fellhanera subtilis (Vězda) Diederich et Sérus. – [28]: 468; [171]: 44; [223]: 395; *Bacidia subtilis* Vězda – [166]: 123

Fellhanera viridisorediata Aptroot, Brand et Spier – [28]: 468

Fellhaneropsis myrtillicola (Erichsen) Sérus. et Coppins – [28]: 468

Flavocetraria cucullata (Bellardi) Kärnefelt et Thell; *Cetraria cucullata* (Bellardi) Ach. – [54]: 31; [60]: 189; [65]: 21[Bw]; [77]: 237; [78]: 287; [104]: 215, 217; [105]: 122; [113]: 219[Bw]; [218]: Tab. 3; [223]: 273

Flavocetraria nivalis (L.) Kärnefelt et Thell; *Cetraria nivalis* (L.) Ach. – [3]: 173[Bw]; [54]: 31; [60]: 190; [77]: 237; [78]: 290; [98]: 95, 96; [104]: 215, 217; [105]: Tab. I, 122; [113]: 219[Bw]; [122]: 197[Bw]; [218]: Tab. 3; [223]: 273; *Lichen nivalis* L. – [198]: 524

Flavoparmelia caperata (L.) Hale; *Lichen caperatus* L. – [44]: 169[R]; [81]: 136[R]; *Lobaria caperata* (L.) Hoffm. – [53]: 248[R]; *Parmelia caperata* (L.) Ach. – [41]: 23, 242; [60]: 186; [77]: 236; [104]: 195, 217; [190]: 116

Frutidella caesioatra (Schaer.) Kalb – [91]: 584; [101]: 501; *Lecidea caesioatra* Schaer. – [60]: 140; [114]: 199; [165]: 85; [218]: Tab. 3; *Lecidella caesioatra* (Schaer.) Kalb – [89]: 305; *Lecidea arctica* Sommerf. – [102]: 243; [104]: 202, 215, 220; [105]: 198; [113]: 146[Bw]; [122]: 65[Bw]; *Lecidella arctica* (Sommerf.) Körb. – [105]: Tab. I; [148]: 101

Fuscidea austera (Nyl.) P. James – [41]: 177, 178; [223]: 401; *Lecidea aggregatilis* Grummann – [165]: 84; [217]: 199, 201; [218]: Tab. XIX

Fuscidea cyathoides (Ach.) V. Wirth et Vězda – [28]: 466, 468; [223]: 401; *Biatora rivulosa* (Ach.) Th. Fr. – [104]: 220; *Biatora rivulosa* f. *saxicola* Fr. – [104]: 198; *Biatora rivulosa* var. *superficialis* (Schaer.) Körb. – [105]: 215; *Biatora rivulosa* var. *superficialis* f. *saxicola* Kremp. – [104]: 202; *Lecidea cyathoides* (Ach.) Ach. – [60]: 145; *Lecidea rivulosa* Ach. – [129]: 25

Fuscidea kochiana (Hepp) V. Wirth et Vězda – [223]: 401; *Biatora rivulosa* var. *kochiana* (Hepp) Fr. – [104]: 210, 212, 216, 220; [105]: 215; *Lecidea kochiana* Hepp – [60]: 146; [77]: 230; [80]: 143; [113]: 143[Bw]; [218]: Tab. XIX, XX, XXIII; *Lecidea kochiana* var. *albescens* (Lamy) H. Magn. – [76]: 110

+ *Fuscidea gothoburgensis* (H. Magn.) V. Wirth et Vězda; *Fuscidea maculosa* (H. Magn.) Poelt – [145]: 8; [171]: 44; [223]: 405; *Lecidea gothoburgensis* H. Magn. – [217]: 199; [218]: 74, 75, Tab. I, II, Tab. 3; *Lecidea gothoburgensis* f. *maculosa* H. Magn. – [216]: 340

+*Fuscidea praeruptorum* (Du Rietz et H. Magn.) V. Wirth et Vězda – [223]: 405; *Lecidea praeruptorum* Du Rietz. et H. Magn. ("praeruptarum") – [166]: 135

+*Fuscidea pusilla* Tønsberg – [171]: 32, 44

Fuscopannaria leucophaea (Vahl) P. M. Jørg.; *Lecanora microphylla* ("Westr.") Ach. – [53]: 250[R]; *Pannaria leucophaea* (Vahl) P. M. Jørg. – [41]: 240[Sp]; *Pannaria microphylla* ("Westr.") A. Massal. – [23]: 234[Sp]; [105]: Tab. I, 145; *Pannaria microphylla* var. *turgida* (Schaer.) Kernst. – [105]: 145; *Parmelia microphylla* ("Westr.") Fr. – [104]: 199, 209, 217; *Parmeliella microphylla* ("Westr.") Müll. Arg. – [60]: 136

Graphis scripta (L.) Ach. – [28]: 468; [30]: 577; [41]: 83, 178; [60]: 128; [74]: 88, 146; [77]: 227; [80]: 141; [104]: 213; [127]: 27, 28, 30, 72, 79; [128]: 336; [171]: 44; [175]: 51; *Graphis scripta* var. *limitata* (Pers.) Arnold – [60]: 129; *Graphis scripta* var. *pulverulenta* (Pers.) Ach. – [53]: 241[R]; *Graphis scripta* var. *pulverulenta* f. *abietina* (Schaer.) Sandst. – [60]: 129; *Lichen betulignus* (Ach.) Ach. – [44]: 148[R]; *Lichen literellus* Ach. – [44]: 148[R]; *Lichen scriptus* L. – [44]: 148[R]; *Lichen serpentinus* Ach. – [44]: 148[R]; see [41]: 407[R]; *Opegrapha scripta* (L.) Ach. – [104]: 221

+*Gyalecta derivata* (Nyl.) H. Olivier – [171]: 33, 44

Gyalecta flotowii Körb. – [76]: 107; [87]: 94; [113]: 125[Bw]; [127]: 32, 72, 80; [171]: 33, 43, 44; [200]: 61; [211]: 23; [216]: 338

Gyalecta geoica (Ach.) Ach.; *Secoliga geoica* (Wahlenb.) Körb. – [103]: 112[R]

Gyalecta jenensis (Batsch) Zahlbr. – [41]: 179; *Lichen cupularis* Hedw. – [44]: 155[R]

Gyalecta truncigena (Ach.) Hepp – [41]: 179; [74]: 83; [127]: 32, 72, 80; [200]: 61

Gyalecta ulmi (Sw.) Zahlbr. – [41]: 180[R]; [60]: 131; [74]: 83; [127]: 32, 72, 80; [171]: 33, 43, 44; [200]: 61; [211]: 15; [216]: 338; *Lecanora rubra* (Hoffm.) Ach. – [104]: 213; *Parmelia rubra* (Hoffm.) Ach. – [104]: 217; *Psora rubra* (Hoffm.) Hampe – [53]: 251[R]

Gyalidea fritzei (Stein) Vězda – [166]: 130; [167]: 9; [218]: Tab. 3

Gyalideopsis anastomosans P. James et Vězda – [28]: 466, 468; [30]: 577; [41]: 180

Haematomma ochroleucum (Neck.) J. R. Laundon – [41]: 180[Sp]; [192]: 251; [223]: 417; *Haematomma coccineum* (Dicks.) Körb. – [23]: 236[Sp]; [116]: 6[Sp]; [218]: Tab. II; *Lichen haematomma* Dicks. – [44]: 154[R]; *Psora haematomma* (Ehrh.) Hampe – [53]: 251[R]

Haematomma ochroleucum var. *porphyricum* (Pers.) J. R. Laundon – [223]: 417; *Haematomma porphyricum* (Pers.) Zopf – [166]: 120

Heppia lutosa (Ach.) Nyl. – [24]: 24; [41]: 181

Heterodermia speciosa (Wulfen) Trevis. – [127]: 43, 54, 60; *Anaptychia speciosa* (Wulfen) A. Massal. – [60]: 206; [74]: 168; [141]: 76; [183]: 59

Hymenelia epulotica (Ach.) Lutzoni; *Ionaspis epulotica* (Ach.) Arnold – [60]: 182; [80]: 142

Hymenelia heteromorpha (Kremp.) Lutzoni; *Ionaspis heteromorpha* (Kremp.) Arnold – [60]: 182

Hymenelia prevostii (Duby) Kremp. – [41]: 182; *Hymenelia prevostii* var. *rosea* Kremp. – [105]: 167[Bf]; *Lecanora prevostii* (Duby) Th. Fr. – [60]: 176

Hypocenomyce caradocensis (Nyl.) P. James et Gotth. Schneid. – [171]: 33, 45

Hypocenomyce scalaris (Ach.) M. Choisy – [28]: 468, 471; [30]: 577; [41]: 21^{Sp}, 182; [127]: 33, 72, 81; [190]: 116; [196]: 87; *Lecidea scalaris* (Lilj.) Ach. – [55]: 47^{R}; [60]: 148; *Psora ostreata* Hoffm. – [97]: 271, 273

Hypogymnia austerodes (Nyl.) Räsänen – [166]: 124

Hypogymnia bitteri (Lynge) Ahti – [127]: 38, 54, 60; [128]: 336, 338, 339; [165]: 61; [220]: 122; [223]: 428; *Parmelia obscurata* auct. – [3]: 140^{Bw}; [73]: 11

Hypogymnia farinacea Zopf – [41]: 183; [171]: 45; *Hypogymnia bitteriana* (Zahlbr.) Räsänen – [127]: 34, 39, 41, 42, 55, 60; [128]: 336; [166]: 115; *Parmelia bitteriana* Zahlbr. – [60]: 184; [77]: 235; [78]: 53; [80]: 146; [97]: 273; *Parmelia farinacea* Bitter – [3]: 140^{Bw}; [74]: 139, 140, 141, 146

Hypogymnia physodes (L.) Nyl. – [26]: 146; [28]: 468; [30]: 577; [41]: 23, 183, 184, 324; [55]: 39^{R}; [127]: 25, 26, 27, 28, 30, 31, 33, 34, 38, 39, 41, 42, 43, 55, 60; [128]: 336, 338; [165]: 59, 61; [166]: 115, 126; [171]: 45; [190]: 116, 388; [192]: 246; [193]: 569; [200]: 77; [218]: Tab. XXIII; *Imbricaria physodes* (L.) DC. – [23]: 232^{Sp}; *Lichen physodes* L. – [44]: 168^{R}; *Lobaria physodes* (L.) Hoffm. – [53]: 248^{R}; [81]: 136^{R}; *Parmelia ceratophylla* var. *physodes* (L.) Schaer. – [104]: 199; *Parmelia physodes* (L.) Ach. – [60]: 185; [74]: 84, 94, 95, 98, 106, 112, 125, 126, 139, 140, 141, 146, 154, 157, 172, 173; [77]: 235; [97]: 258, 266, 267, 270; [104]: 196, 217; [200]: 77; [209]: 229; *Parmelia physodes* f. *labrosa* Ach. – [60]: 185; *Parmelia physodes* f. *vittatoides* Mereschk. – [60]: 185; [97]: 271

Hypogymnia tubulosa (Schaer.) Hav. – [28]: 468; [30]: 577; [41]: 23, 184, 185, 324; [127]: 34, 38, 42, 55, 60; [128]: 336; *Parmelia tubulosa* (Schaer.) Bitter – [60]: 185; [74]: 126, 141, 146, 157; [77]: 235; [78]: 74; [97]: 273

Hypogymnia vittata (Ach.) Parrique – [41]: 400; [127]: 34, 38, 55, 60; [128]: 336; [171]: 43, 45; [223]: 432; *Imbricaria physodes* var. *vittata* (Ach.) Körb. – [7]: 589; [23]: 232^{Sp}; *Imbricaria vittata* (Ach.) Arnold – [15]: 162; *Parmelia physodes* var. *vittata* Ach. – [104]: 198, 217; *Parmelia vittata* (Ach.) Nyl. – [3]: 139^{Bw}; [60]: 185; [74]: 106, 112, 139, 140, 141, 157, 172; [77]: 235; [78]: 70; [200]: 77

Hypotrachyna revoluta (Flörke) Hale; *Parmelia revoluta* Flörke – [104]: 197

Hypotrachyna sinuosa (Sm.) Hale; *Parmelia sinuosa* (Sm.) Ach. – [3]: 152^{Bw}; [60]: 188; [104]: 195, 197, 212, 217; [105]: 131; [113]: 225^{Bw}; [122]: 189^{Bw}; [204]: 11^{Bw}

Icmadophila ericetorum (L.) Zahlbr. – [41]: 185; [60]: 182; [77]: 234; [80]: 144; [223]: 433; *Biatora icmadophila* (L.f.) Fr. – [104]: 197, 220; *Lichen aeruginosus* Scop. – [44]: 155^{R}; *Lichen elveloides* Weber – [81]: 150; [198]: 512^{Bw}; *Lichen ericetorum* L. – [44]: 159^{R}; see [41]: 403^{R}; *Patellaria icmadophila* (L.) Müll. Arg. – [53]: 244^{R}

Immersaria athroocarpa (Ach.) Rambold et Pietschm.; *Lecidea athroocarpa* (Ach.) Ach. – [216]: 340; [218]: Tab. XX, XXI, XXII

Imshaugia aleurites (Ach.) S. L. F. Meyer – [28]: 468; [41]: 186, 187; *Lichen aleurites* Ach. – [44]: 168^{R}; *Parmelia aleurites* (Ach.) Ach. – [104]: 217; *Parmelia ambigua* var. *albescens* (Wahlenb.) Fr. – [104]: 217; *Parmeliopsis aleurites* (Ach.) Nyl. – [60]: 184; [77]: 235; [127]: 33, 34, 55, 66; [175]: 110

Ionaspis ceracea (Arnold) Hafellner et Türk; *Aspicilia ceracea* Arnold – [18]: 409; *Hymenelia ceracea* (Arnold) Poelt et Vězda – [41]: 181

Ionaspis lacustris (With.) Lutzoni; *Aspicilia lacustris* (With.) Th. Fr. – [97]: 262; *Lecanora lacustris* (With.) Nyl. – [60]: 175

Ionaspis odora (Ach.) Stein – [60]: 182; [157]: 168; [218]: Tab. 3; [223]: 436

Lasallia pustulata (L.) Mérat – [28]: 468; [41]: 23, 85, 96, 97, 119, 124, 186, 187, 251, 282, 323, 388; [60]: 165; [105]: Tab. I, 180; [151]: 59; [190]: 116; [192]: 246; [218]: Tab. X; [223]: 438; *Lichen pustulatus* L. – [44]: 175; [81]: 146; *Umbilicaria pustulata* (L.) Hoffm. – [33]: 198; [51]: 257^{Bw}; [53]: 242^{R}; [60]: 165; [76]: 112; [77]: 232; [79]: 126; [80]: 145; [97]: 256, 258, 260; [104]: 196, 199, 221

Lecanactis abietina (Ach.) Körb. – [45]: 60; [60]: 129; [73]: 5; [74]: 95, 98; [77]: 227; [80]: 141; [127]: 25, 72, 81; [171]: 45; [223]: 440; *Lecanactis abietina* b. *spermogonifera* Kremp. – [105]: 262; *Pyrenothea leucocephala* (Ach.) Fr. – [104]: 197, 213, 221

+*Lecanactis dilleniana* (Ach.) Körb. – [165]: 81; [220]: 118

Lecanactis latebrarum (Ach.) Arnold – [28]: 468; [41]: 187^{Sp}; [45]: 169^{Sp}; [171]: 45; [223]: 443; *Lepra latebratum* (Ach.) Rabenh. – [24]: 48^{Sp}

Lecania cuprea (A. Massal.) van den Boom et Coppins – [19]: 570; [41]: 187

Lecania cyrtella (Ach.) Th. Fr. – [28]: 468; [30]: 577; [41]: 188; *Biatorina cyrtella* (Ach.) Th. Fr. – [13]: 527; *Lecidea anomala* var. *cyrtella* (Ach.) Ach. – [104]: 209

Lecania erysibe (Ach.) Mudd – [218]: 56

Lecania naegelii (Hepp) Diederich et van den Boom – [28]: 468; *Bacidia naegelii* (Hepp) Zahlbr. – [41]: 89; [60]: 153; [127]: 45, 71, 74; [200]: 64; *Lecidea naegelii* (Hepp) Stizenb. – [202]: 20^{R}

Lecanora albella (Pers.) Ach. – [41]: 190; [74]: 84; *Lecanora pallida* (Schreb.) Rabenh. – [59]: 494; [60]: 179; [104]: 197; [127]: 27, 28, 30, 31, 72, 83; [128]: 336; *Parmelia albella* (Pers.) Ach. – [104]: 217; *Psora albella* (Pers.) Hampe apud Fürnrohr – [53]: 251^{R}

Lecanora albescens (Hoffm.) Branth et Rostr. – [28]: 468; [30]: 577; [41]: 191; [60]: 176; [77]: 233; [218]: 56

Lecanora allophana Nyl. – [30]: 577; [41]: 122, 191; [127]: 45, 72, 81; [165]: 61; [128]: 336; *Lecanora subfusca* (L.) Ach. (nom. rej.) – [74]: 84, 88, 94, 146, 157; [77]: 233; [104]: 197; *Lecanora subfusca* var. *vulgaris* Rabenh. – [104]: 213; *Lichen subfuscus* L. – [44]: 154^{R}; see [41]: 408^{R}; *Parmelia subfusca* (L.) Ach. – [104]: 217

Lecanora argentata (Ach.) Malme – [30]: 577; [41]: 192; [171]: 45; *Lecanora subfuscata* H. Magn. – [60]: 181; [97]: 270, 273; [127]: 27, 28, 30, 31, 34, 38, 39, 41, 72, 83; [128]: 336; [190]: 116

Lecanora bicincta Ramond – [60]: 177; *Lecanora rupicola* f. *caerulata* (Ach.) Zahlbr. – [60]: 180; *Lecanora stenhammari* (Körb.) Jatta – [113]: 210^{Bw}; *Lecidea caesiopruinosa* Schaer. – [104]: 215, 220; *Zeora caesiopruinosa* Kremp. – [105]: Tab.1, 166

Lecanora cadubriae (A. Massal.) Hedl. – [88]: 241; [127]: 72, 81; [165]: 61; [223]: 467

+*Lecanora caesiosora* Poelt – [165]: 82

Lecanora campestris (Schaer.) Hue – [28]: 468; [41]: 192, 193; [165]: 78, 82; *Lecanora subfusca* var. *campestris* (Schaer.) Rabenh. – [105]: 149; *Parmelia subfusca* var. *campestris* (Schaer.) Kremp. – [104]: 195, 217

Lecanora carpinea (L.) Vain. – [30]: 577; [41]: 122, 193, 194, 298; [55]: 38; [60]: 177; [97]: 270, 273; [127]: 31, 72, 82; [128]: 336; [165]: 67; *Lecanora carpinea* f. *cinerella* (Flörke) Erichsen – [60]: 177; *Lichen angulosus* Schreb. – [44]: 156^{R}; *Psora subfusca* var. *angulosa* (Schreb.) Hampe – [53]: 251^{R}

+*Lecanora cateilea* (Ach.) A. Massal. – [104]: 211; *Lecanora subfusca* var. *cateilea* Ach. – [104]: 196; *Parmelia cateilea* (Ach.) Kremp. – [104]: 217

Lecanora cenisia Ach. – [60]: 177; [80]: 145; [104]: 198, 211, 212, 214; [105]: 150; [111]: 74; [113]: 204^{Bw}; [218]: Tab. II; [223]: 469; *Lecanora atrynea* (Ach.) Nyl . – [60]: 177; [113]: 204^{Bw}; [200]: 74; *Lecanora cenisia* var. *integrella* Schaer. – [105]: 151; *Lecanora cenisia* var. *soredians* Suza – [166]: 130; *Lecanora subfusca* var. *atrynea* Ach. – [105]: 149; *Parmelia cenisia* (Ach.) Kremp. – [104]: 217

Lecanora chlarotera Nyl. – [28]: 468; [30]: 577; [41]: 194, 336; [55]: 40^{R}, 41; [127]: 31, 45, 72, 82; [128]: 336; [165]: 61, 62; [208]: 228

Lecanora chloroleprosa (Vain.) H. Magn. – [166]: 111, 131

Lecanora conferta (Fr.) Grognot – [60]: 178; *Lecanora subfusca* var. *conferta* (Fr.) Schaer. – [104]: 195; [105]: 149

Lecanora conizaeoides Cromb. – [30]: 577; [41]: 194, 195; [55]: 40, 43; [83]: 388; [171]: 42, 45; *Lecanora varia* f. *pityrea* (Erichsen) Grummann – [60]: 181; [97]: 263

Lecanora crenulata Hook. – [28]: 468; [41]: 196; [60]: 178; *Lecanora subfusca* f. *crenulata* de Lesd. – [105]: 149

Lecanora dispersa (Pers.) Sommerf. – [24]: 29^{Sp}; [28]: 469; [41]: 196, 197; [55]: 44^{R}; [60]: 178; [97]: 263; [165]: 69; [218]: 56

Lecanora epanora (Ach.) Ach. – [28]: 469; [60]: 178; [79]: 127; [157]: 168; [165]: 82; [166]: 132; [216]: 339; [218]: 21, Tab. XVI, Tab. 19; [223]: 473

Lecanora expallens Ach. – [28]: 469; [30]: 577; [41]: 198; [127]: 72, 82; [128]: 336; [166]: 124; [171]: 45

Lecanora exspersa Nyl. – [171]: 33, 45

Lecanora garovaglii (Körb.) Zahlbr. – [41]: 199, 201, 292, 390, 391; [60]: 182; [162]: 511

Lecanora hagenii (Ach.) Ach. – [12]: 571; [30]: 577; [55]: 44^{R}; [60]: 179; [104]: 214; *Lecanora umbrina* f. *lithophila* (Wallr.) Kreyer – [60]: 181

+*Lecanora handelii* J. Steiner – [166]: 132; [223]: 477

+*Lecanora intricata* (Ach.) Ach. – [30]: 577; [41]: 199; [60]: 179; [77]: 233; [80]: 146; [97]: 253, 256, 258; [165]: 88; [194]: 49; [200]: 75; [218]: Tab. XVII, XX; [223]: 477; *Biatora polytropa* var. *intricata* (Ach.) Fr. – [104]: 220; *Lecanora polytropa* var. *intricata* (Ach.) Schaer. – [104]: 220; [105]: 152

Lecanora intumescens (Rebent.) Rabenh. – [41]: 199; [60]: 179; [77]: 233; [127]: 30, 31, 72, 82; [128]: 336; [200]: 74

Lecanora latro Poelt – [165]: 83; [166]: 133; [218]: Tab. XVII, Tab. 3

Lecanora lojkaeana Szatala – [41]: 200; [164]: 260^{Sp}

Lecanora marginata (Schaer.) Hertel et Rambold; *Lecidea elata* Schaer. – [60]: 141; [131]: 127; [218]: Tab. 3; *Lecidea marginata* Schaer. – [60]: 143; [105]: 192; [122]: 71^{Bw}; *Lecidella marginata* (Schaer.) Körb. – [105]: Tab. I

Lecanora mughicola Nyl. – [60]: 179; [157]: 168

Lecanora orosthea (Ach.) Ach. – [28]: 469; [41]: 23, 200, 201, 202; [97]: 255; [223]: 479; *Biatora orosthea* (Ach.) W. Mann – [104]: 212; *Lecidea sulphurea* f. *orosthea* (Ach.) Poelt – [165]: 82; *Lecidea sulphurea* f. *petrophila* (Th. Fr.) Hedl. – [60]: 147; *Parmelia orosthea* (Ach.) Fr. – [104]: 195, 217; *Zeora orosthea* (Ach.) Flot. – [105]: 166

Lecanora persimilis (Th. Fr.) Nyl. – [28]: 469
Lecanora phaeostigma (Körb.) Almb.; *Biatora phaeostigma* Körb. – [105]: 217; *Lecanora obscurella* (Sommerf.) Hedl. – [60]: 179; [127]: 72, 82
Lecidea obscurella (Sommerf.) Nyl. – [76]: 110
Lecanora polytropa (Hoffm.) Rabenh. – [28]: 469; [41]: 86, 96, 202, 295, 307, 323, 388; [60]: 180; [77]: 233; [80]: 146; [97]: 253, 256, 258, 260; [165]: 88; [217]: 201; [218]: Tab. V, VI, XVII, XIX, XX, XXI, XXII; *Biatora polytropa* (Ehrh.) Fr. – [104]: 220; *Lecanora ehrhartiana* (Ach.) Fr. – [53]: 250^{R}; *Lecanora polytropa* var. *alpigena* (Ach.) Rabenh. – [60]: 180; [104]: 202, 215; [105]: Tab. I, 151; *Lecanora polytropa* var. *alpigena* f. *acrustacea* Schaer. – [104]: 210; *Lecanora polytropa* var. *campestris* (Wallr.) Rabenh. – [60]: 180; [105]: 151; *Lecanora polytropa* var. *campestris* f. *acrustacea* Schaer. – [104]: 199
Lecanora populicola (DC.) Duby; *Lecanora distans* (Ach.) Nyl. – [60]: 178
Lecanora pulicaris (Pers.) Ach. – [30]: 577; [41]: 203; [127]: 72, 83; [128]: 336; [171]: 45; *Lecanora chlarona* (Ach.) Nyl. – [97]: 270; *Lecanora coilocarpa* (Ach.) Nyl. – [89]: 304; *Lecanora pinastri* (Schaer.) H. Magn. – [60]: 180; [80]: 146
Lecanora ramulicola (H. Magn.) Printzen et P. May – [169]: 67; [171]: 34, 45
Lecanora rouxii S. Ekman et Tønsberg; *Lepraria flavescens* Cl. Roux et Tønsberg – [41]: 218
Lecanora rupicola (L.) Zahlbr. – [28]: 469; [41]: 86, 121, 199, 203, 204, 251, 282; [60]: 180; [77]: 233; [97]: 257, 258; [165]: 78, 83; [208]: 214; *Lichen rupicola* L. – [81]: 144; see [41]: 407; *Lecanora glaucoma* var. *sordida* (Pers.) Chev. – [104]:199; *Lecanora rupicola* var. *rupicola* (L.) Zahlbr. – [118]: 150; *Parmelia glaucoma* (Hoffm.) Ach. – [104]: 195, 196, 197, 217
+*Lecanora rupicola* subsp. *subplanata* (Nyl.) Leuckert et Poelt – [41]: 204; *Lecanora subplanata* Nyl. – [165]: 75, 84; *Lecanora subradiosa* Nyl. – [24]: 29^{Sp}; [164]: 259; [165]: 84; [166]: 133; [218]: Tab. 21
Lecanora saligna (Schrad.) Zahlbr. – [41]: 205; [60]: 180; [127]: 45, 72, 83; *Lecanora effusa* (Hoffm.) Ach. – [200]: 75
+*Lecanora saligna* var. *sarcopis* (Ach.) Hillmann – [41]: 205
Lecanora sambuci (Pers.) Nyl. – [30]: 577; [41]: 205; [89]: 304
+*Lecanora silvae-nigrae* V. Wirth – [41]: 205, 206; [216]: 339; [218]: Tab. XVII, XX; [223]: 486
+*Lecanora soralifera* (Suza) Räsänen non H. Magn. – [166]: 133; [217]: 201; [218]: Tab. XVII, XIX, Tab. 19; [223]: 487; *Lecanora intricata* var. *soralifera* Suza – [73]: 10
+*Lecanora subaurea* Zahlbr. – [218]: Tab. 19; [223]: 488; *Lecanora hercynica* Poelt et Ullrich 1964 – [165]: 83
Lecanora subcarnea (Lilj.) Ach. – [28]: 469; [217]: 199
Lecanora subcarpinea Szatala – [41]: 206
Lecanora subintricata (Nyl.) Th. Fr. – [127]: 34, 72, 84; [165]: 62; [223]: 489
Lecanora sulphurea (Hoffm.) Ach. – [30]: 577; [41]: 203, 206, 282, 294, 388; [165]: 78; *Lecanora polytropa* var. *sulphurea* (Hoffm.) Schaer. – [104]: 202, 212, 214, 220; *Lecidea sulphurea* (Hoffm.) Wahlenb. – [60]: 147; *Zeora sulphurea* (Hoffm.) Flot. – [105]: 165
Lecanora swartzii (Ach.) Ach. – [118]: 162; [223]: 490
Lecanora symmicta (Ach.) Ach. – [28]: 469; [30]: 577; [41]: 77^{R}, 207; [127]: 31, 34, 72, 84; [171]: 45; *Lecanora symmictera* Nyl. – [74]: 105; [76]: 113
+*Lecanora symmicta* var. *aitema* (Ach.) Th. Fr.; *Lecanora aitema* (Ach.) Hepp – [80]: 145; *Lecidea symmicta* var. *aitema* (Ach.) H. Magn. – [60]: 148
++*Lecanora thysanophora* R. C. Harris – [171]: 34, 45
Lecanora umbrina (Ach.) A. Massal. – [28]: 469; [55]: 44^{R}; [60]: 181; [79]: 127; *Lecanora hageni* var. *umbrina* f. *saxicola* Rabenh. – [105]: 151
Lecanora varia (Hoffm.) Ach. – [28]: 469; [41]: 207; [55]: 46; [60]: 181; [77]: 233; [97]: 269, 270, 273; [128]: 336; *Lichen varius* Hoffm. – [44]: 152^{R}
Lecidea albofuscescens Nyl. – [171]: 34, 42, 45
Lecidea auriculata Th. Fr. – [60]: 139; [80]: 143; [165]: 85
Lecidea betulicola (Kullh.) H. Magn. – [127]: 34, 73, 84
+*Lecidea commaculans* Nyl. – [223]: 517
Lecidea confluens (Weber) Ach. – [60]: 140; [76]: 109; [79]: 124; [104]: 215, 220; [113]: 146^{Bw}; [199]: 320; [218]: Tab. VI, XVII, XIX, Tab. 3; [223]: 512; *Lecidea confluens* var. *leucitica* Schaer. – [104]: 202; [105]: 187; *Lecidea confluens* f. *minuta* Schaer. – [104]: 202; *Lecidea confluens* var. *vulgaris* Schaer. – [104]: 202, 210; [105]: 187; *Lecidea leucitica* (Schaer.) Arnold – [60]: 142; *Lichen confluens* Weber – [81]: 148; see [41]: 403
Lecidea erythrophaea Sommerf. – [171]: 34, 45
Lecidea exigua Chaub. – [88]: 242

Lecidea fuscoatra (L.) Ach. – [28]: 469; [41]: 121, 124, 199, 201, 208, 209, 251, 292, 307, 312; [60]: 141; [70]: 107; [80]: 143; [104]: 197, 220; [165]: 76; [190]: 116; [218]: Tab. XVI; *Lecidea confervoides* var. *fusco-atra* (L.) Schaer. – [104]: 199, 210, 215; *Lecidea fumosa* (Hoffm.) Ach. – [104]: 195; [105]: Tab. I, 189; *Lecidea fumosa* var. *grisella* (Schaer.) Müll. Arg. – [105]: 190; *Lecidea fumosa* var. *nitida* Schaer. – [104]: 202; [105]: 190; *Lecidea fuscoatra* f. *sorediosa* Blomb. – [165]: 85; *Lecidea grisella* Flörke – [97]: 254

Lecidea lapicida (Ach.) Ach. – [60]: 142; [97]: 258; [199]: 339; [218]: Tab. XVII, XX, XXI; [223]: 515; *Lecidea lapicida* f. *ochromeliza* (Nyl.) Harm. – [60]: 142; *Lecidea variegata* Fr. – [105]: 189

Lecidea lapicida var. *pantherina* Ach. – [223]: 515; *Lecidea ambigua* var. *lactea* (Flot.) Fr. – [104]: 202, 220; *Lecidea lithophila* f. *cyanea* (Ach.) Nyl. – [60]: 142; *Lecidea pantherina* (Ach.) Th. Fr. – [60]: 143; [113]: 150[Bw]; [218]: XVII, XIX, XXI

Lecidea leprarioides Tønsberg – [171]: 34, 45

Lecidea lithophila (Ach.) Ach. – [30]: 577 (cf.); [33]: 208; [41]: 400 (cf.), 401; [60]: 142; [192]: 246; [199]: 349; [217]: 203; [218]: Tab. VI; ? *Lecidea lithophila* f. *ochracea* (Nyl.) Arnold – [60]: 142; *Lecidella pruinosa* (Ach.) Nyl. – [105]: 192; Tab. I, 192; *Lecidella pruinosa* f. *oxydata* (Sm.) Körb. – [105]: 192

Lecidea lurida (Ach.) DC. – [41]: 209, 210, 320; *Psora lurida* (Ach.) DC. – [105]: 183

Lecidea nylanderi (Anzi) Th. Fr. – [171]: 35, 42, 43, 45

Lecidea plana (J. Lahm) Nyl. – [60]: 143; [70]: 113; [97]: 253, 254; [217]: 203; [218]: Tab. VI; *Lecidea latypea* Ach. – [60]: 142

Lecidea pullata (Norman) Th. Fr. – [127]: 34, 73, 85; [166]: 125; [171]: 45; [216]: 342; [223]: 521; *Biatora pullata* Norman – [73]: 5; [74]: 106

Lecidea sarcogynoides Körb. – [41]: 210; [165]: 75

+*Lecidea silacea* Ach. (1803) – [104]: 199, 210; [218]: Tab. 19; [223]: 516; *Lichen silaceus* Ach. – [44]: 158; see [41]: 408

+*Lecidea sphaerella* Hedl. – [165]: 62

Lecidea sudetica Körb. – [105]: Tab. I, 187; [122]: 68[Bw]; *Lecidea pantherina* var. *achariana* f. *sudetica* (Körb.) H. Magn. – [60]: 143

+*Lecidea tessellata* Flörke – [60]: 144; *Lecidea spilota* Fr. – [104]: 198, 211, 215, 220

Lecidea turgidula Fr. – [127]: 73, 85; [165]: 63; [223]: 521

+*Lecidea variegatula* Nyl. – [166]: 136; [223]: 521

Lecidea viriduloatra de Lesd. – [60]: 144; [157]: 167; [159]: 52

Lecidella anomaloides (A. Massal.) Hertel et H. Kilias – [28]: 469; [100]: 5; [223]: 523; *Lecidea goniophila* Flörke sensu H. Magn. – [60]: 141; [163]: 88; *Lecidella goniophila* (Flörke) Körb. – [166]: 121

Lecidella asema (Nyl.) Knoph et Hertel – [41]: 210; [223]: 523; *Lecidea subincongrua* var. *subincongrua* Nyl. – [60]: 144; [163]: 86

Lecidella carpathica Körb. – [41]: 211; [165]: 77; *Lecidea carpathica* (Körb.) Szatala – [60]: 140; *Lecidella sabuletorum* (Fr.) Körb. – [41]: 401; [105]: 194

Lecidella effugiens (Nilson) Knoph et Hertel – [41]: 211; [121]: 6; [223]: 525

Lecidella elaeochroma (Ach.) M. Choisy – [28]: 469; [30]: 577; [41]: 122, 199, 211, 212, 240; [55]: 48; [127]: 28, 31, 73, 85; [171]: 45; *Lecanora elaeochroma* Ach. – [128]: 336; *Lecidea ambigua* (A. Massal.) Jatta – [105]: 189; *Lecidea elaeochroma* (Ach.) Ach. – [60]: 140; *Lecidea elaeochroma* var. *rugulosa* (Ach.) Müll. Arg. – [60]: 140; *Lecidea elaeochroma* var. *tumidula* (A. Massal.) Müll. Arg. – [60]: 141; *Lecidea enteroleuca* Ach. – [104]: 220; *Lecidea glomerulosa* (DC.) Steudel – [60]: 141; *Lecidea parasema* auct. – [53]: 242[R]; [74]: 84, 94; [97]: 270; [104]: 197, 220; *Lecidea sabuletorum* var. *enteroleuca* (Ach.) Fr. – [104]: 195, 220; *Lecidella enteroleuca* var. *tumidula* (A. Massal.) Kremp. – [105]: 197; *Lichen parasemus* Ach. – [44]: 157[R]; see [41]: 405[R]

+*Lecidella flavosorediata* (Vězda) Hertel et Leuckert – [41]: 212; [127]: 73, 85; *Lecidea flavosorediata* Vězda – [165]: 62

Lecidella scabra (Taylor) Hertel et Leuckert – [223]: 526; *Lecidella goniophila* var. *dirumpens* Hertel et Poelt – [166]: 111, 121

Lecidella stigmatea (Ach.) Hertel et Leuckert – [28]: 469; [41]: 213; *Lecidea stigmatea* Ach. – [165]: 69, 72

Lecidoma demissum (Rutstr.) Gotth. Schneid. et Hertel – [192]: 246, 271; [193]: 565; [223]: 527; *Biatora atrorufa* (Dicks.) Fr. – [104]: 216, 220; *Lecidea demissa* (Rutstr.) Ach. – [60]: 148; [76]: 110; [80]: 144; [113]: 154[Bw]; [218]: Tab. 3; *Psora atrorufa* (Dicks.) Hook. – [105]: Tab. I, 184; *Psora demissa* (Rutstr.) Stein – [122]: 84[Bw]

Lempholemma chalazanum (Ach.) de Lesd. – [41]: 213; [165]: 72

+*Lepraria caesioalba* (de Lesd.) J. R. Laundon – [28]: 469; [41]: 214; [223]: 538

Lepraria crassissima (Hue) Lettau – [28]: 468, 469

+*Lepraria eburnea* J. R. Laundon – [41]: 216

+*Lepraria elobata* Tønsberg – [41]: 216, 217; [72]: 312; [171]: 35, 45
Lepraria incana (L.) Ach. – [28]: 469; [30]: 577; [41]: 19^{Sp}, 23, 214, 218, 219, 280; [55]: 48^{R}; [107]: 514; [127]: 24, 26, 34, 73, 86; [128]: 336; [171]: 45; [190]: 116; *Lepraria aeruginosa* auct. non (Weiss) Sm. – [74]: 106, 112, 139, 140, 141; [87]: 95; [218]: Tab I, II; *Lichen antiquitatis* (L.) Schreb. – [44]: 143^{R}; see [41]: 401; *Lichen incanus* (L.) Neck. – [44]: 144^{R}; see [41]: 405^{R}
Lepraria jackii Tønsberg – [24]: 48^{Sp}; [41]: 155, 219; [171]: 36, 45
Lepraria lobificans Nyl. – [28]: 469; [41]: 219, 220
Lepraria membranacea (Dicks.) Vain.; *Crocynia membranacea* (Dicks.) Zahlbr. – [60]: 130; [77]: 227; [97]: 255; [217]: 199; [218]: Tab. I, II, X; *Leproloma membranaceum* (Dicks.) J. R. Laundon – [28]: 469; [30]: 577; [41]: 19^{Sp}, 23, 130^{Sp}, 134^{Sp}, 200, 222, 223; *Parmelia lanuginosa* (Ach.) Ach. – [104]: 195, 198, 199, 210, 211, 212, 217; [105]: Tab. I, 137
Lepraria neglecta (Nyl.) Lettau – [41]: 220, 221, 246, 294; [165]: 75; *Crocynia neglecta* (Nyl.) Hue – [60]: 130; [97]: 255, 260, 266; [218]: Tab. VI, X, XXI; *Lecidea neglecta* Nyl. – [77]: 230
Lepraria nylanderiana Kümmerl. et Leuckert – [28]: 466, 469
Lepraria rigidula (de Lesd.) Tønsberg – [28]: 469; [41]: 221, 222; [223]: 542
Lepraria vouauxii (Hue) R. C. Harris; *Leproloma vouauxii* (Hue) J. R. Laundon – [41]: 223
Leprocaulon microscopicum (Vill.) Gams – [28]: 466, 469; [41]: 23, 196, 222; [108]: 238; [223]: 543; *Stereocaulon quisquiliare* (Leers) Hoffm. – [165]: 76
Leptogium cyanescens (Rabenh.) Körb. – [30]: 577; [39]: 55; [41]: 223, 370; [60]: 135; [105]: 98; *Collema cyanescens* (Pers.) Rabenh. – [104]: 199, 221
Leptogium gelatinosum (With.) J. R. Laundon; *Leptogium sinuatum* (Huds.) A. Massal. – [60]: 135
Leptogium lichenoides (L.) Zahlbr. – [41]: 76, 224, 225; [60]: 135; *Collema atrocaeruleum* var. *lophaeum* (Ach.) Rabenh. – [104]: 199; *Collema ciliatum* Hoffm. – [44]: 173^{R}; *Collema lacerum* (Retz.) DC. – [53]: 251^{R}; *Collema pulvinatum* Hoffm. – [44]: 173^{R}; *Leptogium atrocaeruleum* var. *lophaeum* (Ach.) Rabenh. – [104]: 221; *Leptogium atrocaeruleum* f. *filiforme* Arnold – [24]: 45; *Leptogium atrocaeruleum* var. *pulvinatum* (Hoffm.) A. Massal. – [23]: 212; *Leptogium lichenoides* var. *pulvinatum* (Hoffm.) Zahlbr. – [60]: 135; *Lichen lacerus* Sw. – [44]: 173^{R}
Leptogium magnussonii Degel. et P. M. Jørg. – [28]: 469
Leptogium plicatile (Ach.) Leight.; *Collema plicatile* (Ach.) Ach. – [103]: 415^{R}
Leptogium saturninum (Dicks.) Nyl. – [60]: 135; *Lichen saturninus* Dicks. – [4]: 145^{R}; [44]: 173^{R}; see [41]: 407^{R}
° *Leptorhaphis epidermidis* (Ach.) Th. Fr. – [60]: 120; [73]: 3; [127]: 39, 73, 86; *Verrucaria epidermidis* Ach. – [53]: 240^{R}; see [41]: 412^{R}
Letharia vulpina (L.) Hue – [3]: 177^{Bw}; [60]: 190; [93]: 58^{Bw}; [113]: 230^{Bw}; [184]: 118, 122; *Evernia vulpina* (L.) Ach. – [105]: 119^{Bw}; [147]: 137^{Bw}; *Lichen citrinus* Schrank – [198]: 545^{Bw}; see [41]: 402^{Bw}
++*Leucocarpia dictyospora* (Orange) R. Sant.; *Macentina dictyospora* Orange – [171]: 36, 45
**Lichenoconium erodens* M. S. Christ. et D. Hawksw. – [106]: 92
**Lichenoconium lecanorae* (Jaap) D. Hawksw. – [208]: 219
**Lichenoconium usneae* (Anzi) D. Hawksw.; *Lichenoconium imbricariae* (Allesch.) Keissl. – [166]: 140
Lichenomphalina alpina (Britzelm.) Redhead et al.; *Omphalia umbellifera* var. *citrina* Quél. – [95]: 8; *Omphalina alpina* (Britzelm.) Bresinsky et Stangl – [41]: 236
Lichenomphalina hudsoniana (H. S. Jenn.) Redhead et al.; *Coriscium viride* (Ach.) Vain. – [3]: 30^{Bw}; [60]: 120; [73]: 3; [92]: 457^{Bw}; [113]: 105^{Bw}; [122]: 32^{Bw}; [218]: Tab. 3; *Normandina viridis* (Ach.) Nyl. – [111]: 74; *Omphalina hudsoniana* (H. S. Jenn.) H. E. Bigelow – [223]: 620
Lichenomphalina umbellifera (L.: Fr.) Redhead et al.; *Lichen botryoides* (L.) Neck. – [44]: 144^{R}; see [41]: 402, uncertain, whether Duval really refers to this species (see [110]); *Omphalia umbellifera* (L.: Fr.) P. Kumm. – [95]: 7; *Omphalina ericetorum* (Pers.: Fr.) M. Lange – [220]: 122; *Omphalina umbellifera* (L.: Fr.) Quél. – [41]: 236
+*Lichenomphalina velutina* (Quél.) Redhead et al.; *Omphalia velutina* (Quél.) Quél. – [95]: 8; *Omphalina velutina* Quél. – [41]: 236
**Lichenopeltella maculans* (Zopf) Höhn – [208]: 219; *Microthyrium maculans* Zopf – [165]: 90
**Lichenostigma cosmopolites* Hafellner et Calatayud – [208]: 220
+(°) *Lichenothelia scopularia* (Nyl.) D. Hawksw. – [41]: 226
Lobaria amplissima (Scop.) Forssell – [39]: 71; [60]: 137; [74]: 168; [127]: 43, 55, 61; Suza 1943: 4^{Bw}, 8; *Lobaria laciniata* (Huds.) Vain. – [73]: 9; *Sticta amplissima* (Scop.) Rabenh. – [112]: 30
Lobaria pulmonaria (L.) Hoffm. – [30]: 577; [41]: 226^{R}, 227^{R}, 370; [60]: 137; [74]: 94, 157, 168, 186; [76]: 108; [77]: 228; [80]: 142; [127]: 30, 43, 55, 61; [128]: 336; [171]: 36, 43, 45; [216]: 342; [223]: 563; *Lichen pulmonarius* L. – [44]: 175^{R}; [81]: 137^{R}; *Sticta pulmonacea* (Ach.) Ach. – [104]: 197, 217; *Sticta pulmonacea* var. *pleurocarpa* Ach. – [104]: 213, 217; *Sticta pulmonaria* (L.) Biroli – [53]: 246^{R}; [96]: 248; [209]: 229

Lobothallia radiosa (Hoffm.) Hafellner – [41]: 227, 228; *Lecanora circinata* (Pers.) Ach. – [53]: 250^{R}; *Lecanora radiosa* (Hoffm.) Schaer. – [68]: 19^{R}; *Lecanora subcircinata* Nyl. – [165]: 72; *Lichen circinatus* Pers. – [44]: 164^{R}; see [41]: 402^{R}

Lopadium disciforme (Flot.) Kullh. – *Lopadium muscicolum* (Sommerf.) Körb. – [105]: Tab. I, 227; [200]: 65; *Lopadium pezizoideum* auct. p. p. – [73]: 6; [74]: 112; [113]: 155^{R}; [127]: 43, 73, 86; [200]: 65; *Lopadium pezizoideum* f. *muscicolum* (Sommerf.) Th. Fr. – [60]: 155

Loxospora cismonica (Beltr.) Hafellner – [171]: 36, 43, 45; [223]: 567; *Haematomma cismonicum* Beltr. – [47]: 40; [127]: 72, 80; [165]: 61; [166]: 115, 123

Loxospora elatina (Ach.) A. Massal. – [30]: 577; [41]: 228; [171]: 45; [223]: 567; *Haematomma elatinum* (Ach.) A. Massal. – [127]: 25, 38, 72, 80; [128]: 336; [165]: 61; [166]: 115, 124; *Lecanora chloropolia* (Erichsen) Almb. – [127]: 31, 72, 82; [128]: 336; *Pertusaria chloropolia* Erichsen – [87]: 95

Massalongia carnosa (Dicks.) Körb. – [60]: 136; [105]: 146; [113]: 186^{Bw}; [223]: 569; *Lecanora muscorum* Ach. – [53]: 250^{R}; see [41]: 400; *Parmelia carnosa* (Dicks.) Schaer. – [104]: 211

Megalaria pulverea (Borrer) Hafellner et E. Schreiner; *Catillaria pulverea* (Borrer) Lettau – [87]: 94; [88]: 241

Melanelia commixta (Nyl.) Thell; *Cetraria commixta* (Nyl.) Th. Fr. – [60]: 189; [117]: 196; [218]: 199, Tab. 3; [223]: 275

Melanelia disjuncta (Erichsen) Essl. – [28]: 469; *Parmelia disjuncta* Erichsen – [41]: 24, 86, 96, 97, 243, 247, 292, 307, 388; [60]: 186; [218]: Tab. XX, XXI; [223]: 649

Melanelia elegantula (Zahlbr.) Essl.; *Parmelia elegantula* (Zahlbr.) Szatala – [41]: 243, 244; [56]: 402^{R}; [165]: 64

Melanelia exasperata (De Not.) Essl.; *Parmelia exasperata* De Not. – [41]: 244^{R}

Melanelia exasperatula (Nyl.) Essl.; *Parmelia exasperatula* Nyl. – [30]: 577; [41]: 114, 244; [55]: 51^{R}; [60]: 186; [80]: 147; [97]: 269, 270; [127]: 38, 41, 55, 64; [128]: 337; [165]: 60; *Parmelia papulosa* (Anzi) Vain. – [77]: 236

Melanelia fuliginosa (Duby) Essl. subsp. *fuliginosa*; *Melanelia glabratula* subsp. *fuliginosa* (Duby) J. R. Laundon – [28]: 469; *Parmelia fuliginosa* (Duby) Nyl. – [77]: 235; [97]: 258; *Parmelia glabratula* var. *fuliginosa* (Duby) J. R. Laundon – [41]: 245; [60]: 186; [190]: 116

Melanelia fuliginosa subsp. *glabratula* (Lamy) Coppins; *Melanelia glabratula* (Lamy) Essl. nom. illegit. – [28]: 469; [30]: 577; [60]: 186; [127]: 27, 28, 31, 38, 41, 55, 64; [128]: 337; *Parmelia fuliginosa* var. *glabratula* (Lamy) H. Olivier – [79]: 130; *Parmelia fuliginosa* var. *laetevirens* (Körb.) Nyl. – [60]: 187; [79]: 130; *Parmelia glabratula* (Lamy) Nyl. – [41]: 86, 245; [55]: 51^{R}; *Parmelia laetevirens* (Körb.) F. Rosend. nom. illegit. – [74]: 84, 88, 94, 140, 146, 157

Melanelia hepatizon (Ach.) Thell; *Cetraria hepatizon* (Ach.) Vain. – [41]: 409; [60]: 189; [77]: 237; [80]: 148; [152]: 278; [194]: 48; [216]: 340; [218]: Tab. VI, XX, XXI, Tab. 3; [223]: 275; *Cetraria hepatizon* var. *major* (Schaer.) Vain. – [60]: 189; *Cetraria hepatizon* var. *minor* (Schaer.) Hillmann – [60]: 190; *Cetraria polyschiza* (Nyl.) Jatta – [3]: 169; [113]: 221; [152]: 278; [200]: 79; *Lobaria fahlunensis* (L.) Hoffm. – [53]: 248; see [41]: 409; *Parmelia fahlunensis* (L.) Ach. – [104]: 217; [147]: 136; *Parmelia fahlunensis* var. *major* (Schaer.) – [105]: 136; *Parmelia fahlunensis* var. *minor* (Schaer.) – [105]: 137; *Parmelia fahlunensis* var. *vulgaris* Schaer. – [104]: 202; *Parmelia fahlunensis* var. *vulgaris* f. *major* Schaer. – [104]: 202, 210; *Parmelia fahlunensis* var. *vulgaris* f. *minor* Schaer. – [104]: 202, 215

Melanelia laciniatula (H. Olivier) Essl.; *Parmelia laciniatula* (H. Olivier) Zahlbr. – [60]: 187; [74]: 156; [77]: 236; [78]: 143; [127]: 55, 64; [165]: 64; [204]: 33; [223]: 653; *Parmelia incolorata* var. *laciniatula* (H. Olivier) Lettau – [73]: 12

Melanelia olivacea (L.) Essl.; *Parmelia olivacea* (L.) Ach. – [3]: 158^{Bw}; [41]: 246^{R}; [60]: 187; [73]: 12; [77]: 236; [80]: 147; [104]: 195, 217; [127]: 39, 55, 64; [219]: 91, 102, 105, 106, 112; *Lichen olivaceus* L. – [44]: 170^{R}; *Parmelia olivacea* var. *corticola* (Körb.) Th. Fr. – [104]: 199

Melanelia panniformis (Nyl.) Essl. – [28]: 469; *Parmelia panniformis* (Nyl.) Vain. – [41]: 24, 246, 247, 293; [60]: 187; [155]: 233; [165]: 87; [166]: 138; [190]: 116; [223]: 653; *Parmelia crustificans* Hilitzer – [3]: 163; [76]: 115; *Parmelia panniformis* var. *pulvinata* (Laurer) Hillmann – [60]: 187

+*Melanelia sorediata* (Ach.) Goward et Ahti; *Parmelia sorediata* (Ach.) Th. Fr. – [77]: 236; [78]: 158; [97]: 258; *Parmelia sorediata* var. *coralloidea* Lynge – [78]: 160; *Parmelia sorediosa* Almb. – [60]: 188; *Parmelia sprengelii* Flörke – [105]: 136

+*Melanelia stygia* (L.) Essl.; *Parmelia stygia* (L.) Ach. – [3]: 147^{Bw}; [60]: 188; [78]: 118; [80]: 147; [104]: 211, 217; [105]: 137; [218]: 199, Tab. 3; [223]: 656; *Parmelia stygia* var. *reagens* Serv. – [60]: 188; [200]: 77

Melanelia subargentifera (Nyl.) Essl. – [28]: 469; *Parmelia subargentifera* Nyl. – [41]: 249; [60]: 188

Melanelia subaurifera (Nyl.) Essl.; *Parmelia subaurifera* Nyl. – [41]: 249; [56]: 402^{R}; [60]: 188; [79]: 130; [80]: 147; [97]: 273; [127]: 38, 55, 64; [128]: 337

(°)*Melaspilea gibberulosa* (Ach.) Zwackh; *Melaspilea melagyna* (Ach.) Arnold – [73]: 5

Menegazzia terebrata (Hoffm.) A. Massal. – [41]: 229[R]; [127]: 28, 30, 38, 43, 55, 62; [128]: 336; [171]: 36, 43, 45; [223]: 575; *Lichen diatrypus* Ach. – [44]: 168[R]; *Menegazzia pertusa* (Schrank) Stein – [60]: 189; [88]: 242; *Parmelia pertusa* (Schrank) Schaer. – [73]: 11; [74]: 94, 147; [77]: 235; [80]: 146; [104]: 196, 217; [105]: 147

**Merismatium peregrinum* (Flot.) Triebel – [208]: 220

Micarea botryoides (Nyl.) Coppins – [30]: 577; [41]: 230

Micarea denigrata (Fr.) Hedl. – [28]: 469; [41]: 230; *Biatorina synothea* auct. – [19]: 566; *Catillaria denigrata* (Fr.) Hedl. – [60]: 149; *Catillaria synothea* auct. – [80]: 144

Micarea erratica (Körb.) Hertel, Rambold et Pietschm. – [41]: 230; [190]: 116; *Lecidea dispansa* Nyl. – [11]: 515; *Lecidea expansa* Nyl. – [19]: 563

Micarea hedlundii Coppins – [28]: 469

Micarea leprosula (Th. Fr.) Coppins et A. Fletcher – [28]: 469

Micarea lignaria (Ach.) Hedl. – [28]: 469; [41]: 19[Sp], 231[Sp], 280[Sp]; [168]: 100; [171]: 45; *Bacidia gomphillacea* (Nyl.) Zahlbr. – [60]: 152; [156]: 324; [157]: 167; *Bacidia lignaria* (Ach.) Lettau – [73]: 6; [75]: 46; [76]: 111; *Bilimbia milliaria* (Fr.) Th. Fr. – [105]: Tab. I, 224; *Lecidea milliaria* Fr. – [104]: 220; *Micarea gomphillacea* (Nyl.) Vězda – [166]: 136

Micarea melaena (Nyl.) Hedl. – [30]: 577; [41]: 231; *Bacidia melaena* (Nyl.) Zahlbr. – [88]: 240

Micarea misella (Nyl.) Hedl. – [28]: 469; [41]: 231, 302; [127]: 73, 86; [128]: 336

+*Micarea myriocarpa* Coppins – [171]: 37, 45

Micarea peliocarpa (Anzi) Coppins et R. Sant. – [30]: 577; [41]: 231; [171]: 45; [223]: 589; *Micarea violacea* (Nyl.) Hedl. – [166]: 122

Micarea prasina Fr. – [28]: 469; [30]: 577; [41]: 231, 232; [88]: 242; [127]: 73, 86; [128]: 336; [166]: 125; [171]: 45; *Catillaria micrococca* (Körb.) Th. Fr. – [60]: 150; [80]: 144; *Catillaria prasina* var. *byssacea* (Zwackh) Th. Fr. – [200]: 63; *Catillaria prasina* f. *sordidescens* (Nyl.) Lettau – [60]: 150

Micarea sylvicola (Flot.) Vězda et V. Wirth – [28]: 469; [41]: 232; *Lecidea silvicola* Flot. – [112]: 27; [113]: 151[Bw]; *Lecidea sylvicola* Flot. – [7]: 591; [11]: 515; [60]: 144; [166]: 135; [218]: Tab. VI

Micarea turfosa (A. Massal.) Du Rietz – [171]: 37, 45

Micarea vulpinaris (Nyl.) Muhr – [149]: 317

**Microcalicium arenarium* (A. Massal.) Tibell – [30]: 577; [41]: 232; [208]: 221; *Calicium arenarium* (A. Massal.) Körb. – [60]: 122; [103]: 293; *Calicium citrinum* (Leight.) Nyl. – [105]: 298; *Chaenotheca arenaria* (A. Massal.) Zwackh – [113]: 109[Bw]; [182]: 43; *Coniocybopsis arenaria* (A. Massal.) Vain. – [166]: 120

Microcalicium disseminatum (Ach.) Vain. – [30]: 577; [41]: 232

Miriquidica garovaglii (Schaer.) Hertel et Rambold – [223]: 593; *Lecanora badia* var. *aenea* (Fr.) Schaer. – [104]: 210; *Lecidea aenea* (Fr.) Nyl. – [76]: 110; [216]: 340; [218]: Tab. 3; [220]: 118

Miriquidica griseoatra (Flot.) Hertel et Rambold; *Biatora griseoatra* (Flot.) Kremp. – [104]: 220; [105]: Tab. I, 215; *Lecidea griseoatra* (Flot.) Schaer. – [60]: 146; [104]: 210, 212; *Lecidea leucophaea* sensu Lettau – [113]: 143[BW]; *Lecidea leucophaea* var. *griseoatra* (Flot.) Th. Fr. – [104]: 215; *Miriquidica leucophaea* var. *griseoatra* (Flot.) Wirth – [223]: 593

Miriquidica leucophaea (Rabenh.) Hertel et Rambold – [223]: 593; *Biatora leucophaea* Rabenh. – [97]: 258; *Lecidea leucophaea* (Rabenh.) Nyl. – [60]: 146; [80]: 144; [218]: Tab. XVII, XX; *Lecidea leucophaea* f. *pelidna* (Ach.) Zahlbr. – [60]: 147

Miriquidica nigroleprosa (Vain.) Hertel et Rambold – [223]: 594; *Lecidea nigroleprosa* (Vain.) H. Magn. – [165]: 85; [216]: 338, 342; [218]: Tab. XVII, XX, Tab. 3

Moelleropsis nebulosa (Hoffm.) Gyeln. – [41]: 233; *Pannaria nebulosa* f. *coronata* (Röhl.) Leight. – [23]: 234[Sp]

Mycobilimbia berengeriana (A. Massal.) Hafellner et V. Wirth; *Biatora berengeriana* A. Massal. – [105]: 216; *Lecidea berengeriana* (A. Massal.) Th. Fr. – [60]: 145

+*Mycobilimbia carneoalbida* (Müll. Arg.) S. Ekman et Printzen – [223]: 596; *Bacidia sphaeroides* auct. non (Dicks.) Zahlbr. – [73]: 6; [74]: 83, 168; [127]: 32, 71, 75; [216]: 338; *Biatora carneoalbida* (Müll. Arg.) Coppins – [171]: 30, 44

Mycobilimbia epixanthoides (Nyl.) Vitik. et al. – [28]: 469

+*Mycobilimbia sanguineoatra* auct.; *Biatora sanguineoatra* ("Wulfen") Tuck. – [73]: 5; [74]: 83

Mycobilimbia tetramera (De Not.) Vitik. et al. – [168]: 101; *Bacidia fusca* (A. Massal.) Du Rietz – [127]: 71, 72; [166]: 128; *Bacidia obscurata* (Sommerf.) Zahlbr. – [73]: 6

Mycoblastus affinis (Schaer.) T. Schauer – [127]: 73, 87; [166]: 125; [223]: 600; *Megalospora sanguinaria* var. *affinis* (Schaer.) Kremp. – [105]: 208

+*Mycoblastus alpinus* (Fr.) Hellb. – [73]: 6; [74]: 140; [171]: 37, 45; *Mycoblastus sanguinarius* var. *alpinus* (Fr.) Stein – [60]: 149; [80]: 144

Mycoblastus fucatus (Stirt.) Zahlbr. – [28]: 469; [30]: 577; [41]: 234; [171]: 38, 42, 45

Mycoblastus sanguinarius (L.) Norman – [60]: 149; [74]: 95, 139, 140; [77]: 230; [80]: 144; [113]: 155^{Bw}; [127]: 25, 34, 73, 87; [128]: 336; [166]: 125; [171]: 45; [223]: 601; *Lecidea sanguinaria* (L.) Ach. – [53]: 241^{R}; [104]: 213, 220; *Lichen sanguinarius* L. – [44]: 157^{R}; see [41]: 407^{R}

°*Mycocalicium subtile* (Pers.) Szatala – [41]: 235; *Calicium parietinum* Schaer. – [21]: 54; *Calycium subtile* Pers. – [53]: 253; [105]: 269

(°)*Mycoporellum microscopicum* (Müll. Arg.) Zahlbr. – [60]: 121

Mycoporum antecellens (Nyl.) R. C. Harris; *Arthopyrenia antecellens* (Nyl.) Arnold – [113]: 100^{Bw}; [122]: 26^{Bw}; [200]: 58

Myxobilimbia lobulata (Sommerf.) Hafellner; *Lecidea milliaria* var. *terrestris* Fr. – [104]: 215

Myxobilimbia sabuletorum (Schreb.) Hafellner – [28]: 470; *Bacidia accedens* (Arnold) Lettau – [73]: 6; *Lecidea sabuletorum* (Schreb.) Ach. – [53]: 243^{R}; *Lichen sabuletorum* Schreb. – [81]: 150; *Mycobilimbia sabuletorum* (Schreb.) Hafellner – [30]: 577; [41]: 233, 234; [168]: 101

°*Naetrocymbe punctiformis* (Pers.) R. C. Harris – [28]: 470; *Arthopyrenia punctiformis* (Pers.) A. Massal. – [60]: 119; [127]: 71, 72

Neofuscelia loxodes (Nyl.) Essl. – [28]: 470; *Parmelia isidiotyla* Nyl. – [60]: 187; [165]: 75; *Parmelia loxodes* Nyl. – [41]: 24, 245; [120] : 33; *Parmelia olivacea* var. *saxicola* Rabenh. – [105]: 135; *Parmelia olivacea* var. *vulgaris* f. *saxicola* Kremp. – [105]: 135

Neofuscelia pulla (Ach.) Essl. – [28]: 470; *Parmelia dendritica* Pers. – [104]: 195, 199, 211, 217; *Parmelia pulla* Ach. – [41]: 24, 97, 247; [60]: 187

Neofuscelia verruculifera (Nyl.) Essl. – [28]: 470; *Parmelia glomellifera* (Nyl.) Nyl. – [60]: 187; [80]: 147; [97]: 258; *Parmelia verruculifera* Nyl. – [41]: 24, 77, 96, 97, 119, 199, 202, 245, 251; [120]: 33; [190]: 116

Nephroma bellum (Spreng.) Tuck. – [60]: 137; [127]: 43, 55, 62; [128]: 336; no records of *Nephroma bellum* previous to Grummann (1963) found by us; perhaps Grummann referred to the records of *N. laevigatum* below.

Nephroma parile (Ach.) Ach. – [41]: 235^{Sp}; [127]: 43, 55, 63; [128]: 336; [171]: 43, 45; [216]: 342; *Nephromium laevigatum* var. *parile* (Ach.) Nyl. – [23]: 233^{Sp}

Nephroma resupinatum (L.) Ach. – [3]: 39^{Bw}; [60]: 138; [74]: 168; [80]: 143; [104]: 196, 197, 213, 217; [127]: 43, 55, 63; *Nephroma tomentosum* (Hoffm.) Flot. – [105]: 127

Normandina pulchella (Borrer) Nyl. – [127]: 43, 55, 63; [171]: 43, 45

Ochrolechia alboflavescens (Wulfen) Zahlbr. – [127]: 73, 87; [165]: 63

Ochrolechia androgyna (Hoffm.) Arnold – [60]: 173; [64]: 175; [73]: 11; [74]: 95, 98, 106, 112, 139, 140, 141, 147, 157, 172; [77]: 234; [127]: 25, 28, 30, 34, 73, 87; [128]: 336; [171]: 45; [218]: Tab. II, XVII; *Lecanora tartarea* var. *arborea* (DC.) Schaer. – [104]: 196; [105]: 154

Ochrolechia arborea (Kreyer) Almb. – [166]: 125

+*Ochrolechia microstictoides* Räsänen – [165]: 63; [171]: 45

Ochrolechia pallescens (L.) A. Massal. – [60]: 173; *Lecanora pallescens* var. *tumidula* (Pers.) Schaer. – [104]: 213; *Lecanora parella* var. *pallescens* (L.) Ach. – [105]: 154; *Parmelia pallescens* (L.) Rebent. – [104]: 217

Ochrolechia parella (L.) A. Massal. – [60]: 173; [64]: 187^{By}; [210]: 146^{By}

Ochrolechia tartarea (L.) A. Massal. – [60]: 173; [64]: 192; *Lecanora tartarea* var. *saxorum* (Oeder) Rabenh. – [104]: 198; [105]: 154; *Ochrolechia androgyna* var. *saxorum* (Oeder) Vers. – [60]: 173; *Parmelia tartarea* (L.) Ach. – [104]: 217

Ochrolechia turneri (Sm.) Hasselroth – [64]: 195; [127]: 73, 87; [166]: 125, 126; *Pertusaria leprarioides* auct. – [127]: 28, 73, 89; [128]: 337; [166]: 126

Opegrapha atra Pers. – [28]: 470; [60]: 125; [104]: 213, 221; [105]: 257; [127]: 27, 28, 30, 73, 87; [200]: 60; *Graphis atra* (Pers.) Spreng. – [53]: 241^{R}; *Graphis atra* var. *macularis* (Spreng.) – [53]: 241^{R}; see [41]: 400; *Graphis scripta* var. *stenocarpa* (Ach.) Hampe apud Fürnrohr – [53]: 241^{R}; *Lichen denigratus* Ach. – [44]: 148^{R}; see [41]: 403

Opegrapha dolomitica (Arnold) Clauzade et Cl. Roux – [41]: 237

Opegrapha gyrocarpa Flot. – [28]: 468, 470; [30]: 577 (cf.); [41]: 409; [165]: 87; [174]: 291; [216]: 340; [218]: Tab. I, II, XIX, Tab. 5; [223]: 624

Opegrapha rufescens Pers. – [28]: 470; [30]: 577; [41]: 237; *Graphis insculpta* var. *herpetica* (Ach.) Hampe apud Fürnrohr – [53]: 241^{R}; *Graphis insculpta* var. *rubella* (Pers.) Hampe apud Fürnrohr – [53]: 241^{R}; *Lichen rubellus* Ach. – [44]: 147^{R}; see [41]: 407^{R}; *Opegrapha herpetica* (Ach.) Ach. – [104]: 213, 221

**Opegrapha rupestris* Pers.; *Lichen personii* Ach. – [44]: 147^{R}; see [41]: 406^{R}

Opegrapha varia Pers. – [28]: 470; [30]: 577; [41]: 238 ; [74]: 147; [80]: 141; [104]: 221; [127]: 27, 28, 73, 88; [128]: 337; [171]: 45; *Graphis curvula* Ehrh. – [53]: 241^{R}; *Lichen vulvella* Ach. – [44]: 147^{R}; see [41]: 408^{R}; *Opegrapha lichenoides* Pers. – [60]: 126; *Opegrapha mougeotii* A. Massal. – [41]: 238; *Opegrapha pulicaris* auct. – [60]: 127; [104]: 213; *Opegrapha varia* f. *lichenoides* (Pers.) Hepp – [80]: 141

Opegrapha vermicellifera (Kunze) J. R. Laundon – [28]: 470; [30]: 577; [41]: 239; [127]: 43, 73, 88; [166]: 126; *Opegrapha hapaleoides* Nyl. – [113]: 119[Bw]

Opegrapha viridis (Ach.) Behlen et Desberger – [28]: 470; [30]: 577; [41]: 239; [60]: 127; [74]: 83, 94, 95; [80]: 141; [127]: 27, 30, 32, 73, 88; [200]: 60

+*Opegrapha vulgata* (Ach.) Ach. – [28]: 470; [41]: 239[R]; [60]: 127; [80]: 141; [127]: 27, 73, 88; *Lichen vulgatus* Ach. – [44]: 147[R]; *Opegrapha lithyrga* Ach. – [28]: 470

Opegrapha vulgata var. *subsiderella* Nyl. – [28]: 470; [41]: 81, 239, 240; *Opegrapha niveoatra* (Borrer) J. R. Laundon – [127]: 73, 87

Ophioparma ventosa (L.) Norman – [223]: 630; *Haematomma ventosum* (L.) A. Massal. – [1]: 5; [54]: 29, 37; [60]: 183; [76]: 114; [77]: 234; [105]: 155; [113]: 197[Bw]; [216]: 340, 342; [218]: Tab. XIX, XX, Tab. 3; *Lecanora ventosa* (L.) Ach. – [104]: 198, 202, 210, 214, 215, 217; *Lecanora ventosa* var. *abortiva* Schaer. – [104]: 198, 202, 210; *Lichen cruentus* Weber – [81]: 148; see [41]: 403; *Lichen ventosus* L. – [81]: 140

Pachyphiale fagicola (Hepp) Zwackh – [41]: 122, 211, 240; [127]: 45, 73, 88

Parmelia omphalodes (L.) Ach. – [28]: 470; [41]: 246; [60]: 187; [97]: 258, 260; [218]: Tab. XX, XXIII; *Parmelia omphalodes* var. *panniformis* (L.) Ach. – [60]: 187; *Parmelia perforata* (Wulfen) Ach. – [104]: 195[Bw]; *Parmelia perforata* f. *isidioidea* Kremp. – [105]: 130[Bw]; *Parmelia saxatilis* var. *omphalodes* (L.) Fr. – [104]: 217; *Parmelia saxatilis* var. *panniformis* (Ach.) Schaer. – [104]: 198, 199, 210, 217; [105]: 134

Parmelia saxatilis (L.) Ach. – [28]: 470; [30]: 577; [41]: 19[Sp], 23, 24, 247, 248, 280[Sp], 282, 388; [55]: 50; [60]: 188; [74]: 55, 88, 94, 95, 112, 126, 139, 140, 141, 146, 157, 173; [77]: 236; [97]: 253, 255, 258; [104]: 195, 196, 217; [127]: 28, 34, 38, 41, 55, 64; [128]: 337; [165]: 78; [166]: 126; [171]: 45; [190]: 116; [218]: Tab. X, XXIII; *Imbricaria saxatilis* (L.) Körb. – [23]: 232[Sp]; *Imbricaria saxatilis* f. *furfuracea* (Linds.) Arnold – [23]: 232[Sp]; *Lichen saxatilis* L. – [44]: 167; [81]: 136; *Lobaria saxatilis* (L.) Hoffm. – [53]: 248; *Parmelia saxatilis* var. *aizonii* Duby – [60]: 188; [97]: 273; *Parmelia saxatilis* var. *aizonii* f. *isidioidea* Kremp. – [60]: 18; [79]: 131; *Parmelia saxatilis* var. *leucochroa* Wallr. – [104]: 198, 199, 202, 210

Parmelia submontana Hale – [223]: 662; *Parmelia contorta* Bory, non (Hoffm.) Spreng. – [166]: 126; *Parmelia sulcata* f. *contortoides* Zahlbr. – [3]: 151[Bw]

Parmelia sulcata Taylor – [28]: 470; [30]: 577; [41]: 23, 114, 250; [55]: 53[R]; [60]: 188; [74]: 126, 141, 157, 168, 173; [77]: 236; [97]: 258, 269, 270, 271, 273; [127]: 27, 28, 30, 38, 39, 41, 55, 65; [128]: 337; [165]: 60; [166]: 126; [190]: 116; [193]: 569

Parmeliella triptophylla (Ach.) Müll. Arg. – [127]: 43, 55, 66; [128]: 337; [171]: 38, 43, 45; *Biatora triptophylla* (Ach.) Fr. – [104]: 197, 219; *Parmeliella corallinoides* auct. – [73]: 97; [77]: 228; [216]: 342; *Parmeliella corallinoides* var. *corallinoides* – [60] : 136

Parmelina pastillifera (Harm.) Hale; *Parmelia pastillifera* (Harm.) R. Schub. et Klem. – [220]: 122

Parmelina quercina (Willd.) Hale; *Lichen quercinus* Wulfen – [81]: 135

Parmelina tiliacea (Hoffm.) Hale; *Lichen tiliaceus* Hoffm. – [81]: 135; *Parmelia tiliacea* (Hoffm.) Ach. – [41]: 251; [55]: 50; [56]: 402; [60]: 188; [77]: 236; [104]: 195, 217; [127]: 38, 55, 65; [128]: 337; *Parmelia scortea* (Ach.) Ach. – [97]: 270; [165]: 78; [175]: 108

Parmeliopsis ambigua (Wulfen) Nyl. – [28]: 470; [30]: 577; [41]: 252; [60]: 184; [74]: 88, 95, 106, 139, 140, 141; [77]: 235; [78]: 30; [97]: 271, 273; [117]: 226; [127]: 33, 34, 39; [128]: 337; [165]: 61; [171]: 45; [175]: 80; [200]: 77[Bw]; *Lichen ambiguus* Wulfen – [44]: 168[R]; see [41]: 401; *Lobaria ambigua* (Wulfen) Hoffm. – [53]: 247[R]; *Parmelia ambigua* (Wulfen) Ach. – [104]: 196, 217; *Parmelia ambigua* var. *diffusa* (Körb.) Schaer. – [104]: 201, 209, 211; *Parmelia ambigua* var. *ochromatica* (Wallr.) Schaer. – [105]: 133; *Parmeliopsis ambigua* var. *angustata* Hillmann – [60]: 184; [77]: 235; [78]: 30

Parmeliopsis hyperopta (Ach.) Arnold – [30]: 577; [40]: 147; [41]: 252; [60]: 184; [65]: 96[Bw]; [74]: 95, 106, 139; [77]: 235; [78]: 33; [127]: 34, 55, 66; [128]: 337; [223]: 672

Parmotrema chinense (Osbeck) Hale et Ahti – [41]: 252; *Lichen perlatus* Huds. – [44]: 175[R]; [198]: 523; *Lobaria perlata* (Huds.) Hoffm. – [53]: 247; *Parmelia perlata* Ach. (nom. illegit.) – [104]: 196; [177]: 187; [209]: 229; *Parmelia trichotera* Hue – [60]: 189

Parmotrema crinitum (Ach.) M. Choisy; *Imbricaria perlata* f. *excrescens* Arnold – [33]: 230

Peltigera aphthosa (L.) Willd. – [53]: 245[R]; [60]: 138; [77]: 229; [104]: 199, 210, 217; [127]: 55, 66; [200]: 72

Peltigera canina (L.) Willd. – [41]: 253, 370; [53]: 245[R]; [60]: 138; [77]: 229; [104]: 196, 213, 217; [127]: 55, 66; [128]: 337; *Lichen caninus* L. – [44]: 178[R]; [81]: 142; see [41]: 402

Peltigera collina (Ach.) Schrad. – [127]: 43, 55, 66; *Peltigera scutata* (Dicks.) Duby – [76]: 109; [216]: 342

Peltigera didactyla (With.) J. R. Laundon – [41]: 254, 370; [83]: 388; *Peltigera canina* var. *pusilla* Fr. – [10]: 529; *Peltigera erumpens* (Taylor) Elenk. – [76]: 109; *Peltigera pusilla* (Fr.) Körb. – [16]: 235; [105]: Tab. I, 127; *Peltigera spuria* (Ach.) DC. – [60]: 139; [127]: 55, 68; [200]: 72; *Peltigera spuria* f. *erumpens* (Taylor) Harm. – [97]: 265

Peltigera horizontalis (Huds.) Baumg. – [30]: 577; [40]: 147; [41]: 254, 370; [53]: 246; [60]: 138; [104]: 199, 217; [127]: 43, 55, 67; [200]: 72; *Lichen horizontalis* Huds. – [44]: 178

Peltigera hymenina (Ach.) Delise – [30]: 577; [41]: 255, 370; *Peltigera canina* var. *coriacea* f. *hymenina* (Ach.) Kremp. – [105]: 125; *Peltigera polydactyla* f. *hymenina* (Ach.) Flot. – [60]: 138; *Peltigera polydactyla* f. *pellucida* Dietr. – [16]: 234

Peltigera leucophlebia (Nyl.) Gyeln. – [41]: 255; [60]: 138; *Peltigera aphthosa* f. *variolosa* A. Massal. – [24]: 23

Peltigera malacea (Ach.) Funck – [23]: 234^{Sp}; [24]: 23; [33]: 230; [41]: 255, 256, 370; [60]: 138; [105]: 126

Peltigera neckeri Müll. Arg. – [30]: 577; [41]: 257, 370

Peltigera polydactylon ('polydactyla') (Neck.) Hoffm. – [28]: 470; [41]: 257, 370; [53]: 245; [60]: 138; [104]: 213, 217; [190]: 116; *Lichen polydactylus* Neck. – [44]: 178; see [41]: 406; *Peltigera canina* var. *coriacea* f. *polydactyla* (Neck.) Kremp. – [105]: 124

Peltigera praetextata (Sommerf.) Zopf – [28]: 470; [30]: 577; [41]: 258, 279, 370; [73]: 9; [74]: 168; [76]: 109; [127]: 55, 67; [171]: 45; [192]: 275; *Peltigera canina* f. *subcanina* (Gyeln.) Riehm. – [60]: 138; *Peltigera subcanina* (Gyeln.) Gyeln. – [80]: 143

Peltigera rufescens (Weiss) Humb. – [24]: 46; [30]: 577; [41]: 258, 259, 370; [60]: 139; [97]: 265; [104]: 195, 196, 199, 217; *Lichen rufescens* (Weiss) Neck. – [44]: 179^{R}; see [41]: 407^{R}

Peltigera venosa (L.) Hoffm. – [41]: 259; [60]: 139; [172]: 306-307; *Lichen venosus* L. – [44]: 177; [81]: 140

+*Peltula euploca* (Ach.) Poelt – [165]: 88; [223]: 692

Pertusaria albescens (Huds.) M. Choisy et Werner – [28]: 470; [30]: 577; [41]: 23, 118, 159, 183, 240, 259^{R}, 260; [127]: 28, 32, 34, 73, 88; [128]: 337; [165]: 64; [171]: 45; *Lichen discoideus* (Pers.) Ach. – [44]: 150^{R}; *Pertusaria albescens* var. *corallina* (Zahlbr.) J. R. Laundon – [165]: 64; *Pertusaria faginea* L. – [24]: 32^{Bf}; *Pertusaria globulifera* (Turner) A. Massal. – [60]: 170; [74]: 83, 88, 146; [97]: 273; *Pertusaria tuberculata* (Erichsen) Erichsen – [127]: 27, 73, 90; [128]: 337

+*Pertusaria albescens* var. *corallina* auct. – [41]: 259, 260

Pertusaria amara (Ach.) Nyl. – [28]: 470; [30]: 577; [41]: 23, 260, 261, 313; [60]: 169; [74]: 88, 94, 95, 98, 112, 126, 139, 140, 141, 146, 155, 157, 172, 173; [80]: 145; [97]: 270, 273; [127]: 27, 28, 30, 32, 38, 73, 88; [128]: 337; [166]: 115; [171]: 45; *Lichen fagineus* L. – [44]: 149^{R}; *Pertusaria faginea* (L.) Leight. – [77]: 233; *Variolaria amara* Ach. – [53]: 240^{R}

+*Pertusaria aspergilla* (Ach.) J. R. Laundon – [28]: 470; [223]: 699; *Pertusaria dealbescens* Erichs. – [77]: 233; *Pertusaria leucosora* auct. – [60]: 171

+*Pertusaria chiodectonoides* A. Massal. – [223]: 701; *Pertusaria nolens* Nyl. – [165]: 78

Pertusaria coccodes (Ach.) Nyl. – [30]: 577; [41]: 261; [88]: 242; [127]: 28, 73, 89; [128]: 337; [165]: 65; [171]: 45; *Pertusaria coccodes* var. *isidiifera* (Erichsen) Almb. – [60]: 169; *Pertusaria isidiifera* Erichsen – [47]: 21

Pertusaria corallina (L.) Arnold – [33]: 205; [41]: 261, 262, 306; [60]: 169; [77]: 233; [97]: 260; [165]: 90; [194]: 49; [208]: 225; [217]: 201; [218]: Tab. XVII, XIX, XX, XXI, XXIII; [223]: 701; *Isidium corallinum* (L.) Ach. – [53]: 240; *Lecanora glaucoma* f. *corallina* (L.) Kremp. – [104]: 199; *Lecanora glaucoma* f. *dealbata* (Ach.) Kremp. – [104]: 199; *Lichen corallinus* L. – [44]: 161; see [41]: 403; *Pertusaria communis* var. *isidium* Hampe – [53]: 241; *Pertusaria dealbata* (Ach.) Nyl. – [113]: 193^{Bw}; [200]: 73; *Zeora rimosa* var. *sordida* f. *corallina* (L.) Kremp. – [105]: 166; *Zeora rimosa* var. *sordida* f. *dealbata* (Ach.) Kremp. – [105]: 166

Pertusaria coronata (Ach.) Th. Fr. – [73]: 9; [74]: 154; [127]: 27, 28, 73, 89; [128]: 337; [165]: 65, 66; [171]: 45; [175]: 172

Pertusaria excludens Nyl. – [166]: 122

Pertusaria flavida (DC.) J. R. Laundon – [41]: 262; [127]: 28, 73, 89; [165]: 66; [223]: 703

Pertusaria hemisphaerica (Flörke) Erichsen – [88]: 243; [127]: 28, 73, 89; [165]: 66; [171]: 45

Pertusaria hymenea (Ach.) Schaer. – [127]: 28, 73, 89; *Pertusaria communis* var. *fallax* (Ach.) Hampe – [53]: 240^{R}; [104]: 213, 221; see [41]: 410^{R}; *Pertusaria fallax* (Ach.) Howitt – [105]: 255; *Pertusaria wulfenii* DC. – [60]: 172

Pertusaria isidioides (Schaer.) Arnold – [218]: Tab. XX; [220]: 120; [223]: 706

Pertusaria lactea (L.) Arnold – [1]: 6; [41]: 262; [60]: 170; [73]: 9; [76]: 113; [217]: 201; [218]: Tab. II, XIX; *Lecanora glaucoma* f. *lactea* (L.) Kremp. – [104]: 212; *Lichen lacteus* L. – [44]: 150^{R}; see [41]: 405^{R}; *Zeora rimosa* var. *sordida* f. *lactea* (L.) Kremp. – [105]: 165

Pertusaria leioplaca DC. – [28]: 470; [30]: 577; [41]: 262, 263; [88]: 243; [127]: 27, 28, 30, 73, 89; [128]: 337; *Pertusaria communis* var. *lejoplaca* (Ach.) Fr. – [53]: 240^{R}; see [41]: 410^{R}; *Pertusaria leucostoma* A. Massal. – [128]: 337

Pertusaria multipuncta (Turner) Nyl. – [127] 73, 90; [165]: 66; *Pertusaria communis* f. *sorediata* Fr. – [104]: 197; *Pertusaria leptospora* J. Lahm – [47]: 40; [127]: 45, 73, 89; [165]: 66; [166]: 115, 126

Pertusaria ophthalmiza (Nyl.) Nyl. – [223]: 709

Pertusaria pertusa (Weigel) Tuck. – [30]: 577; [41]: 263[R, Sp]; [60]: 172; [127]: 30, 73, 90; *Lichen pertusus* L. – [44]: 145[R]; [81]: 140; see [41]: 406; *Pertusaria communis* var. *communis* (DC.) Boist. – [104]: 197, 221; *Pertusaria communis* f. *rupestris* Lam. et DC. – [23]: 237[Sp]; *Pertusaria leioplaca* var. *pertusa* (Weigel) Schaer. – [105]: 155; *Pertusaria pertusa* var. *rupestris* (DC.) Dalla Torre et Sarnth. – [41]: 19[Sp]; *Pertusaria rupestris* (DC.) Schaer. – [46]: 420[Sp]; *Pertusaria rupestris* var. *subplana* Erichs. – [46]: 423[Sp]; *Variolaria communis* (DC.) Ach. – [53]: 240[R]

+*Pertusaria pseudocorallina* (Lilj.) Arnold; *Pertusaria coccodes* f. *westringii* (Ach.) Leight. – [165]: 88

Pertusaria pulvereo-sulphurata Harm. – [87]: 95

+*Pertusaria pupillaris* (Nyl.) Th. Fr. – [171]: 38, 43, 45

Phaeophyscia ciliata (Hoffm.) Moberg; *Physcia ciliata* (Hoffm.) Du Rietz – [60]: 204; the only record of *Phaeophyscia ciliata* previous to Grummann is dubious ([53]); uncertain, whether Grummann refers to *Ph. orbicularis*.

Phaeophyscia nigricans (Flörke) Moberg – [41]: 264; *Physcia nigricans* (Flörke) Stizenb. – [127]: 45, 55, 66; [165]: 69, 72, 78

Phaeophyscia orbicularis (Neck.) Moberg – [28]: 470; [30]: 577; [41]: 96, 114, 264[R], 265; *Lichen obscurus* Ehrh. – [44]: 147[R]; see [41]: 405[R]; *Physcia obscura* (Humb.) Fürnr. – [97]: 263, 269, 270; uncertain, whether not *Phaeophyscia ciliata*; *Physcia obscura* var. *leptophylla* Wallr. – [53]: 249[R]; *Physcia orbicularis* (Neck.) Poetsch – [55]: 56[R]; [60]: 205; [127]: 45, 55, 68; [165]: 60

Phlyctis argena (Spreng.) Flot. – [28]: 470; [30]: 577; [41]: 265, 266; [60]: 174; [73]: 11; [77]: 234; [127]: 27, 28, 30, 31, 38, 41, 73, 90; [128]: 337; [171]: 45; *Pertusaria communis* var. *variolosa* f. *plana* Schaer. – [105]: 254

Physcia adscendens H. Olivier nom. cons. – [28]: 470; [30]: 577; [41]: 266; [55]: 55[R]; [60]: 204; [97]: 269, 270; [127]: 45, 55, 66; [128]: 337; [165]: 66, 69

Physcia aipolia (Humb.) Fürnr. – [28]: 470; [30]: 577; [41]: 122, 267, 268[R]; [60]: 204; [127]: 45, 55, 66; *Lichen aipolius* Humb. – [44]: 166[R]; *Lichen anthelinus* Ach. – [44]: 165[R]; *Physcia aipolia* f. *aipolia* – [60]: 204

Physcia caesia (Hoffm.) Fürnr. – [28]: 470; [41]: 122, 267, 268, 299; [53]: 250; [55]: 50[R]; [80]: 149; [97]: 260, 263; [165]: 79; [218]: 56; *Lichen caesius* Hoffm. – [44]: 165[R]; *Parmelia caesia* (Hoffm.) Ach. – [104]: 195, 217; *Physcia wainioi* Räsänen – [41]: 270; [165]: 76, 79

Physcia dimidiata (Arnold) Nyl. – [159]: 51

Physcia dubia (Hoffm.) Lettau – [28]: 470; [41]: 23, 24, 268, 299, 304; [60]: 205; [126]: 185; [165]: 79; *Parmelia pulchella* var. *dubia* (Hoffm.) Schaer. – [105]: 133; *Physcia teretiuscula* (Ach.) Lynge – [165]: 79; *Physcia tribacia* auct. non (Ach.) Nyl. – [55]: 59[R]

+*Physcia magnussonii* Frey – [41]: 268; [165]: 75; [218]: Tab. 3; [223]: 733

Physcia stellaris (L.) Nyl. – [30]: 577; [41]: 266[R], 268, 269; [55]: 58[R]; [165]: 66; [175]: 62; *Lichen stellaris* L. – [44]: 165[R]; *Parmelia stellaris* (L.) Ach. – [104]: 217; *Physcia aipolia* var. *stellaris* (L.) Hampe – [53]: 249[R]

Physcia tenella (Scop.) DC. – [28]: 470; [30]: 577; [41]: 87, 269; [55]: 55[R]; [60]: 206; [97]: 269; [127]: 45, 55, 68; [128]: 337; [165]: 67; *Lichen tenellus* Scop. – [44]: 181[R]; *Physcia aipolia* var. *tenella* (Ach.) Hampe – [53]: 250[R]

Physcia tribacia (Ach.) Nyl. – [27]: 119; [77]: 239; *Physcia caesitia* Nyl. – [60]: 204; locality disputed by Grummann

Physconia detersa (Nyl.) Poelt – [165]: 79; [166]: 127

Physconia distorta (With.) J. R. Laundon – [41]: 270; *Lichen pulverulentus* "Hoffm." – [44]: 167[R]; *Parmelia pulverulenta* ("Hoffm.") Poelt – [55]: 61; [104]: 195, 217; *Physcia pulverulenta* ("Hoffm.") Fürnr. – [53]: 249[R]; [60]: 205; [77]: 239

Physconia enteroxantha (Nyl.) Poelt – [28]: 470; [41]: 271; [127]: 45, 55, 68; [165]: 67, 79; *Physcia leucoleiptes* auct. eur. – [74]: 157; uncertain, whether *Ph. leucoleiptes* sensu Lettau (= *Physconia detersa*); *Physcia leucoleiptes* var. *enteroxanthella* (Harm.) Mereschk. – [77]: 239

Physconia grisea (Lam.) Poelt – [41]: 121, 271, 272; [55]: 60[R]; [165]: 66; *Physcia grisea* (Lam.) Zahlbr. – [15]: 172; *Physcia grisea* var. *grisea* f. *grisea* (Lam.) – [60]: 205; *Physcia grisea* var. *lilacina* (Arnold) Nádv. – [60]: 205

Physconia muscigena (Ach.) Poelt; *Physcia muscigena* (Ach.) Nyl. – [60]: 205

Physconia perisidiosa (Erichsen) Moberg – [28]: 470; [41]: 272; [127]: 45, 55, 68; [128]: 337; *Physconia farrea* auct. – [89]: 306; [165]: 67

Pilophorus cereolus (Ach.) Th. Fr. – [24]: 7[Sp]; [51]: 61[Sp]; [84]: 308[Sp]; *Lichen fibula* (Tuck.) – [44]: 185[R]; see [41]: 404[R]; *Pilophoron cereolus* (Ach.) Th. Fr. – [3]: 52[Sp]; [51]: 61[Sp]; [60]: 157

Placidium rufescens (Ach.) A. Massal.; *Catapyrenium rufescens* (Ach.) Breuss – [41]: 123, 124

Placidium squamulosum (Ach.) Breuss; *Catapyrenium squamulosum* (Ach.) Breuss – [31]: 119; [41]: 124

Placocarpus schaereri (Fr.) Breuss – [41]: 273, 274, 318; [223]: 743; *Dermatocarpon monstrosum* (Schaer.) Vain. – [165]: 70, 71

+*Placynthiella dasaea* (Stirt.) Tønsberg – [41]: 303; [171]: 38, 46

Placynthiella icmalea (Ach.) Coppins et P. James – [28]: 470; [30]: 578; [41]: 231; [168]: 101; [171]: 46; *Saccomorpha icmalea* (Ach.) Clauzade et Cl. Roux – [41]: 26, 302, 303

Placynthiella oligotropha (J. R. Laundon) Coppins et P. James – [28]: 470; [30]: 578; *Lecidea oligotropha* J. R. Laundon – [165]: 75; *Saccomorpha oligotropha* (J. R. Laundon) Clauzade et Cl. Roux – [41]: 303; [223]: 843

Placynthiella uliginosa (Schrad.) Coppins et P. James; *Biatora uliginosa* (Schrad.) Fr. – [104]: 216, 220; [153]: 99; *Biatora uliginosa* var. *confluens* (Schaer.) Kremp. – [104]: 210; [105]: 218; *Biatora uliginosa* var. *solitaria* (Schaer.) Kremp. – [104]: 210, 212; *Lecidea humosa* (Hoffm.) Leight. – [60]: 146; *Lecidea uliginosa* (Schrad.) Ach. – [60]: 148; [77]: 230; [200]: 63; *Saccomorpha uliginosa* (Schrad.) Clauzade et Cl. Roux – [41]: 303, 304

Placynthium flabellosum (Tuck.) Zahlbr. – [165]: 88

Placynthium nigrum (Huds.) Gray – [24]: 24; [41]: 274, 275; [165]: 72; *Lichen niger* Huds. – [44]: 161

Platismatia glauca (L.) W. L. Culb. et C. F. Culb. – [28]: 470; [30]: 578; [41]: 23, 275, 276; [52]: 103; [55]: 61^{R}; [127]: 25, 27, 28, 30, 34, 38, 39, 41, 42, 55, 68; [128]: 337, 339; [171]: 46; [175]: 86; [190]: 116; [192]: 246; [218]: Tab. XXIII; *Cetraria glauca* (L.) Ach. – [53]: 247^{R}; [60]: 189; [74]: 88, 94, 95, 106, 112, 125, 126, 139, 140, 141, 146, 157, 172, 173; [97]: 255, 273; [104]: 196, 198, 217; *Cetraria glauca* f. *crispata* Hilitzer – [3]: 170^{Bw}; ? *Cetraria glauca* f. *fallax* (Weber) Ach. – [60]: 189; [77]: 237; [104]: 197; *Platysma glaucum* (L.) Frege – [15]: 155

**Plectocarpon lichenum* (Sommerf.) D. Hawksw.; *Celidium stictarum* Tul. – [105]: 275

Pleopsidium chlorophanum (Wahlenb.) Zopf – [223]: 752; *Acarospora chlorophana* (Wahlenb.) A. Massal. – [75]: 47; [76]: 112; [130]: 107; [216]: 338; [218]: 179, 180, 181, Tab. 3, 21; *Gussonea chlorophana* (Wahlenb.) Tornab. – [105]: 280

Pleurosticta acetabulum (Neck.) Elix et Lumbsch; *Parmelia acetabulum* (Neck.) Duby – [41]: 241; [55]: 49; [60]: 185; [97]: 270; [175]: 67

Polyblastia cruenta (Körb.) P. James et Swinscow – [223]: 754; *Polyblastia henscheliana* (Körb.) Lönnr. – [60]: 114; [80]: 140; [218]: Tab. 3

Polychidium muscicola (Sw.) Gray – [60]: 135; [102]: 422; [105]: Tab. I, 99; [223]: 757; *Leptogium muscicola* (Sw.) Fr. – [104]: 211, 221

Polysporina lapponica (Schaer.) Degel.; *Acarospora silesiaca* (H. Magn.) H. Magn. – [60]: 168; [159]: 50

Polysporina simplex (Davies) Vězda – [28]: 470; [41]: 277; *Sarcogyne simplex* (Davies) Nyl. – [60]: 166; [165]: 76; *Sarcogyne privigna* var. *simplex* (Davies) Körb. – [105]: Tab. I, 212

Porina austriaca (Körb.) Arnold – [60]: 118; [80]: 140

Porina lectissima (Fr.) Zahlbr. – [28]: 470; [60]: 118; [75]: 42; [80]: 149; [113]: 105^{Bw}; [166]: 116, 122; [218]: Tab. II; [223]: 762; *Segestrella lectissima* (Fr.) Mudd – [105]: Tab. I, 253

Porina leptalea (Durieu. et Mont.) A. L. Sm. – [30]: 578; [41]: 278; [168]: 101

Porocyphus rehmicus (A. Massal.) Zahlbr. – [41]: 279; [60]: 132; [165]: 72; [223]: 765; *Porocyphus rehmii* (Körb.) Harm. – [113]: 178^{Bw}; [122]: 136^{Bw}; *Psorotichia rehmica* A. Massal. – [105]: 100; *Psorotichia rehmii* Körb. – [103]: 435

Porpidia albocaerulescens (Wulfen) Hertel et Knoph – [41]: 279, 293; [99]: 18; *Lecidea albocaerulescens* (Wulfen) Ach. – [104]: 220; [105]: Tab. I, 188

Porpidia cinereoatra (Ach.) Hertel et Knoph – [41]: 279; *Lecidea cinereoatra* Ach. – [33]: 209; [60]: 140; [165]: 85; [217]: 203; [218]: Tab. VI

Porpidia crustulata (Ach.) Hertel et Knoph – [28]: 470; [30]: 578; [41]: 19^{Sp}, 136, 280; [207]: 102; *Lecidea crustulata* (Ach.) Spreng. – [60]: 140; [97]: 254, 255; [218]: Tab. V

Porpidia glaucophaea (Körb.) Hertel et Knoph – [28]: 470; [30]: 578; [41]: 280; [207]: 218; *Lecidea albocoerulescens* var. *alpina* Schaer. – [60]: 139; [105]: 188; *Lecidea glaucophaea* Körb. – [60]: 141; [166]: 116, 120

Porpidia macrocarpa (DC.) Hertel et A. J. Schwab – [30]: 578; [41]: 280; [199]: 425; [207]: 102; *Lecidea confluens* var. *ochromela* Ach. – [104]: 202; [105]: 187; *Lecidea confluens* var. *steriza* Ach. – [105]: 187; *Lecidea contigua* auct. – [97]: 253, 254; [104]: 212, 220; [105]: 187; *Lecidea contigua* var. *vulgaris* Schaer. – [104]: 199, 220; *Lecidea macrocarpa* (DC.) Steud. – [60]: 142; [217]: 203; [218]: Tab. VI; *Lecidea macrocarpa* f. *contigua* (Hoffm.) Vain. – [60]: 142; *Lecidea macrocarpa* f. *oxydata* (Körb.) Vain. – [60]: 142; *Lecidea macrocarpa* var. *platycarpa* (Ach.) Th. Fr. – [60]: 142; *Lecidea macrocarpa* f. *steriza* (Ach.) Vain. – [60]: 142; *Lecidea platycarpa* Ach. – [97]: 254; [104]: 220; [105]: 188; *Lecidea platycarpa* var. *oxydata* Körb. – [105]: 188; *Lecidea platycarpa* var. *steriza* (Ach.) Rabenh. – [104]: 195

+*Porpidia musiva* (Körb.) Hertel et Knoph; *Lecidea contigua* f. *convexa* Fr. – [105]: 188; *Lecidea contigua* var. *convexa* Fr. – [104]: 210, 220; *Lecidea macrocarpa* var. *convexa* (Fr.) H. Magn. – [60]: 142

Porpidia soredizodes (Nyl.) J. R. Laundon – [41]: 90, 280

Porpidia superba (Körb.) Hertel et Knoph; *Lecidea macrocarpa* var. *superba* (Körb.) Th. Fr. – [60]: 142; *Lecidea superba* Körb. – [105]: 188; [113]: 153^{Bw}; [122]: 71^{Bw}

Porpidia tuberculosa (Sm.) Hertel et Knoph – [28]: 470; [30]: 578; [41]: 19^{Sp}, 281, 294, 388; [171]: 46; [199]: 440; *Haplocarpon tumidum* Anzi – [218]: 138; *Lecidea sorediza* Nyl. – [97]: 254; *Lecidea tumida* A. Massal. – [60]: 144

Protoblastenia cyclospora (Körb.) Poelt – [41]: 281

Protoblastenia rupestris (Scop.) J. Steiner – [41]: 282; *Lichen rupestris* Scop. – [44]: 153^{R}; see [41]: 407^{R}; *Patellaria rupestris (* Scop.) DC. – [53]: 244^{R}

Protopannaria pezizoides (Weber) P. M. Jørg. et S. Ekman; *Biatora triptophylla* var. *pezizoides* (Weber) Kremp. – [104]: 197

Protoparmelia badia (Hoffm.) Hafellner – [41]: 282, 292, 323; [171]: 46; [223]: 776; *Lecanora badia* (Hoffm.) Ach. – [60]: 177; [77]: 233; [105]: 147; [165]: 82; [192]: 246; [217]: 201; [218]: Tab. XVII, XIX, XX, XXI, XXII; *Parmelia badia* (Hoffm.) Pers. – [104]: 217

+*Protoparmelia nephaea* (Sommerf.) R. Sant. – [221]: 320; [223]: 776

Protoparmeliopsis muralis (Schreb.) M. Choisy – [28]: 470; *Lecanora albomarginata* (Nyl.) Cromb. – [79]: 127; *Lecanora muralis* (Schreb.) Rabenh. – [41]: 200, 299, 318; [60]: 182; [165]: 69, 71; [218]: 56; *Lecanora saxicola* (Pollich) Ach. – [53]: 250^{R}; *Lichen saxicolus* Lilj. – [44]: 164^{R}; [81]: 147; *Parmelia saxicola* (Lilj.) Mart. – [104]: 195, 217; *Placodium murale* var. *diffractum* (Ach.) Arnold – [105]: 144; *Placodium saxicolum* (Pollich) Frege – [13]: 527; [97]: 260, 262, 263

Protothelenella corrosa (Körb.) H. Mayrhofer et Poelt – [41]: 282^{Sp}, 283^{SP}; [137]: 43^{Sp}; [171]: 46; [223]: 780; *Microglaena corrosa* (Körb.) Arnold – [220]: 115

Protothelenella sphinctrinoides (Nyl.) H. Mayrhofer et Poelt – [223]: 778^{Bw}

Pseudephebe minuscula (Arnold) Brodo et D. Hawksw.; *Parmelia minuscula* (Arnold) Nyl. – [60]: 187; [152]: 278

Pseudephebe pubescens (L.) M. Choisy – [223]: 781; *Parmelia lanata* (Neck.) Wallr. – [105]: 137; *Parmelia pubescens* (L.) Vain. – [60]: 187; [65]: 92^{Bw}; [77]: 236; [113]: 225^{Bw}; [216]: 340; [218]: Tab. XVII, XX, Tab. 3; *Parmelia fahlunensis* var. *lanata* (Neck.) Schaer. – [104]: 202; *Parmelia stygia* var. *lanata* (Neck.) Fr. – [104]: 215, 217

Pseudevernia furfuracea (L.) Zopf – [28]: 470; [30]: 578; [41]: 23, 182, 283; [55]: 62^{R}; [127]: 26, 33, 34, 38, 39, 42, 55, 68; [128]: 337; [175]: 85; [190]: 116; [192]: 246; [218]: Tab. X, XXIII; *Evernia furfuracea* (L.) W. Mann – [23]: 227^{Sp}; [104]: 198, 217; *Parmelia furfuracea* (L.) Ach. – [60]: 184; [74]: 55, 125, 126, 139, 140, 141, 157, 172, 173; [77]: 235; [79]: 129; [97]: 270, 273; *Parmelia furfuracea* var. *soralifera* (Bitter) Zahlbr. – [60]: 185; *Parmelia furfuracea* var. *soreumatica* Wallr. – [79]: 129

+*Pseudevernia furfuracea* var. *ceratea* (Ach.) D. Hawksw. – [41]: 283; *Parmelia furfuracea* var. *ceratea* Ach. – [60]: 185; [200]: 77

**Pseudocercospora lichenum* (Keissl.) D. Hawksw.; *Cladosporium lichenum* Keissl. – [166]: 139

Pseudosagedia aenea (Wallr.) Hafellner et Kalb; *Porina aenea* (Wallr.) Zahlbr. – [28]: 470; [30]: 578; [41]: 277, 278; *Porina carpinea* (Ach.) Zahlbr. – [166]: 127

Pseudosagedia chlorotica (Ach.) Hafellner et Kalb; *Porina chlorotica* (Ach.) Müll. Arg. – [28]: 470; [30]: 578; [41]: 90, 175, 278; [60]: 118; [97]: 262; *Sagedia macularis* (Wallr.) Körb. – [103]: 354; [105]: 250; *Verrucaria macularis* Wallr. – [104]: 221; *Verrucaria macularis* var. *contigua* Schaer. – [104]: 196

+*Psilolechia clavulifera* (Nyl.) Coppins – [171]: 39, 46

Psilolechia lucida (Ach.) M. Choisy – [28]: 470; [30]: 578; [38]: 41; [41]: 19^{Sp}, 23, 130^{Sp}, 134^{Sp}, 232, 284; [208]: 221; *Biatora lucida* (Ach.) Fr. – [24]: 33^{Sp}; [97]: 255; [104]: 195, 198, 199, 211, 212, 214, 220; [105]: Tab. I, 213; [112]: 27; *Lecidea lucida* (Ach.) Ach. – [60]: 147; [166]: 120; [200]: 62

Psora decipiens (Hedw.) Hoffm. – [41]: 284, 285; *Lecanora decipiens* (Hedw.) Ach. – [147]: 137^{Bw}; *Lecidea decipiens* (Hedw.) Ach. – [53]: 242; *Lichen decipiens* Hedw. – [44]: 163^{R}; [81]: 142

Psora testacea (Hoffm.) Ach. – [41]: 285, 320

Psorinia conglomerata (Ach.) Gotth. Schneid.; *Toninia conglomerata* (Ach.) Boistel – [60]: 154; [161]: 386

Psorotichia murorum A. Massal. – [23]: 219; [41]: 286

Punctelia borreri (Sm.) Krog; *Parmelia borreri* (Sm.) Turner – [60]: 186; [104]: 195, 197, 217

Punctelia subrudecta (Nyl.) Krog; *Parmelia dubia* (Wulfen) Schaer. – [79]: 131; [80]: 147; [104]: 195; [105]: 133; *Parmelia subrudecta* Nyl. – [41]: 249, 250; [175]: 75, 169; *Punctelia ulophylla* (Ach.) van Herk et Aptroot – [28]: 470

Pycnora sorophora (Vain.) Hafellner – [28]: 470

Pycnothelia papillaria (Ehrh.) Dufour – [41]: 26, 128, 286, 287; [60]: 157; *Cladonia papillaria* (Ehrh.) Hoffm. – [6]: 307; [23]: 232^{Sp}; [42]: 170; [77]: 231; [97]: 265; [115]: 11; [153]: 95, 99; [154]: 99; [179]: 85; *Cladonia papillaria* f. *molariformis* (Hoffm.) Schaer. – [23]: 232^{Sp}; *Lichen papillarius* Ehrh. – [44]: 161

+*Pyrenopsis picina* (Nyl.) Forssell; *Collema pulposum* var. *diffracto-areolatum* Schaer. – [104]: 211

Pyrenula laevigata (Pers.) Arnold; *Verrucaria glabrata* Ach. – [104]: 197, 221

Pyrenula nitida (Weigel) Ach. – [30]: 578; [41]: 288; [60]: 120; [74]: 94, 146; [77]: 227; [80]: 140; [127]: 27, 28, 30, 73, 90; [128]: 337; [171]: 43, 46; *Verrucaria nitida* Weigel – [53]: 240^{R}; [104]: 197, 221

Pyrenula nitidella (Schaer.) Müll. Arg. – [166]: 127

++*Pyxine sorediata* (Ach.) Mont.; *Physcia endochrysoides* Nyl. – [141]: 122

Racodium rupestre Pers. – [60]: 132; [73]: 5; [104}: 212; [157]: 168; [218]: 107, Tab. I(3)

Ramalina calicaris (L.) Fr. – [60]: 191; [104]: 195, 217; *Lichen calycaris* L. – [44]: 182^{R}; see [41]: 402^{R}; *Ramalina fraxinea* var. *calicaris* (L.) Schaer. – [105]: 123

Ramalina capitata (Ach.) Nyl. – [60]: 191; *Ramalina strepsilis* (Ach.) Zahlbr. – [97]: 260

Ramalina farinacea (L.) Ach. – [28]: 470; [30]: 578; [41]: 23, 288, 289; [55]: 61^{R}; [60]: 192; [73]: 13; [74]: 83, 146, 157, 173; [127]: 28, 38, 41, 48, 51; [128]: 337; *Lichen farinaceus* L. – [44]: 183^{R}; see [41]: 404^{R}; *Ramalina fraxinea* var. *farinacea* (L.) Fürnrohr – [53]: 247^{R}

Ramalina fastigiata (Pers.) Ach. – [41]: 289; [60]: 192; [77]: 238; *Ramalina fraxinea* var. *fastigiata* (Pers.) Fr. – [53]: 247^{R}; *Ramalina populina* (Hoffm.) Vain. – [74]: 147

Ramalina fraxinea (L.) Ach. – [41]: 289^{R}, 290; [60]: 192; [175]: 112; *Lichen fraxineus* L. – [44]: 182^{R}

Ramalina intermedia (Nyl.) Nyl. – [166]: 116, 120

Ramalina pollinaria (Westr.) Ach. – [23]: 227^{Sp}; [28]: 470; [30]: 578; [41]: 19^{Sp}, 23, 111, 113, 122, 290; [55]: 63^{R}; [60]: 192; [104]: 196, 199, 217; [127]: 45, 48, 51; *Ramalina fraxinea* var. *pollinaria* (Westr.) Fürnrohr – [53]: 247^{R}

Ramalina thrausta (Ach.) Nyl. – [3]: 187^{Bw}; [73]: 13; [74]: 147; [113]: 232^{Bw}; [127]: 38, 42, 48, 51; [128]: 337; [200]: 80

**Reichlingia leopoldii* Diederich et Scheid. – [28]: 471

Rhizocarpon alpicola (Anzi) Rabenh. – [37]: 366; [49]: 64, 114, 124; [54]: 37; [60]: 154; [178]: 93; [218]: Tab. XVII, XX, XXI, Tab. 3; [223]: 808; *Buellia alpicola* Anzi – [105]: 201; *Lecidea geographica* var. *alpicola* (Anzi) Schaer. – [104]: 198, 201, 202, 210, 215; *Rhizocarpon chionophilum* Th. Fr. – [113]: 155^{Bw}; *Rhizocarpon oreites* (Vain.) Zahlbr. – [80]: 144; [114]: 265

Rhizocarpon atroflavescens Lynge; *Rhizocarpon atroflavescens* var. *atroflavescens* Lynge – [60]: 155; *Rhizocarpon geographicum* var. *pulverulentum* (Schaer.) Runemark – [105]: 205

Rhizocarpon badioatrum (Spreng.) Th. Fr. – [41]: 292; [49]: 114, 124, 125; [80]: 144; [218]: Tab. XX, XXI, XXII; *Buellia badioatra* (Flörke) Mudd – [105]: 200; *Buellia rivularis* (Flot.) Kremp. – [105]: 201; *Lecidea atroalba* (L.) Ach. – [53]: 243; [104]: 220; *Lecidea confervoides* var. *atro-alba* (L.) Schaer. – [104]: 198; *Lichen atroalbus* L. – [44]: 157; see [41]: 401; *Rhizocarpon badioatrum* f. *atroalbum* (L.) Malme – [60]: 155

Rhizocarpon carpaticum Runemark – [49]: 115, 125; [223]: 808

Rhizocarpon cinereovirens (Müll. Arg.) Vain. – [49]: 115, 125

Rhizocarpon distinctum Th. Fr. – [19]: 594; [28]: 471; [30]: 578; [33]: 211; [41]: 24, 119, 121, 282, 292, 293, 311, 323; [49]: 113, 115, 126; [60]: 155; [165]: 79; [190]: 116; *Rhizocarpon atroalbum* var. *ambiguum* (Ach.) Kremp. – [105]: 202

Rhizocarpon drepanodes Feuerer – [49]: 115, 127

Rhizocarpon frigidum Räsänen – [49]: 70, 116, 127; *Rhizocarpon tinei* subsp. *frigidum* (Räsänen) Runemark – [178]: 144

Rhizocarpon geminatum Körb. – [105]: 205

Rhizocarpon geographicum (L.) DC. – [28]: 471; [41]: 24, 121, 124, 199, 204, 245, 247, 251, 292, 293, 388; [49]: 113, 116, 127, 128; [57]: 316; [60]: 156; [74; 55; [77]: 230; [97]: 253, 256, 258, 260, 262; [166]: 138; [190]: 116; [192]: 246; [217]: 201; [218]: Tab. XVII, XIX, XX, XXI, XXIII; *Lecidea atrovirens* (L.) Ach. – [104]: 220; *Lecidea geographica* (L.) Rabenh. – [53]: 243; ? *Lecidea geographica* var. *alpicola* f. *conglomerata* (Fr.) Schaer. – [104]: 202, 211; *Lecidea geographica* var. *contigua* Schaer. – [104]: 198, 199, 201, 202, 210, 214; *Lecidea geographica* var. *atro-virens* (L.) Schaer. – [104]: 198, 202, 210, 214; *Lecidea geographica* var. *pulverulenta* Schaer. – [104]: 198, 202, 210, 214; *Lichen geographicus* L. – [44]: 151; [81]: 140; see [41]: 404; *Rhizocarpon geographicum* f. *atro-virens* (L.) A. Massal. – [60]: 156; *Rhizocarpon geographicum* var. *contiguum* (Schaer.) Räsänen – [60]: 156; [105]: 205; *Rhizocarpon geographicum* f. *contiguum* (Schaer.) Räsänen – [80]: 144; ? *Rhizocarpon geographicum* f. *corticola* (Anzi) Jatta – [57]: 319; *Rhizocarpon geographicum* var. *ferrugineum* Räsänen – [60]: 156; *Rhizocarpon geographicum* var. *radians* Räsänen – [60]: 156; *Rhizocarpon lindsayanum* subsp. *lindsayanum* Räsänen – [165]: 79; [178]: 122; *Rhizocarpon*

lindsayanum var. *lindsayanum* Räsänen – [60]: 156; *Rhizocarpon lindsayanum* subsp. *kittilense* (Räsänen) Runemark – [178]: 126; *Rhizocarpom riparium* Räsänen – [49]: 120, 133; *Rhizocarpon tinei* subsp. *vulgare* Runemark – [178]: 133; *Rhizocarpon tinei* subsp. *diabasicum* (Räsänen) Runemark – [178]: 139; *Verrucaria geographica* (L.) F. H. Wigg. – [42]: 183

Rhizocarpon grande (Flörke) Arnold – [41]: 24, 293; [49]: 117, 129; [60]: 156; [113]: 158[Bw]; *Rhizocarpon atroalbum* var. *grande* (Flörke) Kremp. – [105]: 203

Rhizocarpon hochstetteri (Körb.) Vain. – [41]: 293; [49]: 117, 129; [60]: 156; [223]: 812; *Catocarpon applanatum* (Th. Fr.) Arnold – [111]: 73; *Lecidea confervoides* var. *concreta* Schaer. – [104]: 195, 198; *Rhizocarpon applanatum* (Fr.) Th. Fr. – [73]: 7; [113]: 155[Bw]

Rhizocarpon lecanorinum Anders – [28]: 471; [41]: 119, 208, 214, 243, 251, 293, 294, 388; [49]: 113, 117, 130; [60]: 156; [165]: 76, 80; [171]: 46; [178]: 108; [192]: 246; [217]: 201; [218]: Tab. XIX, XXI; *Lecidea geographica* var. *lecanorina* (Körb.) Nyl. – [104]: 198; *Rhizocarpon geographicum* f. *lecanora* Flörke – [97]: 257; *Rhizocarpon geographicum* var. *lecanorinum* Körb. – [105]: 205; *Rhizocarpon lecanora* (Flörke) Lynge comb. illeg. – [77]: 230

Rhizocarpon leptolepis Anzi – [49]: 118, 130; [166]: 138; [223]: 814

Rhizocarpon macrosporum Räsänen – [49]: 118, 130; [60]: 156; [178]: 112

Rhizocarpon oederi (Weber) Körb. – [49]: 118, 132; [60]: 156; [77]: 230; [166]: 138; [218]: Tab. 19; [223]: 814

Rhizocarpon petraeum (Wulfen) A. Massal.; *Lecidea confervoides* var. *dendritica* (Hoffm.) Schaer. – [104]: 212; *Lecidea petraea* (Wulfen) Ach. – [53]: 242; [104]: 195, 220; see [41]: 401; *Lichen petraeus* Wulfen – [198]: 509; *Rhizocarpon distinctum* f. *fuscum* (Flot.) Sandst. – [60]: 155

Rhizocarpon polycarpum (Hepp) Th. Fr. – [30]: 578; [41]: 295; [49]: 119, 132; [60]: 156; [73]: 7; [80]: 144; [97]: 253; [113]: 156[Bw]; [218]: Tab. XVII; ? *Buellia confervoides* f. *oxydata* Kremp. – [104]: 213; [105]: 201

Rhizocarpon reductum Th. Fr. – [30]: 578; [33]: 209, 210; [41]: 294; [49]: 118, 130, 131[Sp]; [60]: 156; [97]: 253, 258; [200]: 66; [217]: 203; [218]: Tab. VI, Tab. XVI; *Lecidea obscurata* (Ach.) Schaer. – [104]: 210, 220; *Lecidea petraea* var. *obscurata* Ach. – [104]: 210, 212; *Rhizocarpon obscuratum* auct. – [28]: 471; [41]: 19[Sp], 23, 24, 280[Sp], 388; *Rhizocarpon obscuratum* f. *fuscocinereum* (Kremp.) Arnold – [60]: 156; *Rhizocarpon petraeum* var. *majus* f. *fuscocinereum* Kremp. – [105]: 203; *Rhizocarpon petraeum* var. *obscuratum* (Ach.) Kremp. – [105]: 204

Rhizocarpon rubescens Th. Fr.; *Rhizocarpon plicatile* auct. – [24]: 37[Sp]; [41]: 294; [49]: 119, 132; [223]: 817

Rhizocarpon simillimum (Anzi) Lettau – [41]: 295, 411; [49]: 120, 133; [190]: 116; [223]: 817

Rhizocarpon viridiatrum (Wulfen) Körb. – [41]: 24, 119, 292, 295; [49]: 121, 135; [60]: 157; [105]: Tab. I, 206; [113]: 158[Bw]; [159]: 51; [165]: 76; [178]: 101; [190]: 116

+*Rimularia furvella* (Mudd) Hertel et Rambold; *Lecidea furvella* Mudd – [60]: 141; [157]: 168; [165]: 85; [216]: 340; [218]: Tab. XVII, XIX, XX, XXI, XXII

Rimularia gibbosa (Ach.) Coppins, Hertel et Rambold – [208]: 220; [223]: 820; *Lecanora bockii* (Fr.) Rabenh. – [60]: 174; [113]: 204[Bw]; [165]: 82; *Mosigia gibbosa* (Ach.) A. Massal. – [103]: 309; [105]: Tab. I, 253; [218]: Tab. X, XVII, XX, XXI; *Pyrenula gibbosa* Ach. – [104]: 212; *Sagedia gibbosa* (Ach.) Fr. – [104]: 221

Rinodina archaea (Ach.) Arnold (1881) – [165]: 67

Rinodina aspersa (Borrer) J. R. Laundon – [41]: 23, 295, 296; *Rinodina fatiscens* (Th. Fr.) Vain. – [60]: 203; [135]: 410; [159]: 51

Rinodina atrocinerea (Hook.) Körb. – [60]: 203; [112]: 27

Rinodina bischoffii (Hepp) A. Massal. – [41]: 105, 296, 297; [135]: 383[R]; [165]: 71, 72

Rinodina calcarea (Arnold) Arnold – [41]: 297

Rinodina confragosa (Ach.) Körb. – [23]: 235[Sp]; [135]: 398[Sp]; [165]: 79; [223]: 831

Rinodina conradii Körb. – [60]: 203; [134]: 324; summit of Mt. Brand near Hetzeldorf

Rinodina dubyana (Hepp) J. Steiner – [41]: 297, 298; [136]: 93; *Buellia dubyana* (Hepp) Rabenh. – [165]: 68, 70

+*Rinodina efflorescens* Malme – [28]: 471; [171]: 39, 46

Rinodina exigua (Ach.) Gray – [41]: 298; [165]: 67

+*Rinodina fimbriata* Körb. – [41]: 103, 298, 299, 309

Rinodina gennarii Bagl. – [41]: 299, 300; *Rinodina demissa* auct. – [23]: 236[Sp]; [97]: 253, 263; *Rinodina salina* Degel. – [60]: 204

Rinodina griseosoralifera Coppins – [149]: 321

Rinodina immersa (Körb.) Zahlbr. – [41]: 300; [136]: 106

Rinodina lecanorina (A. Massal.) A. Massal. – [41]: 300, 301; *Lichen occellatus* (Hoffm.) Ach. – [44]: 157[R]; see [41]: 405[R]

Rinodina purpurifera Poelt – [136]: 140, 141; [167]: 4

Rinodina pyrina (Ach.) Arnold – [30]: 578; [41]: 301; [134]: 219; [165]: 67

Rinodina sophodes (Ach.) A. Massal. – [88]: 244
+*Rinodina trachytica* (A. Massal.) Bagl. et Carestia; ? *Lecanora subfusca* var. *trachytica* A. Massal. – [105]: 149
Ropalospora viridis (Tønsberg) Tønsberg – [28]: 471; [171]: 39, 46
**Sagediopsis barbara* (Th. Fr.) R. Sant. et Triebel – [207]: 114, 115, 218; *Gongylia nadvornikii* Servít – [166]: 140
+*Sarcogyne privigna* (Ach.) A. Massal. – [41]: 304
Sarcogyne regularis Körb. – [41]: 305; *Lecidea immersa* var. *pruinosa* (Ach.) Schaer. – [104]: 215; *Sarcogyne pruinosa* auct. – [60]: 166; [165]: 73
Sarcosagium campestre (Fr.) Poetsch et Schied.; *Biatorella campestris* (Fr.) Almq. – [132]: 22^{R}
°*Sarea difformis* (Fr.) Fr. – [30]: 578; [41]: 305
°*Sarea resinae* (Fr.: Fr.) Kuntze – [30]: 578; [41]: 305
Schaereria cinereorufa (Schaer.) Th. Fr. – [223]: 848; *Lecidea cinereorufa* Schaer. – [60]: 148; [113]: 154^{Bw}; [216]: 340; [218]: Tab. XX; *Lecidea lugubris* Fr. – [104]: 213, 220; [105]: Tab. I, 191; *Psora cinereorufa* (Schaer.) Hellb. – [73]: 6; [122]: 84^{Bw}; *Schaereria lugubris* (Fr.) Körb. – [102]: 232
Schaereria fuscocinerea (Nyl.) Clauzade et Cl. Roux – [223]: 850; *Lecidea tenebrosa* Flot. – [216]: 340; [218]: Tab. XVII, XIX, XX, Tab. 3; [217]: 201
Schismatomma pericleum (Ach.) Branth et Rostr.; *Schismatomma abietinum* (Humb.) Almq. non (Ach.) A. Massal. – [60]: 130; [73]: 5; [74]: 98; [80]: 141; [127]: 26, 73, 90
+*Schismatomma umbrinum* (Coppins et P. James) P. M. Jørg. et Tønsberg; *Lecanactis umbrina* Coppins et P. James – [171]: 33, 45
**Sclerococcum sphaerale* (Ach.) Fr. – [41]: 262, 306; [208]: 225; *Coniothecium sphaerale* (Fr.) Keissl. – [165]: 90; [218]: Tab. XX
Sclerophora pallida (Pers.) Y. J. Jao et Spooner; *Coniocybe stilbea* Ach. – [53]: 252^{R}
+*Sclerophora peronella* (Ach.) Tibell – [171]: 30, 43, 46; *Coniocybe hyalinella* Nyl. – [76]: 106
Scoliciosporum chlorococcum (Stenh.) Vězda – [28]: 471; [30]: 578; [41]: 306; [127]: 73, 90; [128]: 337; *Bacidia chlorococca* (Stenh.) Lettau – [55]: 35^{R}; [88]: 240; [165]: 59; [166]: 123
Scoliciosporum sarothamni (Vain.) Vězda – [171]: 40, 46
Scoliciosporum umbrinum (Ach.) Arnold – [41]: 243, 307, 388; *Bacidia umbrina* (Ach.) Bausch – [165]: 77; [216]: 339; [218]: 21, Tab. XVI
**Scutula epiblastematica* (Wallr.) Rehm – [24]: 46
Solorina saccata (L.) Ach. – [41]: 307; [208]: 228^{R}; *Lichen saccatus* L. – [44]: 179; [81]: 142; *Peltigera saccata* (L.) DC. – [53]: 245
**Sphaerellothecium minutum* Hafellner – [208]: 225
Sphaerophorus fragilis (L.) Pers. – [3]: 31^{Bw}; [60]: 124; [77]: 227; [104]: 216; [105]: 228; [172]: 342^{Bw}; [208]: 225; [218]: Tab. XX, XXII, Tab. 3; [223]: 862; *Sphaerophoron fragile* (L.) Pers. – [104]: 210, 221; [105]: 228
Sphaerophorus globosus (Huds.) Vain. – [41]: 404^{R}; [58]: 47; [60]: 124; [74]: 139, 154; [80]: 140; [124]: 78; [171]: 40, 43, 46; [218]: Tab. XXIII; *Lichen globiferus* L. – [44]: 189^{R}; see [41]: 404^{R}; *Sphaerophorus coralloides* Pers. – [104]: 198, 201, 209, 212, 221; [105]: Tab. I, 228; [112]: 30
Spilonema revertens Nyl. – [165]: 79; [223]: 867
Sporastatia polyspora (Nyl.) Grummann – [218]: Tab. 3; *Biatorella cinerea* (Schaer.) Th. Fr. – [73]: 7; *Sporastatia cinerea* (Schaer.) Körb. – [132]: 5^{Bw}, 6^{Bw}
Squamarina cartilaginea (With.) P. James – [41]: 308; *Squamarina crassa* (Huds.) Poelt – [60]: 182
Squamarina gypsacea (Sm.) Poelt – [60]: 182; *Psoroma gypsaceum* (Sm.) A. Massal. – [105]: 147^{R}; see [41]: 410^{R}
Squamarina lentigera (Weber) Poelt – [60]: 182; *Lichen lentigerus* Weber – [81]: 141; see [41]: 405
Staurothele fissa (Taylor) Zwackh – [41]: 85, 103, 298, 309; [60]: 117; [97]: 262; [200]: 57
Staurothele frustulenta Vain. – [41]: 309; *Staurothele elegans* (Wallr.) Zwackh – [113]: 85^{Bw}; [200]: 57
Staurothele rufa (A. Massal.) Zschacke – [41]: 310; [165]: 73
Steinia geophana (Nyl.) Stein – [171]: 40, 46
°*Stenocybe major* Körb. – [76]: 106; [88]: 244; [166]: 115, 127; [223]: 874
°*Stenocybe pullatula* (Ach.) Stein – [28]: 471; [30]: 578; [41]: 90, 311; *Stenocybe byssacea* (Fr.) Körb. – [21]: 61
Stereocaulon condensatum Hoffm. – [14]: 74, 75; [24]: 7^{Sp}; [41]: 311, 370; [60]: 163; [105]: 115; [223]: 878
Stereocaulon dactylophyllum Flörke – [41]: 311, 370; [60]: 163; [217]: 203; [218]: Tab. VI; [223]: 878; *Stereocaulon corallinum* Laurer – [104]: 196, 198, 199, 210, 217; [105]: Tab. I, 114; *Stereocaulon coralloides* Fr. – [3]: 123; [33]: 183; [51]: 200^{Bw}; [77]: 232; [80]: 145; [115]: 49; [200]: 68^{Bw}
Stereocaulon evolutum Graewe – [60]: 164; [160]: 281; [220]: 119
Stereocaulon nanodes Tuck. – [136]: 141; [166]: 139; [167]: 4; [223]: 880; *Stereocaulon nanodes* f. *tyroliense* (Nyl.) I. M. Lamb – [60]: 164; *Stereocaulon tyroliense* (Nyl.) Lettau – [156]: 325

Stereocaulon pileatum Ach. – [60]: 164; [136]: 141; [166]: 139; [167]: 4; [223]: 880; *Stereocaulon saxonicum* Bachm. – [77]: 232; [60]: 164

Stereocaulon tomentosum Fr. – [23]: 228^{Sp}; [24]: 7^{Sp}; [41]: 312; [51]: 188; [60]: 164; [104]: 210, 217; [105]: Tab. I, 115; [223]: 882

Stereocaulon vesuvianum Pers. – [60]: 164; [218]: Tab. VI; [223]: 882; *Stereocaulon denudatum* Flörke – [3]: 124^{Bw}; [51]: 136^{Bw}; [77]: 232; [104]: 216, 217; [105]: Tab. I, 115; [113]: 171^{Bw}

Sticta fuliginosa (Hoffm.) Ach. – [73]: 9; [74]: 168; [127]: 43, 55, 69

Sticta sylvatica (Huds.) Ach. – [53]: 246; [60]: 137; [73]: 9; [74]: 168; [104]: 199, 214, 217; [127]: 43, 55, 69; *Lichen silvaticus* Huds. – [44]: 176; see [41]: 408^{R}

**Stigmidium fuscatae* (Arnold) R. Sant. – [30]: 578; [41]: 312

**Stigmidium lichenum* (Winter) Triebel et Scholz; *Arthopyrenia lichenum* Winter – [24]: 47^{Sp}; [41]: 312

Strangospora moriformis (Ach.) Stein; *Biatorella moriformis* (Ach.) Th. Fr. – [60]: 165; [77]: 232

Strangospora ochrophora (Nyl.) R. A. Anderson – [171]: 40, 46

Strangospora pinicola (A. Massal.) Körb. – [41]: 313; *Biatorina pinicola* (A. Massal.) Anzi. – [55]: 35

Strigula stigmatella (Ach.) R. C. Harris – [168]: 101; [171]: 46; [223]: 888; *Porina faginea* (Schaer.) Arnold – [166]: 129

Synalissa symphorea (Ach.) Nyl. – [41]: 313; *Synalissa acharii* Trevis. – [105]: 100^{R}; *Synalissa ramulosa* auct. – [103]: 428^{R}

**Syzygospora physciacearum* Diederich – [28]: 471

Tephromela atra (Huds.) Hafellner; *Lecanora atra* (Huds.) Ach. – [60]: 177; [77]: 233; [97]: 258; [104]: 195, 199, 202, 211, 215; [105]: 148; [116]: 41^{Sp}; [165]: 78; [218]: Tab. XIX; *Parmelia atra* (Huds) Ach. – [104]: 217; *Psora atra* (Huds.) Hampe – [53]: 251^{R}; see [41]: 410^{R}

Tephromela grumosa (Pers.) Hafellner et Cl. Roux – [28]: 471; [41]: 314^{Sp}; *Lecanora atra* var. *grumosa* (Pers.) Ach. – [23]: 237^{Sp}; [60]: 177; [105]: 148; *Lecanora grumosa* (Pers.) Du Rietz – [97]: 258; *Psora atra* f. *grumosa* (Pers.) Ach. – [53]: 251; see [41]: 410

Thamnolia vermicularis (Sw.) Schaer. – [3]: 178^{Bw}; [54]: 31, 37; [60]: 195; [65]: 108^{Bw}; [77]: 238; [93]: 706^{Bw}; [105]: Tab. I, 114; [113]: 232^{Bw}; [144]: 265; [152]: 278; [216]: 338; [218]: Tab. 3; [223]: 894; *Cladonia vermicularis* (Sw.) DC. – [104]: 210, 216, 217; *Lichen vermicularis* Sw. – [44]: 188^{R}; see [41]: 408^{R}; *Thamnolia vermicularis* var. *taurica* (Wulfen) Schaer. – [60]: 195; [93]: 710

Thamnolia vermicularis var. *subuliformis* (Ehrh.) Schaer. – [60]: 195; [93]: 713

Thelidium alpinum (Zschacke) Servít; *Verrucaria hochstetteri* var. *alpina* Zschacke – [226]: 61^{R}

Thelidium decipiens (Nyl.) Kremp.; *Thelidium amylaceum* auct. – [235]: 341^{R}

+*Thelocarpon laureri* (Flot.) Nyl. – [132]: 314; [166]: 139; [220]: 120; [223]: 902

Thelocarpon superellum Nyl. – [171]: 41, 42, 46

Thelomma ocellatum (Körb.) Tibell – [41]: 316

Thelopsis rubella Nyl. – [166]: 115, 127; [223]: 904

Thelotrema lepadinum (Ach.) Ach. – [30]: 578; [41]: 317; [60]: 130; [74]: 94, 95, 147; [77]: 228; [80]: 141; [104]: 197, 213, 217; [127]: 30, 73, 91; [128]: 337; [171]: 43, 46; [200]: 60

Thyrea confusa Henssen – [41]: 317

Toninia athallina (Hepp) Timdal – [41]: 317; *Catillaria athallina* (Hepp) Hellb. – [94]: 355; [165]: 70

Toninia candida (Weber) Th. Fr. – [41]: 318; *Lecidea candida* (Weber) Ach. – [53]: 242

Toninia sedifolia (Scop.) Timdal – [41]: 318, 319; *Lecidea vesicularis* (Hoffm.) Ach. – [53]: 242; *Lichen vesicularis* Hoffm. – [44]: 162^{R}; *Thalloidima coeruleonigricans* auct. – [24]: 32; *Thalloidima vesiculare* (Hoffm.) A. Massal. – [105]: 184; *Toninia coeruleonigricans* auct. – [60]: 154; [76]: 111

Toninia squalida (Ach.) A. Massal. – [60]: 155; [105]: Tab. I, 185; [218]: XVI^{5}, Tab. 3; [223]: 914; *Lecidea squalida* (Ach.) Ach. – [104]: 211, 220; *Toninia squarrosa* (Ach.) Th. Fr. – [113]: 159^{Bw}; [122]: 100^{Bw}

Toninia taurica (Szatala) Oxner – [41]: 320

Trapelia coarctata (Sm.) M. Choisy – [28]: 471; [30]: 578; [41]: 86, 320; [171]: 46; [218]: Tab. V; *Biatora coarctata* (Sm.) Th. Fr. – [97]: 254; *Lecidea coarctata* (Sm.) Nyl. – [60]: 145; *Lecidea coarctata* var. *elachista* (Ach.) Th. Fr. – [60]: 145; *Lecidea coarctata* var. *elacista* (Ach.) Th. Fr. – [104]: 195; [105]: 165

Trapelia corticola Coppins et P. James – [171]: 41, 46

Trapelia involuta (Taylor) Hertel – [28]: 471; [30]: 578; [41]: 90, 136, 280, 295, 321; [69]: 512; *Lecidea coarctata* var. *ornata* (Sommerf.) Nyl. – [165]: 87; *Trapelia ornata* (Sommerf.) Hertel – [166]: 139; [218]: Tab. VI, X, XXI

Trapelia obtegens (Th. Fr.) Hertel – [30]: 578; [41]: 321; [166]: 139

Trapelia placodioides Coppins et P. James – [30]: 578; [41]: 321

Trapeliopsis flexuosa (Fr.) Coppins et P. James – [28]: 471; [30]: 578; [41]: 322; *Lecidea aeruginosa* Borrer – [127]: 72, 84; *Lecidea flexuosa* sensu Vain. non Fr. – [216]: 342

Trapeliopsis gelatinosa (Flörke) Coppins et P. James – [28]: 471; [171]: 41, 46

++*Trapeliopsis glaucolepidea* (Nyl.) Gotth. Schneid. – [171]: 41, 42, 46

Trapeliopsis granulosa (Hoffm.) Lumbsch – [28]: 471; [30]: 578; [41]: 19^{Sp}, 23, 322; [52]: 103; [72]: 346; *Biatora decolorans* (Hoffm.) Fr. – [104]: 220; [105]: 217; *Biatora granulosa* (Hoffm.) Flot. – [97]: 265; [153]: 99; *Biatora granulosa* var. *decolorans* (Hoffm.) Hepp – [104]: 202, 210, 216; *Lecidea granulosa* (Hoffm.) Ach. – [60]: 146; [77]: 230; [80]: 143; [200]: 62; ? *Lecidea granulosa* var. *decolorans* f. *aporetica* Ach. – [80]: 143; [104]: 202

Trapeliopsis pseudogranulosa Coppins et P. James – [28]: 471; [30]: 578; [41]: 323

Trapeliopsis viridescens (Schrad.) Coppins et P. James – [28]: 471; [30]: 578; [41]: 323; *Biatora viridescens* (Schrad.) W. Mann – [105]: 217; *Lecidea viridescens* (Schrad.) Ach. – [60]: 148

Tremolecia atrata (Ach.) Hertel – [199]: 450; [223]: 927; *Lecidea dicksonii* auct. non (J. F. Gmelin) Ach. – [60]: 140; [113]: 146^{Bw}; [218]: Tab. XVII, Tab. 19; *Lecidea melanophaea* Fr. – [104]: 220; *Lecidea variegata* var. *melanophaea* (Fr.) Kremp. – [105]: 189; *Urceolaria oederi* (Ach.) Schaer. – [104]: 215

Tuckermannopsis chlorophylla (Willd.) Hale; *Cetraria chlorophylla* (Willd.) Vain. – [28]: 467; [30]: 576; [41]: 23, 126, 127, 184; [60]: 189; [74]: 95, 126, 157, 172; [80]: 148; [97]: 270, 273; [127]: 38, 53, 54; [128]: 336; [175]: 84; [192]: 246; *Cetraria scutata* auct. non Wulfen – [77]: 237; *Platysma saepincola* f. *chlorophyllum* (Willd.) Berdau – [23]: 232^{Sp}

Umbilicaria crustulosa (Ach.) Frey – [51]: 269^{Bw}; [60]: 164; [79]: 126; [185]: 215; [218]: Tab. 3; [223]: 931; *Gyrophora cirrhosa* (Hoffm.) Vain. – [3]: 129^{Bw}; *Gyrophora cirrosa* (Hoffm.) Vain. – [113]: 172^{Bw}; *Gyrophora spadochroa* auct. medioeur. – [96]: 248; [172]: 280^{Bw}; *Umbilicaria vellea* var. *spadochroa* (Hoffm.) Fr. – [105]: 182

Umbilicaria cylindrica (L.) Duby – [51]: 335^{Bw}; [54]: 29;[57]: 316; [60]: 164; [79]: 126; [80]: 145; [97]: 256; [104]: 221; [123]: 64; [186]: 84; [192]: 246, 251; [218]: Tab. XVII, XX, XXI, XXII; [223]: 931; *Gyrophora cylindrica* (L.) Ach – [3]: 131^{Bw}; [65]: 55^{Bw}; [77]: 232; [96]: 248; [113]: 173^{Bw}; *Umbilicaria cylindrica* var. *tornata* (Ach.) Nyl. – [165]: 88; *Umbilicaria polymorpha* var. *cylindrica* (L.) Schaer. – [104]: 202, 210; [105]: 181

Umbilicaria deusta (L.) Baumg. – [41]: 323, 388; [57]: 316; [60]: 164; [79]: 126; [123]: 102; [192]: 246, 251; [218]: Tab. XVII, XXI, XXII; [223]: 931; *Gyrophora proboscidea* sensu Lettau – [113]: 173^{Bw}; *Umbilicaria flocculosa* (Wulfen) Hoffm. – [105]: 182; *Umbilicaria polymorpha* var. *deusta* (L.) Schaer. – [104]: 202, 210, 216; *Umbilicaria polyphylla* var. *flocculosa* (Wulfen) Schaer. – [104]: 198, 202, 215, 220

Umbilicaria hirsuta (Westr.) Hoffm. – [51]: 298^{Bw}; [60]: 164; [79]: 126; [97]: 256; [165]: 88; [185]: 226; [192]: 246; [208]: 219; [218]: Tab. X; *Gyrophora hirsuta* (L.) Flot. – [113]: 173^{Bw}; *Umbilicaria vellea* var. *hirsuta* (Westr.) Fr. – [104]: 211, 215; [105]: 182

Umbilicaria hyperborea (Ach.) Hoffm. – [41]: 411; [51]: 350; [60]: 164; [65]: 60^{Bw}; [104]: 202, 220; [105]: 181; [115]: 56^{Bw}; [123]: 82; [165]: 88; [185]: 234; [186]: 84; [218]: Tab. XVII; [223]: 934; *Gyrophora hyperborea* (Ach.) Ach. – [113]: 173^{Bw}

Umbilicaria nylanderiana (Zahlbr.) H. Magn. – [223]: 934; *Umbilicaria corrugata* (DC.) Nyl. – [165]: 88

Umbilicaria polyphylla (L.) Baumg. – [41]: 202, 282, 323; [54]: 29; [60]: 165; [79]: 126; [80]: 145; [97]: 256, 260; [104]: 221; [105]: 182; [123]: 91; [165]: 88; [166]: 138; [218]: Tab. XVII, XX, XXII; [223]: 936; *Gyrophora polyphylla* (L.) Funck – [74]: 55; [77]: 232; [200]: 68; *Gyrophora polyphylla* var. *glabra* (Lilj.) – [104]: 198, 212; "*Umbilicaria aenea* Mey." – [53]: 242^{R}; see [41]: 411^{R}; *Umbilicaria polyphylla* var. *glabra* (Lilj.) Stenh. – [104]: 202, 210

Umbilicaria proboscidea (L.) Schrad. – [51]: 342^{Bw}; [60]: 165; [218]: Tab. 3; [223]: 936; *Gyrophora proboscidea* (L.) Ach. – [3]: 132^{Bw}; *Lichen proboscideus* L. – [81]: 149; [198]: 531^{Bw}; see [41]: 406

Umbilicaria torrefacta (Lightf.) Schrad. – [60]: 165; [123]: 113; [165]: 88; [218]: XIX, XX, XXI, Tab. 3; [223]: 940; *Gyrophora erosa* (Weber) Hoffm. – [3]: 133^{Bw}; [113]: 173^{Bw}; *Gyrophora torrefacta* (Lightf.) Cromb. – [3]: 133; *Umbilicaria erosa* (Weber) Hoffm. – [3]: 133^{Bw}; [51]: 375; [80]: 145; [104]: 210, 216, 221; [105]: 181; [185]: 236^{Bw}; *Umbilicaria erosa* var. *torrefacta* (Lightf.) Frey – [79]: 126

Umbilicaria vellea (L.) Hoffm. (1791) – [60]: 165; [104]: 214, 221; [105]: Tab. I, 182; [123]: 56; [165]: 88; [177]: 186; [192]: 251

+*Usnea diplotypus* Vain. – [41]: 324

Usnea filipendula Stirt. – [30]: 578; [41]: 324, 325; [127]: 38, 39, 41, 42, 48, 51; [128]: 337; *Usnea barbata* var. *dasypoga* (Ach.) Fr. – [104]: 213; *Usnea dasypoga* (Ach.) Shirley – [3]: 189^{Bw}; [60]: 193; [74]: 112, 125, 139, 140, 141, 146, 157, 172, 173; [104]: 196; *Usnea dasypoga* var. *stramineola* Motyka – [60]: 193; [93]: 537; *Usnea dasypoga* var. *tuberculata* Motyka – [60]: 193; [93]: 543; *Usnea flagellata* Motyka – [93]: 547; [161]: 398; *Usnea hirtella* (Arnold) Motyka – [60]: 194; *Usnea muricata* Motyka – [93]: 566^{Bw}; [139]: 220

Usnea florida (L.) F. H. Wigg. – [41]: 325; [60]: 193; [127]: 41, 48, 52; [128]: 337; [139]: 242^{R}; *Lichen floridus* L. – [44]: 191^{R}; [81]: 149; see [41]: 404; *Usnea barbata* var. *florida* (L.) Fr. – [23]: 226^{Sp}; [53]: 246^{R}; [104]: 196, 217;

Usnea florida subsp. *euflorida* Motyka – [139]: 242; *Usnea submollis* J. Steiner – [3]:189; see [41]: 412; most likely a misidentification by Anders (Clerc in litt.). *U. submollis* J. Steiner is not a synonym of *U. florida*.

Usnea glabrata (Ach.) Vain. – [41]: 326; [60]: 193; [93]: 684; [127]: 42, 48, 52[Bf]; [139]: 497[Bf]; *Usnea barbata* f. *sorediifera* Arnold – [23]: 226

Usnea glabrescens (Vain.) Vain. – [127]: 41, 48, 52; [128]: 337; *Usnea compacta* (Räsänen) Motyka – [60]: 193; *Usnea sorediifera* var. *compacta* (Räsänen) Keissl. – [93]: 640

Usnea hirta (L.) F. H. Wigg. – [30]: 578; [41]: 184, 326, 412[R]; [44]: 191[R]; [60]: 194; [74]: 141; [97]: 270, 273; [127]: 38, 41, 48, 53; [128]: 337; [175]: 86; [192]: 246; [209]: 229; *Usnea barbata* var. *hirta* (L.) Fr. – [53]: 246[R]; [104]: 217

Usnea intermedia (A. Massal.) Jatta; *Usnea faginea* Motyka – [60]: 193; *Usnea glauca* var. *typica* Motyka – [139]: 167; *Usnea glauca* subsp. *faginea* (Motyka) Keissl. – [93]: 514; *Usnea rigida* (Ach.) Motyka nom. illeg. non Vain. – [30]: 578; [41]: 326, 327; [127]: 48, 53

Usnea lapponica Vain.; *Usnea sorediifera* sensu Motyka non (Arnold) Lynge – [87]: 95; *Usnea monstruosa* Vain. – [60]: 194; a species of uncertain identity; see [60]

Usnea longissima Ach. – [41]: 412; [60]: 194; [93]: 665, 666; [96]: 246[Bw]; [105]: 117; [113]: 234[Bw]; [127]: 42, 48, 53; [139]: 427; [172]: 384; *Usnea longissima* var. *contorta* Elenk. – [60]: 194; [93]: 668

Usnea scabrata Nyl.; *Alectoria plicata* (L.) – [53]: 246[R]; *Lichen barbatus* L. – [44]: 191[R]; see [41]: 401[R]; *Lichen plicatus* L. – [44]: 192[R]; see [41]: 406[R]; *Usnea barbata* (L.) F. H. Wigg. – [209]: 229; *Usnea barbata* var. *plicata* (L.) Fr. – [53]: 246[R]; *Usnea plicata* (L.) F. H. Wigg. – [60]: 194

Usnea subfloridana Stirt. – [28]: 471 "cf."; [30]: 578; [41]: 328; [87]: 95; [127]: 38, 41, 42, 48, 53; [128]: 337

Usnea substerilis Motyka – [41]: 328

Usnea wasmuthii Räsänen – [41]: 328

Verrucaria acrotella Ach. – [166]: 139; *Verrucaria macularis* var. *acrotella* (Ach.) Schaer. – [104]: 196

+*Verrucaria aethiobola* Wahlenb.; *Verrucaria elaeina* Sm. et Sowerb. – [105]: 237

Verrucaria aethioboloides Zschacke; *Verrucaria hydrela* var. *aethioboloides* Kremp. – [60]: 109; [105]: 237

Verrucaria aquatilis Mudd – [41]: 329, 335

Verrucaria calciseda DC. – [41]: 329, 330

Verrucaria dolosa Hepp – [41]: 412 (cf.)

Verrucaria funckii (Spreng.) Zahlbr. – [30]: 578; [41]: 331; [206]: 71

Verrucaria fuscella (Turner) Winch. – [41]: 332[Bf]; [105]: 234[Bf]

Verrucaria hochstetteri Fr. – [41]: 332; [226]: 61[R]

Verrucaria hydrela Ach. – [60]: 109; [97]: 262

Verrucaria lecideoides (A. Massal.) Trevis. – [41]: 332

Verrucaria marmorea (Scop.) Arnold – [21]: 74; [41]: 333

Verrucaria muralis Ach. – [28]: 471; [41]: 333

+*Verrucaria murina* Leight. – [41]: 334; [226]: 129; *Verrucaria murina* var. *pusilla* A. L. Smith – [226]: 130; *Verrucaria myriocarpa* Hepp – [9]: 599; *Verrucaria myriocarpa* var. *pusilla* Arnold – [9]: 599

Verrucaria nigrescens Pers. – [13]: 528; [28]: 471; [30]: 578, [41]: 334; [60]: 110; [76]: 104; [97]: 263

Verrucaria praetermissa (Trevis.) Anzi – [41]: 103, 298, 309, 335

Verrucaria pseudomyriocarpa Servít – [41]: 413[R]; [201]: 373[R]

+*Verrucaria rheitrophila* Zschacke – [41]: 335

Verrucaria subfuscella Nyl.; *Dermatocarpon subfuscellum* (Nyl.) Servít – [60]: 116

Verrucaria velana (A. Massal.) Zahlbr. – [41]: 336; [226]: 310; *Lithoicea velana* (A. Massal.) Lojka – [21]: 69

Vezdeae aestivalis (Ohlert) Tscherm.-Woess et Poelt – [28]: 471

**Vouauxiella lichenicola* (Linds.) Petr. et Sydow – [41]: 336; [165]: 61, 91; [208]: 228

Vulpicida juniperinus (L.) J.-E. Mattsson et M. J. Lai; *Cetraria juniperina* (L.) Ach. – [104]: 196, 198; *Lichen juniperinus* L. – [81]: 143

Vulpicida pinastri (Scop.) J.-E. Mattsson et M. J. Lai – [41]: 337; [171]: 46; *Cetraria pinastri* (Scop.) Gray – [52]: 103; [60]: 190; [74]: 106; [77]: 237; [97]: 271, 273; [104]: 217; [127]: 34, 54, 56; [128]: 336; *Lichen pinastri* Scop. – [81]: 143

Xanthoparmelia conspersa (Ach.) Hale – [28]: 471; *Parmelia conspersa* (Ach.) Ach. – [30]: 577, [41]: 23, 119, 199, 242, 243, 245; [60]: 186; [77]: 236; [97]: 253, 257, 258; [104]: 195, 196, 197, 199, 217; [165]: 76; [190]: 116; *Imbricaria conspersa* (Ach.) DC. – [9]: 594; [15]: 164; [33]: 196; *Lichen conspersus* Ach. – [44]: 169; *Lobaria conspersa* (Ach.) Gärtn., Mey. et Scherb. – [53]: 248; *Parmelia conspersa* var. *isidiata* Anzi – [60]: 186; [77]: 236

+*Xanthoparmelia mougeotii* (D. Dietr.) Hale; *Imbricaria mougeotii* (D. Dietr.) Flot. – [25]: 51; *Parmelia mougeotii* D. Dietr. – [3]: 146[Bw]; [41]: 413; [60]: 187; [111]: 73; [113]: 224[Bw]

Xanthoparmelia somloënsis (Gyeln.) Hale – [28]: 471; [208]: 220; *Parmelia conspersa* f. *stenophylla* Ach. – [62]: 275; *Parmelia somloënsis* Gyeln. – [41]: 23, 119, 248; *Parmelia stenophylla* (Ach.) Heug. – [60]: 188; could also refer to *Xanthoparmelia conspersa* (Jørgensen pers. comm.); *Parmelia taractica* auct. – [190]: 116

Xanthoria candelaria (L.) Th. Fr. – [30]: 578; [41]: 337, 338; [55]: 65^{R}; [60]: 199; [73]: 14; [97]: 269; [175]: 58; *Lichen candelarius* L. – [44]: 162^{R}; *Lobaria parietina* var. *stenophylla* Fürnr. – [53]: 249^{R}; *Xanthoria candelaria* f. *laceratula* Arnold – [23]: 235^{Sp}; *Xanthoria candelaria* f. *lychnea* (Ach.) Arnold – [23]: 235^{Sp}; *Xanthoria candelaria* var. *torulosa* Hillmann – [60]: 199; [77]: 238

Xanthoria elegans (Link) Th. Fr. – [28]: 471; [41]: 338; [218]: 56; *Caloplaca elegans* (Link) Th. Fr. – [60]: 199; [77]: 238; *Lichen elegans* Link – [44]: 164^{R}; *Physcia elegans* (Link) De Not. – [13]: 527

Xanthoria fallax (Hepp) Arnold – [28]: 469, 471; [41]: 268, 304, 338, 339; [60]: 200; [127]: 55, 69; [165]: 79; *Physcia fallax* (Hepp) Bausch – [105]: 143, 280; *Xanthoria substellaris* (Ach.) Vain. – [79]: 134

Xanthoria fulva (Hoffm.) Poelt et Petutschnig – [41]: 122, 339

Xanthoria parietina (L.) Th. Fr. – [28]: 471; [30]: 578; [41]: 96, 268, 339, 340; [55]: 66; [60]: 200; [77]: 238; [97]: 270; [127]: 45, 55, 69; [128]: 337; [165]: 66; *Lichen parietinus* L. – [44]: 169^{R}; *Parmelia parietina* (L.) Ach. – [104]: 217; *Physcia parietina* (L.) De Not. – [13]: 527

Xanthoria polycarpa (Hoffm.) Rieber – [30]: 578; [41]: 340; [60]: 200; [77]: 238; [79]: 133; [97]: 269, 273; [127]: 45, 55, 69; [128]: 337; *Lobaria parietina* var. *polycarpa* (Hoffm.) – [53]: 249^{R}; see [41]: 409^{R}

**Xenonectriella lutescens* (Rehm) Weese – [208]: 228

Xylographa parallela (Ach.: Fr.) Fr. – [200]: 60; *Xylographa abietina* (Pers.) Zahlbr. – [60]: 128; [80]: 141; [127]: 73, 91

Xylographa vitiligo (Ach.) J. R. Laundon; *Xylographa spilomatica* Anzi – [73]: 4

Dubious records:

Alectoria prolixa auct. – [87]: 93; = *Bryoria* spec. div. fide [222]

Allocetraria oakesiana (Tuck.) Randl. et Thell; *Cetraria oakesiana* Tuck. – [127]: 34, 54

Anaptychia crinalis (Schleich.) Vězda; *Anaptychia ciliaris* var. *crinalis* (Schleich.) Rabenh. – [60]: 206; [105]: 137

Arthonia punctiformis Ach. – [20]: 649^{R}; [127]: 28, 31, 70, 71, 74; [128]: 336

Lecanora erigens Anders – [60]: 175; known only from the type locality in Bohemia [138]: 267

Bacidia biatorina (Körb.) Vain. – [127]: 43, 71, 72

Bacidina delicata (Leight.) V. Wirth et Vězda – [30]: 576 ("cf."); see [41]: 395

Biatora meiocarpa (Nyl.) Arnold; *Lecidea meiocarpa* Nyl. – [127]: 34, 73, 85

Biatora vernalis (L.) Fr. – [104]: 220; see [41]: 396; *Lichen vernalis* L. – [81]: 150

Bryoria subcana (Stizenb.) Brodo et D. Hawksw. – [127]: 38, 39, 41, 42, 48, 50; [128]: 336; *Alectoria subcana* (Stizenb.) Gyeln. – [113]: 229^{Bw}; [200]: 79

Bunodophoron melanocarpum (Sw.) Wedin; *Sphaerophorus compressus* Ach. – [113]: 111^{Bw}; *Sphaerophorus melanocarpus* (Sw.) DC. – [3]: 31^{Bw}; [39]: 160^{Bw}; [60]: 124; all records probably refer to a report by Servít (1911) originating from the Czech side of the ridge, Palice in litt.

Calicium quercinum Pers. – [60]: 123; [105]: 267^{R}

Caloplaca ferrarii (Bagl.) Jatta – [165]: 69; probably refers to *C. crenulatella* (Nyl.) H. Olivier, Wirth pers. comm.

Cetraria odontella (Ach.) Ach. – [3]: 172; [113]: 219; [200]: 79; according to Suza (1933: 515) Anders' report refers to a growth form of *Cetraria islandica*.; *Cornicularia odontella* (Ach.) Westend. – [60]: 191; [93]: 195; listed by Grummann, but occurrence within the area disputed by the same author

Cladonia ecmocyna Leight. – [127]: 54, 58

Cliostomum griffithii auct. medioeur. p. p. – [127]: 72, 79; possibly *Pycnora praestabilis*

Collema auriforme (With.) Coppins et J. R. Laundon; *Collema auriculatum* Hoffm. – [165]: 71; tentatively identified ("nicht ganz sicher"); see [41]: 164

Collema fasciculare auct. p. p. – [127]: 43, 54, 59 ; possibly *C. conglomeratum*; *Lichen fascicularis* L. – [44]: 172^{R}; see [41]: 404^{R}

Cyphelium sessile (Pers.) Trevis. – [60]: 123; [77]: 227; *Acolium stigonellum* (Ach.) De Not. – [103]: 284^{Bw}; all published records are misidentifications or refer to dubious taxa, Palice in litt.

Fuscidea commixta (H. Magn.) V. Wirth et Vězda; *Lecidea commixta* H. Magn. – [166]: 111, 133; published as doubtfully determined

Graphis elegans (Sm.) Ach. – [127]: 72, 79; [128]: 336

Hertelidea botryosa (Fr.) Printzen et Kantvilas; *Lecidea botryosa* (Fr.) Th. Fr. – [113]: 138^{Bw}; [200]: 62; Servít's (1911) record presumably lies on the Czech side of the border, Palice in litt.

Hypocenomyce xanthococca auct. medioeur. – [127]: 72, 81; *Lecidea xanthococca* auct. medioeur. – [60]: 145
Lecanora cinereofusca H. Magn.; *Lecanora degelii* T. Schauer et Brodo – [127]: 43, 72, 82
Lecanora impudens Degel. – [127]: 45, 72, 82; [128]: 336
Lecanora laevis Poelt – [60]: 179; [153]: 65
Lecanora pumilionis (Arnold) Arnold – [127]: 34
Lecidea personata (Körb.) Jatta – [60]: 143; [113]: 151; listed by Grummann, but occurrence within the area disputed by the same author
Lecidella aff. *bullata* Körb. – [166]: 136; *L. bullata* s. str. is only known from the type ([100]), uncertain, to what species Poelt's report refers, Palice in litt.
Lepraria lactea (L.) Hue; *Lichen albus* Roth – [44]: 144[R]; see [41]: 401[R]
Lobaria scrobiculata (Scop.) DC. – [127]: 43, 55, 61
Lobaria virens (With.) J. R. Laundon; *Lobaria laetevirens* (Lightf.) Zahlbr. – [127]: 55, 61
Melanelia glabra (Schaer.) Essl.; *Parmelia glabra* (Schaer.) Nyl. – [127]: 55, 64; *"Parmelia glabrata"* (?) – [128]: 337
Micarea cinerea (Schaer.) Hedl. – [127]: 73, 86
Mycobilimbia hypnorum (Lib.) Kalb et Hafellner; *Lecidea hypnorum* Lib. – [127]: 32, 34, 73, 84
Nephroma laevigatum auct. p. p. – [74]: 168; [105]: 127; [127]: 43, 55, 63; [128]: 336; uncertain whether not *Nephroma bellum*
Pannaria conoplea (Ach.) Bory – [127]: 43, 55, 63
Peltigera aphthosa (L.) Willd.; *Lichen aphthosus* Ach. – [44]: 178[R]; uncertain wether not *Peltigera leucophlebia*, [215]: 26; see also [41]: 401[R]
Ramalina polymorpha (Lilj.) Ach.; *Lichen polymorphus* (Lilj.) Ach. – [81]: 142; the occurrence of this oceanic species in Central Europe is doubtful, the record might belong to *R. capitata*, Palice in litt.; see also [41]: 406
Ramalina roesleri (Schaer.) Hue – [127]: 42, 48, 51
Stereocaulon paschale (L.) Hoffm. – [53]: 245; [96]: 246; *Lichen paschalis* L. – [44]: 188[R], 189; see [41]: 405
Thrombium thelostomum (Harriman) A. L. Sm.; *Segestrella thelostoma* Fr. – [104]: 199, 212, 221
Usnea flammea Stirt.; *Usnea dalmatica* Mot. – [60]: 193
Usnea fulvoreagens (Räsänen) Räsänen – [127]: 42, 48, 52

Records that could not be assigned to any currently accepted name:

"*Aspicilia cinerea* var. *papillosa*" – [97]: 257
"*Baeomyces rufus* f. *polycephalus* (Hepp) Zahlbr." – [60]: 157
"*Buellia badia* var. *ossea* Poelt" – [165]: 73
"*Buellia confervoides* f. *oxydata* Kremp." – [104]: 213; [105]: 201
"*Calicium hyperellum* var. *filiforme* Schaer." – [105]: 268
"*Cetraria islandica* f. *pallida* Britzelm." – [33]: 230
"*Cetraria islandica* f. *simplex* Hilitzer" – [3]: 171[Bw]
"*Cetraria islandica* f. *sorediifera* Arnold" – [33]: 230
"*Cladonia carneobadia* Hampe" – [53]: 245[R]; see [41]: 397
"*Cladonia ceranoides*" – [42]: 170; see [41]: 397
"*Cladonia cristata*" – [42]: 172; see [41]: 398
"*Cladonia deformis* f. *cornuta* Torsell" – [200]: 67
"*Cladonia furcata* f. *crispatella* Flörke" – [33]: 229
"*Cladonia gracilis* f. *floripara* Flörke" – [33]: 229
"*Cladonia pyxioides* f. *capreolata* Britzelm." – [34]: 241
"*Cladonia rufa*" – [53]: 244[R]; see [41]: 398
"*Collema fuscum*" – [53]: 252[R]; see [41]: 398
"*Haematomma ventosum* f. *abortivum* Gyeln." – [60]: 183; [105]: 155
"*Imbricaria caperata* f. *rupestris*" – [33]: 196
"*Lecanora cenisia* var. *nebulosa* Kremp." – [60]: 177; [104]: 212; [105]: 151
"*Lecanora cinerea* f. *papillata* (Arnold) Mig." – [60]: 174
"*Lecanora subfusca* var. *trachytica* A. Massal." – [105]: 149
"*Lecidea confervoides* var. *contigua*" – [104]: 210
"*Lecidea confluens* f. *minuta* (Schaer.) Zahlbr." – [60]: 140; [105]: 187
"*Lecidea fumosa* var. *nitida* f. *depauperata* (Flot.)" – [105]: 190
"*Lecidea fuscoatra* f. *mosigii* (Ach.) Nyl." – [60]: 141

"Lecidea geographica var. *alpicola* f. *conglomerata* (Fr.) Schaer." – [104]: 202, 211
"*Lecidea goniophila* var. a*trosanguinea* (Hoffm.) Körb." – [7]: 592; see [41]: 400
"*Lecidea granulosa* f. *aporetica* Ach." – [60]: 146; [80]: 143; [104]: 202
"Lecidea lithophila f. *minuta* (Kremp.) Arnold" – [60]: 142
"*Lecidea lithophila* f. *ochracea* (Nyl.) Arnold" – [60]: 142
"*Lecidea pruinosa* f. *leucitica*" – [104]: 209
"*Lecidea uliginosa* f. *confluens* Schaer." – [60]: 148; [105]: 217
"*Lecidella pruinosa* var. *cyanea* f. *minuta* Kremp." – [105]: 193
"*Lecidella pruinosa* ** *steriza* Kremp." – [105]: 192
"*Leptogium saturninum* f. *imbricatum* (Schaer.) Zahlbr." – [60]: 135
"*Lichen betulina* Ach.?" – [44]: 148^{R}; see [41; 402^{R}
"*Lichen delicatus* Ach.?" – [44]: 186; see [41]: 403
"*Lichen hippotrichodes*" – [44]: 190^{R}; see [41]: 404^{R}
"*Lichen lirellus*" – [44]: 148^{R}; see [41]: 405^{R}
"*Lichen poligonus*" – [44]: 152; see [41]: 406
"*Lichen radiciformis*" – [81]: 149; see [41]: 406
"*Lichen roseus* Schreb." – [44]: 144^{R}; see [41]: 406^{R}
"*Lichen scutatus*" – [81]: 137^{R}; see [41]: 407^{R}
"*Lichen tesselatus*" – [44]: 151^{R}; see [41]: 408^{R}
"*Parmelia atro-alba* var. *irrigua* Flot." – [104]: 199
"*Parmelia badia* var. *polytropa* var. *campestris* f. *acrustacea*" – [104]: 195
"*Parmelia dendritica* var. *pulvinata* Kremp." – [104]: 212
"*Parmelia encausta* var. *candefacta* Ach." – [60]: 184; [105]: 132
"*Parmelia olivacea* var. *microphylla* Kremp." – [105]: 136
"*Parmelia olivacea* var. *pulvinata* Kremp." – [105]: 136
"Parmelia physodes f. *elegans* Mereschk." – [3]: 137^{Bw}
"*Parmelia physodes* f. *isidiata*" – [97]: 269, 273
"*Parmelia physodes* f. *pinnata* Anders" – [60]: 185; [79]: 129
"*Parmelia saxatilis* var. *angustifolia* Nyl." – [60]: 188; [77]: 236; [78]: 214; [79]: 131
"*Parmelia sprengelii* var. *congregata* Kremp." – [105]: 136
"*Parmelia sprengelii* var. *dendritica* Pers." – [105]: 136
"*Parmelia sprengelii* var. *furfuracea*" – [105]: 136
"*Parmelia sulcata* var. *discreta* (H. Olivier) H. Olivier" – [60]: 188; [79]: 131
"*Parmeliopsis hyperopta* var. *angustifolia* Hillmann" – [60]: 184; [77]: 235; [78]: 34
"*Patellaria ferruginea* Hoffm." – [53]: 244^{R}; see [41]: 409^{R}
"*Pertusaria wulfenii* f. *plumbea* Harm." – [46]: 439; [60]: 172; [79]: 127
"*Ramalina pollinaria* f. *rupestris* (Schaer.) Anders" – [33]: 183; [60]: 192; [105]: 123
"*Rhizocarpon atroalbum* var. *vulgare* Fr." – [105]: Tab. I, 202
"*Rhizocarpon lindsayanum* var. *lavatum* Samp." – [60]: 156
"*Rhizocarpon petraeum* var. *majus* f. *fuscocinereum* (Kremp.) Kremp." – [105]: 203
"*Rhizocarpon polycarpum* f. *dendriticum* (Hoffm.) Zahlbr." – [60]: 156
"*Stereocaulon coralloides* var. *flabellatum* Rabenh." – [51]: 197; [79]: 126
"*Stereocaulon dactylophyllum* f. *expansum* (H. Magn.) Grummann" – [60]: 163
"*Stereocaulon dactylophyllum* f. *flabellatum* (Frey) Grummann" – [60]: 163
"*Stereocaulon tyroliense* var. *lapponum* Magn." – [157]: 168
"*Stereocaulon vesuvianum* var. *umbonatum* (Wallr.) I. M. Lamb" – [60]: 164; [77]: 232
"*Tremella purpurea*" – [81]: 13
"*Umbilicaria deusta* f. *brotera* (Ach.) Frey" – [97]: 257; [60]: 164
"*Verrucaria ocellata*" – [42]: 180; see [41]: 412
"*Zeora coarctata* var. *virens* Flot." – [105]: 165
"*Zeora rimosa* var. *sordida* f. *scutellaris* Schaer." – [105]: 165

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Souhrn

Práce přináší soupis lišejníků a lichenikolních hub německé části Šumavy a Českého lesa, doplněný literárními prameny. Studované území odpovídá regionu 37 vymezenému Grummannem (1963). Seznam obsahuje 867 druhů, které se v současnosti v území vyskytují. Dalších 44 druhů je z území udáváno, ale jejich výskyt je pochybný. 77 taxonů, většinou vnitrodruhové úrovně, udávaných v literatuře z 19. století nebylo možno přiřadit k žádnému v současnosti uznávanému jménu, a jsou proto uvedeny zvlášť. Přehlížený historický údaj o výskytu *Pyxine sorediata* (Ach.) Mont. je prvním a jediným z území Německa. Nárůst počtu druhů udávaných ze studovaného území nevykazuje žádné známky zpomalení v čase, což svědčí o tom, že jeho lichenoflóra je stále nedostatečně prozkoumána. Její biogeografické složení odráží klimatické podmínky studovaného území. Průkazně vyšší zastoupení druhů severského původu mezi terrikolními lišejníky svědčí o zvýšeném podílu glaciálních reliktů v této skupině. Při hodnocení těchto výsledků je nutno mít na paměti, že floristický soupis není možno považovat za úplný a znalost rozšíření lišejníků je obecně omezená.

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