

Corrections to The Lichens of Great Britain & Ireland

The following list is of typographic errors, minor changes and additions. For regularly updated corrections, observations and comments the reader is referred to the British Lichen Society website (Resources, Downloads), www.britishlichensociety.org.uk

General Corrections

Where not stated below all references to Laundon, J. Laundon, & J.R. Laundon, should be “J.R. Laundon” throughout. Lahm should be J. Lahm. B. de Lesd. should be de Lesd.

P. v Acknowledgements: paragraph 2, line 8, change “supplement” to “supplemented”

P. vi Contributors: “Mrs A.O. Coppins” should read “Mrs A.M. Coppins”

P. 6: line 20, change the web address of UK lichens to www.britishlichensociety.org.uk

P 13: paragraph 5, line 3, change “1.5” to “1.5g”

Glossary

P. 22: add **adnate**, fused or adherent (e.g. thallus to the substratum).

P. 22: biatorine : change “ lacking a true exciple when mature...” to “lacking a thalline exciple when mature...”.

P. 24: add **caespitose**, in groups or tufts.

P. 24: add **centrum**, centre part.

P. 24: add **crateriform**, bowl-shaped.

P. 29: Fig. 11. Add end bracket: “*Acrocordia conoidea* (in Congo Red);”

P. 30: add **efflorescent**, bursting out of.

P. 31: add **eu**, a prefix used to indicate: thoroughly, completely, truly; as in e.g. “Ascospores ..., eumuriform”— (*Rhizocarpon reductum*).

P. 34: add **pectinate**, like the teeth of a comb. (e.g. the thalline exciple of *Nephroma helveticum*).

P. 36: pseudopodetium, change description to the singular i.e.,” a solid, upright, stalk...”

P. 36: add **pulverulent**, powdery.

P. 38: add **refracted**, bent or curved back.

P. 38: add **scleroplectenchymatous**, a plectenchyma (thick tissue in which the hyphae are often twisted and fused together) composed of very thick-walled conglomerate cells.

P. 38: add **stipitate**, having a little stalk.

P. 38: add **sympodial**, branching where the main axis is composed of many lateral branches, each arising from the one before and not from the original apex.

P. 39: add **xeric**, a dry environment.

Generic Keys

P. 63 Generic key 6a: couplet 57a should read: (*Candelaria*- or *Lecanora*-types – Fig. 9e, n)

P. 67 Generic key 6c: couplet 3b, “epithecium K- ,rarely K+ green or purple”

P. 69 Generic key 6c: couplet 34(33) should read:

34a Ascospores with warted episporium, 3-7(-9)-septate; apothecia often with greenish epithecium and purplish brown hypothecium; asci thick-walled (cf. *Lecidea hypnorum*) ***Bilimbia***

34b Ascospores with smooth episporium [if episporium warted then ascospores 1-3 septate, and apothecia colourless or with brown pigments] 35

P. 87 couplet 48a: “(cf. also morphs of *C. citrina*)” should read “(cf. also morphs of *C. chlorina*)”

P. 105 Sterile Crustose Key 8c: couplet 14(8) b should read” Soralia KC- or yellowish.....19”

Species accounts

P. 126 couplet 9b: this should direct the user to couplet 10.

P. 126 couplet 15b: to agree with the main description this should read “Apothecia 0.3 – 0.5 mm diam., +/- elevated; disc plane roughened, on sandstone; very rare.”

- P. 143 Amandinea lecideina:** add colour of disc –“black”.
- P. 151 Aphanopsis coenosa:** penultimate line of description, change *Leptogium byssinum* to *Epiphloea byssina*.
- P. 161 Arthonia endlicheri:** under its distribution and frequency change “frequent” to “very local.”
- P. 165 Arthonia ligniariella:** ‘throughout British Isles’ – actually not in Ireland.
- P. 176:** Under literature, for “Coppins & James (1979b)” read “Coppins and James (1979a)”.
- P. 182:** Under literature, note that Brodo & Lutzoni (1995) is listed in the references under Lutzoni & Brodo (1995).
- P. 190 Bacidia key:** note that *Bacidia viridifarinoso* does not appear in the key.
- P. 194 Bacidia adastrata:** line 1 of the description, change “0.5 mm” to “0.5 m”
- P. 219 Bilimbia sabuletorum:** final paragraph line 3, change “*Biatoria tetramera*” to “*Mycobilimbia tetramera*”.
- P. 226 Bryoria fuscescens:** line 9 to read “Throughout the British Isles, especially N. & W., Europe.”
- P. 240 Byssoloma marginatum:** line 13 of the description, for *Fellhaneropsis myrticolla* read *F. myrtillicola*.
- P. 248 Couplet 35b:** change “Thalline margin absent” to “Thalline margin absent or inconspicuous”.
- P. 253 Caloplaca arcis:** Delete “Mediterranean authors appear to call it *C. limonea*.”
- P. 257 Caloplaca cerinelloides:** line 4 correct “*Buddleja*” to “*Buddleia*.”
- P. 263 Caloplaca flavovirescens:** delete comma after the brackets denoting diameter of apothecia, to read ... , smaller (up to 1.1mm diam.) darker apothecia,...
- P. 264 Caloplaca holocarpa:** final paragraph: line 2 delete “*C. holocarpa* auct. brit.” and replace with (moving from lines 4/5) “*C. lithophila* auct. brit., *C. polycarpa* auct. brit.”
- Hence, in line 4, “*C. holocarpa* (Ach.) A.E. Wade (1965)” should not be followed by any synonymy. Also in final paragraph, line 7, note the corrected printing “ascospore septum”
- P. 269 Caloplaca phlogina:** “Thallus and soredia K-, apothecia K- purple”. Change to “All parts K+ purple, but thallus K- in some morphs”.
- P. 278 Candelariella xanthostigma:** last line read “British Isles”.
- P. 295 Cetraria muricata:** line 2: for *Coelocaulon muricatum* (Ach.) Laundon (1984) read *Coelocaulon muricatum* (Ach.) J.R.Laundon (1984).
- P. 295 Cetrariella:** Change the author citation “Thell” to “A. Thell,” and similar changes in the *Literature*.
- P. 296 Cetrariella delisei:** Change the author citation “Thell” to “A. Thell”
- P. 299 Chaenotheca brachypoda:** add “µm” to the ascospore measurement.
- P. 313 squamosa** (not squamuosa)
- P. 316 Cladonia key, couplet 91a:** “usually Pd-, K+ yellow, occasionally red rangiformis” should read “usually Pd-, occasionally + red, K+ yellow.....rangiformis”.
- P. 323 Cladonia cervicornis:** final paragraph, line 5, for “*C. symphicarpia*” read “*C. symphyrcarpia*.”
- P. 341 Clauzadea monticola:** line 13: change “*Catillaria monticola*” to “*Catillaria modesta*.”
- P. 347 Collema key, couplet 27a:** add ‘s’ to “apice”.
- P. 355 Collema parvum:** change “plain” to “plane”.
- P. 356 Collema polycarpon:** change “caniculate” to “caniculate”.
- P. 357 Collema tenax** var. **vulgare:** change the author citation from “(Schreb.) Degel. (1954)” to “(Schaer.) Degel. (1954)”.
- P. 382 Diplotomma chlorophaeum:** complete brackets to author citation “(Hepp ex Leigh)”
- P. 384 Dirina massiliensis** f. **sorediata:** In the comparison with *Llimonaea sorediata* the soredia dimensions should be 25-35 µm not 0.25-0.35mm and the phrase “much larger sorediate granules” ignored. See van den Boom, P.P.G & Brand, A.M. (2007). *Llimonaea sorediata*, a new lichen (Ascomycota), widely distributed in western Europe. *Lichenologist* **39**: 309-314.
- P. 402 Flavocetraria:** change the author citation from “Thell” to “A. Thell”
- P. 403 Flavocetraria nivalis:** change the author citation from “Thell” to “A. Thell”

- P. 407 Fuscidea:** Change the name S.K. Skjoldahl as part author of the genus to L.H. Skjolddal.
- P. 409/410 Fuscidea gothobergensis, kochiana and mollis:** additional illustrations for these are in Fryday (2008).
- P. 410 Fuscidea lightfootii:** The distribution of this species within the British Isles should be updated to read “On ± horizontal boughs and twigs, commonest near boggy sites and overhanging streams and rivers but widespread on more exposed branches, also worked timber; locally abundant. N. & W. British Isles, spreading rapidly in the lowlands.”
- P. 412 Fuscopannaria mediterranea:** line 5 of the description: delete “unknown in British material” [there are 2 British collections with apothecia].
- P. 418 Gyalecta biformis:** delete Scandinavia as part of its distribution.
- P. 425 Haematomma ochroleucum var. ochroleucum:** the colour of this variety is not given – it is yellow-green.
- P. 425 Haematomma ochroleucum var. ochroleucum:** line 6 of the first para. read “Pd+ pale yellow.”
- P. 431 Couplet 2b:** for “*japonica*” read “*obscurata*”
- P. 431 H. japonica:** change name and author citation to **H. obscurata** (Nyl.) Trevis (1869). The synonymy should now read, “*H. japonica* (M.Sato) Swinscow & Krog (1976).
Under this new name **H. obscurata**: change the description in the final paragraph from “..., as *H. obscurata* differs in its...” to “..., but *H. obscurata* differs in its...”
- P. 436/437 Hypocenomyce anthracophila and scalaris:** additional illustrations in Brodo *et al.* (2001, pp. 344 and 345 respectively).
- P. 441 H. revoluta** should be in Roman script not *italics*.
- P. 455 line 3:** for *erysibe* f. *soralifera* read *erysibe* f. *sorediata*
- P. 455 couplet 9b:** change “Ascospores >3-septate” to ‘Ascospores ≥3-septate’.
- P. 457 L. chlorotiza:** last line: change “*Biatoria sphaeroides*” to “*Mycobilimbia pilularis*”.
- P. 458 Lecania cyrtella:** ignore last line of the description “*Micarea prasina* has simple paraphyses....” etc.
Line 12: change “*Biatoria sphaeroides*” to “*Mycobilimbia pilularis*”.
- P. 459 line 12:** for *Lecania erysibe* f. *soralifera* J.R.Laundon (1967) read *Lecania erysibe* f. *sorediata* J.R. Laundon (1967).
- P. 469 couplet 23b:** “caesiosor” change to “caesiosora”.
- P. 485 Lecanora expallens:** “UV+ orange (thiophanic and usnic acids, ± arthothelin and ‘expallens unknown’.” Insert end bracket.
- P. 495 Lecanora pulicaris:** line 3, the diameter of the apothecia should be 0.3-1(-1.5) mm.
- P. 496 Lecanora salina:** “Thallus c. 0.25 mm diam.” Should read “Thallus c. 0.25 cm diam.”
- P. 501 L. swartzii:** italicise “*L. subcarnea*”.
- P. 503 Lecidea** under *Literature*: change “Hertel (1969b, 1995, 2006, 2008)” to “Hertel (1969b, 1995, 2006, 2009)”.
- P. 515 Lecidea nylanderii:** In penultimate paragraph change “*Haematomma caesium*” to “*Mycoblastus caesius*”.
- P. 520 Lecidella:** couplet 2a of key “blastidia up to 0.1 mm wide”. Change to “blastidia up to...”
- P. 523 Lecidella scabra:** add to the description the diameter of the apothecia = 1mm.
- P. 524 Lecidella scabra:** “*L. scabra* is not generally corticolous while *L. carpatica*, also with thuringione, is entirely saxicolous”. Change “*carpatica*” to “*carpathica*”. *L. carpathica* sometimes occurs on lignum.
- P. 524 Lecidella subviridis:** change first sentence of last paragraph to read “*Lecanora expallens* (also K+ yellow) contains usnic acid and zeorin and lacks atranorin.”
- P. 525 Lecidoma demissum:** the septation of the ascospores is not stated. Add that they are simple.
- P. 535 Lepraria bergensis:** add “Germany” to the distribution data.
- P. 547 Leptogium hildenbrandii:** The width of the lobes should be “to 6 mm” not “to 0.6mm”.
- P. 550 Leptogium subtile:** change “*Pyrenopsis furfuracea*” to ‘*Pyrenopsis fufurea*’.

- P. 560 Llimonaea sorediata:** line 6, the soredia dimensions should be 25-35 μ not 0.25-0.35mm.
- P. 571 Melanelixia fuliginosa:** The citation for the synonym *Parmelia glabratala* subsp. *fuliginosa* should read "(Fr.ex Duby)".
- P. 591 Micarea curvata:** "Apothecia 0.2-0.5, convex..." insert "mm diam."
- P. 595 Micarea lignaria** (Ach.) Hedl. (1892) var. **lignaria:** line 9, add to "Ascospores.....," the phrase "3- to 7-septate" and remove this phrase from line 10 describing pycnidia type (a)
- P. 596 Micarea lignaria** var **endoleuca** (Leight.) Coppins (1983) is also known from Norway (Tønsberg 1992)
- P. 617 Mycoblastus caesius:** line 5, change "*F. viridis*" to '*Ropalospora viridis*' and put in correct alphabetical order in the list.
- P. 620 Mycomicrothelia atlantica, confusa and walrothii:** Illustrations of all three in Hawksworth (1985) in *Bull. Br. Mus. nat. Hist. (Bot.)* **14:** 71, 78 and 116 respectively.
- P. 641 line 16:** for **O. niveoatra** (Borrer) Laundon (1963) read **O. niveoatra** (Borrer) J.R. Laundon (1963).
- P. 646 Opegrapha vulgata:** line 6, change "...4- to 7(-8)-clavate" to... "4- to 7(-8) septate".
Line 13, change "*O. lithygra*" to "*O. lithygra*"
- P. 652 Parmelia:** "Ascospores ellipsoid, 8 per ascus". Add that they are simple.
- P. 665 couplet 13a:** describing *Peltigera didactyla* the couplet should read "Thallus rarely > 3cm broad".
- P. 677 line 9:** for "The var. **corallina** (Zahlbr.) Laundon (1963)" read "The var. **corallina** (Zahlbr.) J.R. Laundon (1963)".
- P. 704 Fig 44:** the scale bar is missing; on the diagram it should be a 28mm line.
- P. 706 Piccolia ochrophora:** "with some eastern occurrences" should be "with some eastern occurrences".
- P. 712 Placynthiella key:** couplet 1b, change "goniocysts <0.1 μ m diam." to "goniocysts <0.1 mm diam."
- P. 716 Placynthium garovaglioi:** delete "prothallus not visible" from the first line of the description.
- P. 725 Polyblastia quartzina:** The second paragraph should read "On the thallus of *Verrucaria aethiobola*, *V. cernaensis* and *Ionaspis lacustris*"
- P. 726 Polyblastia terrestris:** change the BLS code from "**1157**" to "**1161**".
- P. 737 Porina rosei:** The distribution should be updated to read "On usually base-rich bark of *Quercus*, *Fraxinus* or *Taxus*, occasionally overgrowing bryophytes on calcareous rock, in ancient woodland; widespread but rare. S.W. England, Wales, S.W. Highlands. Ireland. W. Europe, Madeira. "
- P. 738 Porocyphus coccodes:** the two synonyms should both be printed *Psorotichia* [as written, the "*P*" would imply *Porocyphus*].
- P. 742 Porpidia contraponenda:** line 3 of the description should read "Apothecia (0.3-) 0.5—1.0(-1.3) mm diam., coal black, immersed at first, becoming sessile, solitary to 2- to 5-confluent, rounded....etc."
- P. 751 Protomicarea limosa:** add that the ascospores are simple.
- P. 763 Psilolechia lucida:** line 12; change "*Coniocybe furfuracea*" to its current name "*Chaenotheca furfuracea*".
- P. 772 Pycnora sorophora:** in the comparison with *P. leucococca*, "which has larger, prominent areolae, and discrete..." remove the commas.
- P. 773 Pyrenocarpon thelostomum:** add to the synonymy *Thrombium thelostomum* (Ach. ex J. Harriman) A.L. Sm. (1911)
- P. 777 Pyrenula coryli:** change the first line of the description from "probably lichenized" to read "probably not lichenized".
- P. 816 Rinodina key:** couplet 32b, change "Thallus dark grey to greenish, K- " to "Thallus dark grey to greenish, K \pm yellow".
- P. 827 Ropalospora:** change the name of L.H. Skjoldahl a part author to S.K. Skyolddal.
- P. 841 line 3:** change "*Biatoria sphaeroides*" to "*Mycobilimbia pilularis*".
- P. 842 Solenopsora:** ascospores are given as "0- 1-septate". Replace with '0- to 1-septate'.
- P. 844 Solenopsora vulturiensis:** line 3: change Pd- to Pd+ orange.
- P. 862 Stereocaulon leucophaeopsis:** "Distinguished from *S. tornensis*..." Replace with '*S. tornense*'.

- P. 866 *Sticta canariensis*:** The free-living green algal morphotype also occurs in one Welsh site.
- P. 907 *Trapelia corticola*:** change “UV- white” to “UV+ white”.
- P. 921-P. 929. *Usnea*,** general comment: all chemical tests are for the medulla not for the “thallus” as is sometimes stated, unless the soralia are also specifically mentioned.
- P. 922 *Usnea chaetophora*:** lines 2&3: for increased clarity these lines should read ...”forming +/- cylindrical segments which may be slightly swollen but also narrowed between adjacent segments.
- P. 924 *Usnea flavocardia*:** the thallus is +/- erect.
- P. 927 *Usnea glabrescens*:** lines 3 & 4 change “.., blackened at the base, main branches with evenly spaced, densely papillate, thinner....etc” to “.., blackened at the base. Main branches with dense, evenly spaced papillae; thinner branches...etc”
- Lines 7 & 8, to chemotype (b) add “Pd+ yellow to orange”.
- P. 927 *Usnea hirta*:** line 1, change “.., main branches to 1 mm long” to... “1 cm long”.
- P. 928 *Usnea rubicunda*:** add to thallus description “not blackened at base”.
- P. 929 *Usnea wasmuthii*:** line 3; change “Apothecia unknown” to “Apothecia rare” and later in the same sentence change “P-” to “Pd -”.
- Line 7: delete “also, fertile specimens of the complex are invariably *U. subfloridana*”.
- Lines 11&12: change “: in *U. wasmuthii* the soralia Pd+ yellowish after one minute” to “: in *U. wasmuthii* the soralia turn Pd+ yellowish after one minute”.
- P. 930 *Vahliella atlantica*:** add Jørgensen (2005c) to *Literature*.
- P. 932** under *Literature*: change “Breuss (2007a, b, 2008)” to “Breuss (2007a, b, 2009)”
- P. 941 *Verrucaria aethiobola*:** add synonym: *V. latebrosa auct. brit.* under the name.
- P. 945 *Verrucaria csernaensis*:** change spelling to **V. cernaensis** and change alphabetical order. Add synonym: *V. aethiobola auct. brit. p. p.*
- P. 949 *Verrucaria fusconigrescens*:** line 16, change “....brown thallus on a black prothallus, ...” to “.... brown thallus on a dark brown to nearly black prothallus,....”
- P. 950 *Verrucaria latericola*:** line 8 of the notes paragraph: change the full stop after “*flavescens*” to a comma.
- P. 968 Couplet 8b:** this reads better as “Lobes yellow-orange, lacking isidia; when fertile, apothecia outer margin smooth.....9”
- P. 971 *Xanthoria ucrainica*:** the length measurement of the conidia in the first brackets (0.9) should be (1.9) as in Kondratyuk (1997).
- P. 973 *Xylographa key, couplet 2a*:** for “*paralella*” read “*parallela*”. Re- name first entry from “X. *paralella*” to X. “*parallela*.”

References:

- P. 977** add: **Arup, U.** (2009). The *Caloplaca holocarpa* group in the Nordic countries, except Iceland. *Lichenologist* **42**: 111-130.
- P. 978 Brand, M. et al** (2009): change page numbers from “83-93” to “81-91”.
- P. 978 Breuss, O.** (2008): change to “**Breuss, O.** (2009) and, in the same entry, change the page numbers from “94-114” to “95-112”.
- P. 993 Hertel, H.** (2008): change to “**Hertel, H.** (2009)” and, in the same entry change “187-207” to “185-204”.
- P. 999 “Knudsen, K & Lumbsch, H. T.** (2007)” change to “**Knudsen, K. & Lumbsch, H. T.** (2007)”. Change “pp. 310-302” to “pp. 301-302”.
- P. 1016** add: **Vězda, A.** (1972). Flechtensystematische Studien VII. *Gyalideopsis*, eine neue Flechtengattung. *Folia Geobotanica et Phytotaxonomica* **7**: 203-215.

Index:

- P. 1019** delete page 725 from the list of references for *aethiobola* (*Verrucaria*).
- P. 1021** *Biatoria* **18, 213, 218, 429, 614, 698**; add page **975**.

- P. 1023** add *cernaensis* (Verrucaria) 446, 725, 941, 942, **945**.
- P. 1024** *cinerea* (Rhizocarpon) *reductum* f. (var. on p.803).
- P. 1025** delete *csernaensis* (Verrucaria) incorrect spelling of *cernaensis* (Verrucaria).
- P. 1026** delete “*delisei* (Melanelia) 570”.
- P. 1026** *delisei* (Xanthoparmelia) **964**, 966; add page 570.
- P. 1030** “*Halecania* 18, 283, 426, 454” change to “*Halecania* 18, 283, **426**, 454”.
- P. 1031** *hydrela* (Verrucaria) p.946 (not 945).
- P. 1032** *japonica* (Heterodermia) should be in italic type (as a synonym of *Heterodermia obscurata*)
- P. 1032** “*latebrosa* (Verrucaria) 725, 941, **950, 951**” should read “*latebrosa* (Verrucaria) 941” as a synonym of *V. aethiobola*.
- P. 1035** *modesta* (Catillaria) add page 341 to references.
- P. 1037** below *perlata* (Parmelia) 662 add *perlatum* (Parmotrema) 662 .
- P. 1038** *pilularis* (Mycobilimbia): change page numbers to read 216, 457, 458, **614**, 841.
- P. 1038** “*polycarpon* (Rhizocarpon)” should read “*polycarpum* (Rhizocarpon)”.
- P. 1039** insert “*pulvinatum* (Leptogium) **546**” after “*pulvinata* (Toninia) 902”.
- P. 1040** insert *Pyrenocollema* = *Collemopsidium* **357**.
- P. 1040** “*ralfsii* (Halelicania) ...” should read “*ralfsii* (Halecania)...”.
- P. 1042** second column line 3: delete *soralifera* (Lecania) *erysibe* f. 459 and replace with *sorediata* (Lecania) *erysibe* f. 459 after line 12 in Roman because the name is accepted in the key.
- P. 1042** delete line “*sphaeroides* (Biatoria) 457, 458, 841”.
- P. 1044** for *symphycarpia* **read** *symphycarpia*.
- P. 1044** remove “*tetramera* (Biatoria) 219” in Roman type. Line beneath should read “*tetramera* (Biatoria) 219, 615”.
- P. 1044** *Thelocarpon* 19, 308, 622, **884**, 960; add page **975**.