

New vice-county records

Hepaticae

Unless otherwise stated, all records are from 2008.

- 1.2. *Anthoceros agrestis*. **28**: damp sandy loam, shaded field by side of wood, ca 7 m alt., by edge of Mintlyn Wood Bansey C.P., King's Lynn, TF6579819375, 2008, Stevenson.
- 5.1.b. *Marchantia polymorpha* subsp. *ruderalis*. **72**: on gravel drive around house, ca 160 m alt., Grange of Tundergarth, Bankhill, Lockerbie, NY23448291, 2008, Kungu. **H2**: previously published recent record inadvertently overlooked in Hill *et al.* (2008).
- 5.1.c. *Marchantia polymorpha* subsp. *montivagans*. **69 and 79**: previously published recent records inadvertently overlooked in Hill *et al.* (2008).
- 7.1. *Reboulia hemisphaerica*. **112**: on shallow soil on E-facing limestone rock outcrop in pasture, 20 m alt., W side of B9074 road, SW of Loch of Asta, Mainland, HU410408, 2008, Preston.
- 10.2. *Riccia crystallina*. **2**: sandy soil between open turf, eastern car park, Porth Cuney Cove, Caerhays, SW9741, 2008, Paton 8100.
- 10.10. *Riccia subbifurca*. **83**: amongst vegetation, on dried out mud on reservoir margin, SE end of Harlaw Reservoir, NT17726445, 2003, Chamberlain.
- 12.1. *Targionia hypophylla*. **4**: on steep, S-facing calcareous rock, ca 10 m alt., by Torridge estuary, SS461289, 2008, Hodgson. **107**: on soil on ledges below basic S-facing crag, 60 m alt., Marian's Rock, E of Rogart, NC74690125, 2008, Rothero & Flagmeier.
- 16.4. *Fossombronia pusilla*. **33**: stubble field, near Cirencester, SO991084, 2008, Lansdown.
- 16.8. *Fossombronia incurva*. **28**: sides of shallow pool in old sand pit, ca 35 m alt., Wolferton, TF665278, 2008, Ghullam.
- 17.1. *Moerckia hibernica*. **88**: base-rich flush, 762 m alt., NW corrie, Ben Oss, NN22, 1981, Paton 6386 (Crandall-Stotler & Stotler, 2007). **(90)**: Cat Law, Kinnordy, NO36, 1815, Lyell (BM) (Crandall-Stotler & Stotler, 2007). **92**: on wet peaty soil in area of seepage and flushes, above Morrone Birkwood, 1–2 km SW of Braemar, NO1389, 1996, Blockeel 25/129, conf. Long. **96**: moist slope below upper crags, ca 800 m alt., Loch Morrie corrie, Sgurr na Lapaich, Glen Strathfarrer, NH1435, 1988, Paton 7062, conf. AJ Kinser. **96**: amongst mosses at flushed margin of snow-melt stream, N-facing rocky slope below cliffs, 795 m alt., Coire Gnada, Sgurr na Lapaich, NH14133529, 2007, Long 36736, conf. B Crandall-Stotler. **112**: peaty margin, Loch Lumbister, Yell, HU49, 1974, Paton 3504 & Hill (Crandall-Stotler & Stotler, 2007). **(H20)**: Lough Bray, O11, 1814, Taylor (BM) (Crandall-Stotler & Stotler, 2007).
- 18.1. *Pallavicinia lyellii*. **44**: creeping over wet *Molinia* litter in peat cutting, 145 m alt., Brynmeilion Bog, Llanpumsaint, SN42802769, 2008, Bosanquet.
- 20.2. *Metzgeria consanguinea*. **63**: on birch and sycamore in mixed woodland, 245 m alt., N side of Limb Valley, Whirlow Brook, Sheffield, SK304833, 2008, Blockeel 37/018. **77**: sycamore trunk, in damp woodland, Whitemoss Wood, near Carstairs, NS945452, 2008, Chamberlain.
- 20.4. *Metzgeria conjugata*. **40**: Ippikin's Rock, Wenlock Edge, SO571965, 2003, Lawley.
- 22.4. *Riccardia palmata*. **33**: with *Nowellia curvifolia*, rotten *Fagus sylvatica* log, 210 m alt., Lineover Wood, near Cheltenham, SO985186, 2008, Lansdown. **57**: on rotten log at foot of N-facing slope in ash-sycamore woodland on limestone, 120 m alt., Slinger Wood, Cromford, SK287571, 2008, Blockeel 37/357.
- 22.5. *Riccardia latifrons*. **69**: more or less raw peat by flight pond, ca 5 m alt., Foulshaw Moss CWT reserve, SD457837, 2008, Nelson.
- 24.1. *Radula complanata*. **61**: on an ash tree, by the River Derwent, Kirkam Hall Park, SW of Malton, SE7366, 2008, Wall.
- 25.4. *Frullania fragilifolia*. **H28**: on sides of massive roadside boulders, ca 100 m alt., Sessuegilroy, Masshill, G440162, 2008, Hodgetts 7473.
- 25.5. *Frullania dilatata*. **61**: on an ash tree, by the

- River Derwent, Kirkam Hall Park, SW of Malton, SE7366, 2008, Wall.
- 28.3. *Cololejeunea minutissima*. **17**: growing on the trunk of an ash by a gill stream, ca 45 m alt., Tugley Wood, Chiddingfold, SU978339, 2008, Wallis. **18**: on trunk of young oak by stream, 40 m alt., Curtismill Green, Navestock, TQ514967, 2008, Pyner. **19**: frequent patches on bole of young ash by pond, 80 m alt., Upshire, TL420010, 2008, Pyner. **27**: in sallow carr, at base of sallow, ca 1 m alt., Sutton Fen (RSPB), TG37442342, 2008, Mason. **28**: in crevices in bark of *Salix* sp., ca 30 m alt., Bawsey Country Park, TF67851942, 2008, Stevenson. **58**: on tree trunk in suburban park, 60 m alt., Brantwood Park, Cheadle, SJ859871, 2008, Lowell. **61**: on bark of ash tree, 15 m alt., by R. Derwent, SE737665, 2008, Blockeel 37/361. **63**: on stem of young sycamore in mixed woodland, 250 m alt., N side of Limb Valley, Whirlow Brook, Sheffield, SK304833, 2008, Blockeel 37/019.
- 29.1. *Colura calyptrifolia*. **59**: Greenhurst Clough, Ashton, SD96040150, 2007, Lowell.
- 31.1. *Harpalejeunea molleri*. **H34**: boulder on steep E-facing slopes above lake in corrie, ca 350 m alt., Croloughan, G9892, 2008, Hodgetts 7500.
- 32.1. *Lejeunea cavifolia*. **51**: on ash tree by stream in forestry plantation, Nant y Ffrith, SJ266542, 2008, Kungu & Hill.
- 34.1. *Microlejeunea ulicina*. **51**: rare on sycamore trunk, 250 m alt., Nant y Ffrith, SJ26575422, 2008, Bosanquet.
- 40.2. *Bazzania tricrenata*. **H12**: among rocks in steep heathland near top of NE-facing corrie, ca 750 m alt., Mount Leinster, S8252, 2008, Hodgetts 7328.
- 40.3. *Bazzania pearsonii*. **94**: under *Calluna*, NW-facing bouldery slope, ca 805 m alt., below Creag Dhuhb cliffs, Loch Avon, NJ02370277, 2008, Long & Rothero 37001. **112**: amongst boulders on N-facing heathy slope, ca 250 m alt., Black Butten, Ronas Hill, HU30428419, 2008, Hodgetts 7437.
- 44.4. *Lophocolea semiteres*. **99**: on hard-packed humus below *Rhododendron*, 25 m alt., Geilston, NTS garden, Cardross, NS339782, 2008, Rothero.
- 45.2. *Chiloscyphus pallescens*. **33**: large population on clay banks above stream, 100 m alt., Timbercombe, near Cheltenham, SO970193, 2008, Lansdown.
- 48.4. *Plagiochila britannica*. **111**: NE-facing grassy, heathy maritime cliff, 20 m alt., N Flans shore, S Ronaldsay, ND46508611, 2008, Crossley.
- 48.7. *Plagiochila spinulosa*. **H11**: on sheltered rock face on N-facing wooded bank, 10 m alt., banks of R. Nore, Inistioge, S6337, 2007, Blockeel 36/530.
- 48.8. *Plagiochila bifaria*. **41**: 2 patches in steep NW-facing limestone turf, 45 m alt., Mewslade, Gower, SS4223287295, 2008, Bosanquet. **H34**: shaded rock crevice in S-facing cliff, ca 200 m alt., Altgarranduff, G973880, 2008, Hodgetts 7506.
- 49.2. *Adelanthus lindenbergianus*. **H1**: montane heath, below *Calluna* among boulders, with *Herbertus aduncus* subsp. *hutchinsiae*, *Pleurozia purpurea*, *Racomitrium lanuginosum* and *Scapania gracilis*, ca 680 m alt., An Loch Dubh, Brandon Mt., Q46311276, 2008, Hodgetts 7362.
- 52.4.a. *Cephalozia macrostachya* var. *macrostachya*. **112**: from hummock of *Sphagnum capillifolium*, Lambhoga mire, Fetlar, HU58, 2008, Payne.
- 52.6. *Cephalozia lunulifolia*. **33**: rotten oak stump in deciduous woodland, 175 m alt., Ward's Wood, Bubb's Hill, SO963138, 2008, Lansdown.
- 53.1. *Cladopodiella fluitans*. **109**: growing through sphagnum forming carpet over small pool, blanket bog, Strathmore, ND106447, 2008, Payne. **H28**: growing amongst *Campylopus flexuosus* on wet ground near bog pool complex, blanket bog, ca 125 m alt., Gowlan River, Ox Mountain Bogs, G39482444, 2008, Hodgetts 7471.
- 53.2. *Cladopodiella francisci*. **45**: on clayey grey peat of overhang in heathland, 200 m alt., Afon Clun Maen, Preseli, SN14363377, 2008, Bosanquet.
- 60.3. *Barbilophozia floerkei*. **13**: on *Leucobryum junperoides* hummock on stool base, Northpark Copse, Fernhurst, SU8770526108, 2008, Sanderson. **H12**: among rocks on steep slope at top of NE-facing corrie, ca 720 m alt., Mount Leinster, S8352, 2008, Hodgetts 7324.
- 60.7. *Barbilophozia lycopodioides*. **112**: hepatic-rich turf on cliff top, ca 50 m alt., Funzie, Fetlar, HU66108946, 2008, Hodgetts 7432.
- 64.1. *Anastrophyllum minutum*. **109**: growing amongst *Splachnum sphaericum* and *Odontoschisma sphagni*, on bare peat, blanket bog, Strathmore, ND128454, 2008, Payne. **112**: N-facing 80 degree bank with mat of liverworts under heather, N slopes of Collafirth Hill, N Mainland, HU33758414, 2008, Payne.

- 65.1. *Tritomaria exsectiformis*. **26**: sloping side of sand pit, Knettishall Heath, TL952802, 2008, Fisk.
- 65.2. *Tritomaria exsecta*. **96**: on horizontal mossy *Salix* branch by stream, steep-sided wooded valley slope, ca 190 m alt., above Tomich, Coille an Lethuillt, NH26362373, 2008, Long & Flagmeier 37809.
- 66.2. *Lophozia ventricosa*. **26**: sloping side of sand pit, Knettishall Heath, TL952802, 2008, Fisk.
- 66.5. *Lophozia sudetica*. **H28**: on boulder on N-facing slope above lake, ca 200 m alt., Lough Talt, Ox Mountains, G3815, 2008, Hodgetts 7468.
- 66.6. *Lophozia excisa*. **112**: soil bank, Swining ravine, HU457666, 2008, Lawley.
- 67.3. *Diplophyllum obtusifolium*. **28**: shady sandy bank, ca 15 m alt., Sandringham C.P. area W of Car's Bottom, TF666276, 2008, Stevenson. **94**: track, Forglen Estate, near Turriff, NJ7046450717, 2008, Chamberlain & Pool.
- 69.2. *Scapania gymnostomophila*. **H1**: rock crevices in NE-facing base-rich cliff on small spur, ca 700 m alt., An Loch Dubh, Brandon Mt., Q46411267, 2008, Hodgetts 7361.
- 69.5. *Scapania scandica*. **H35**: earthy bank of track by old farmhouse, ca 240 m alt., below Grey Mare's Tail, Binnasruell, Blue Stack Mts, G920891, 2008, Hodgetts 7491.
- 69.23. *Scapania nimbosa*. **92**: amongst *Calluna*, NE-facing slope with boulders, ca 870 m alt., Coire an Lochain Uaine, Derry Cairngorm, NO02239821, 2008, Long & Flagmeier 37028.
- 74.2. *Calypogeia muelleriana*. **H19**: edge of degraded bog, near Prosperous, N80602760, 2008, Hodgetts 7511.
- 75.8. *Leiocolea turbinata*. **53**: on path through woods surfaced with limestone fragments, Stapleford Woods, N Kesteven, SK86425674, 2008, Stevenson. **112**: on rock ledge by side of burn, 36 m alt., Burn of Okraquoy, HU43923127, 2008, Flagmeier.
- 79.3. *Nardia geoscyphus*. **H1**: soil in bank of wall by track in village, with *Fossombronia angulosa*, ca 50 m alt., Tra Ban, Great Blasket Island, V2797, 2008, Hodgetts 7404.
- 80.1. *Solenostoma sphaerocarpum*. **106**: in flush, E-facing rocky slope, ca 830 m alt., Coire Gorm, Am Faochagach, NH30407877, 2008, Long 38044.
- 82.2. *Harpanthus scutatus*. **112**: wet, peaty soil by rivulet, near Loch of Huxter, HU556619, 2008, Lawley.
- 85.1. *Gymnomitrium concinnatum*. **45**: humus on rocks among heather on steep slope, 85 m alt., Cell Howell, SN083434, 2008, Bosanquet.
- 86.1.c. *Marsupella emarginata* var. *pearsonii*. **112**: in montane flush, Ronas Hill, HU31598425, 2008, Flagmeier.

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Musci

Unless otherwise stated, all records are from 2008.

- 1.10. *Sphagnum russowii*. **43**: in M6 mire on west side, 185 m alt., Abercamlo Bog, SO073649, Bosanquet SDS.
- 1.4.a. *Sphagnum palustre* var. *palustre*. **H19**: below heather in severely disturbed and degraded bog, Allanwood Bog, N77552641, Hodgetts NG 7508.
- 1.10. *Sphagnum russowii*. **54**: hummock in wet heath near pond, 35 m alt., Linwood Warren, TF133875, 2007, Hodgetts NG 7012.
- 1.11. *Sphagnum quinquefarium*. **58**: near top of steep wooded slope above river, 340 m alt., Goyt Valley,

- SK011736, Hanson P; **112**: on heathy NE-facing slope, Collarfirth Hill, Mainland, HU33878383, Payne AG; **H12**: Among rocks in steep heathland in NE-facing corrie, 720 m alt., Mount Leinster, S8352, Hodgetts NG.
- 1.13.a. *Sphagnum capillifolium* subsp. *capillifolium*. **35**: dense mound in M17a bog, 225 m alt., Cleddon Bog north end, SO50950410, Bosanquet SDS & Motley GS; **40**: in hillside flush, 450 m alt., Duckley Nap, Longmynd, SO4396, Hodgetts NG 7461; **44**: occasional on degraded raised bog, 284 m alt., Pwllau Cochion, SN49902674, Bosanquet SDS.
- 1.14. *Sphagnum fuscum*. **H34**: large hummock in blanket bog, 150 m alt., Croaghonagh Bog, H053885, Hodgetts NG 7504.
- 1.15.b. *Sphagnum subnitens* var. *ferrugineum*. **H28**: on wet ground near bog pool complex on blanket bog, 125 m alt., Ox Mountains bogs, Gowlan River, G39482444, Hodgetts NG 7469.
- 1.18. *Sphagnum strictum*. **H28**: in wet heathy grassland on W-facing slope below crags, 260 m alt., Cloonacool, crags near road, G44902041, Hodgetts NG 7462.
- 1.19. *Sphagnum compactum*. **59**: in wet acid grassland on playing fields, Pleckgate High School, Blackburn, SD676304, 2007, Crook CS, det. Hodgetts; **H13**: Damp heathland on north-facing slope, 400 m alt., Blackstairs Mountain, N side, S8146, Hodgetts NG.
- 1.31. *Sphagnum flexuosum*. **59**: on steep wet bank of stream, Gorpely Clough, SD92B, 2003, Lowell J; **74**: edge of *Sphagnum* lawn under *Alnus* in soakway through Sitka plantation, 85 m alt., NE of Doon of May fort, S of Mochrum Loch, NX296518, 2007, Kungu EM S466, conf. Hill; **101**: on moist ground under scrub, beach at Saddell, NR797318, Chamberlain DF.
- 1.32. *Sphagnum angustifolium*. **66**: in M19 blanket bog, Bunhope Moor, NY813373, O'Reilly J, conf. Hill.
- 2.2.a. *Andreaea rupestris* var. *rupestris*. **112**: on boulder, Ronas Hill, Mainland, HU331836, Lawley M.
- 2.6.b. *Andreaea rothii* subsp. *falcata*. **H12**: Rock outcrop near top of NE-facing corrie, 750 m alt., Mount Leinster, S8252, Hodgetts NG; **H13**: Boulders near summit, 780 m alt., Mount Leinster, S8252, Hodgetts NG.
- 4.2. *Atrichum tenellum*. **45**: on gravelly stream side, 185 m alt., W side of Waun Isaf, SN14153018, 2005, Bosanquet SDS, conf. Hill; **87**: on sandy soil by reservoir, 160 m alt., E side of Glen Finglas reservoir, Trossachs, NN522103, Blockeel TL 37/331; **103**: damp trampled track by gate in deerfence, 25 m alt., N of Port Donain, Mull, NM74082974, 2007, Bosanquet SDS, conf. Hill.
- 5.1. *Oligotrichum hercynicum*. **H28**: on bare soil amongst rocks at head of glen, 350 m alt., Ox Mountains, Owenduff River, G486265, Hodgetts NG 7472.
- 6.1. *Pogonatum nanum*. **H27**: in low bryophyte carpet on unshaded stony soil in slaty scree on N-facing slope, 560 m alt., by Lough Brawn (Sheeffry Hills), L8712070091, Holyoak DT 08-229.
- 8.1.b. *Polytrichum commune* var. *perigoniale*. **44**: locally abundant on edges of forestry track, 250 m alt., Brechfa Forest, above Cwm Marydd, SN504319, Bosanquet SDS; **H28**: on trackside bank, 150 m alt., Ox Mountains, Lough Talt, G38871543, Hodgetts NG 7466.
- 8.4. *Polytrichum strictum*. **H13**: Among *Sphagnum* in open damp heathland, 500 m alt., Blackstairs Mountain, N side, S8046, Hodgetts NG.
- 12.1. *Diphyscium foliosum*. **H12**: Rock crevice on summit ridge, 700 m alt., Mount Leinster, S8352, Hodgetts NG.
- 14.4. *Encalypta vulgaris*. **107**: on soil on ledges at base of S-facing basic crag, 60 m alt., Marian's Rock, E of Rogart, NC74690125, Rothero GP & Flagmeier M 18012.
- 16.1. *Entosthodon mublenbergii*. **88**: on limestone rock ledge, Tullach Hill SSSI, Blair Atholl, NN897634, 1991, Chamberlain DF.
- 21.1. *Schistidium maritimum*. **96**: on upper part of sea wall, 0 m alt., Merkinch between Clachnaharry and South Kessock, NH652469, Raistrick K; **H20**: Rock outcrop behind beach, 2 m alt., Brittas Bay, T273774, Hodgetts NG.
- 21.3. *Schistidium platyphyllum*. **75**: on rocks in river, 40 m alt., River Stinchar at Ballantrae, NX08918237, Hicks D, conf. Bosanquet; **77**: on boulder at loch edge, 80 m alt., Lochend Loch by a bridge, Drumpellier Country Park, NS707663, Chamberlain DF E00255831; **94**: on rock in river, Shiel Burn, NJ53795177, Dobson D, conf. Bosanquet; **95**: on rock in river, true left bank of River Spey, NJ18403884, Dobson D,

- conf. Bosanquet; **98**: on rock in river, River Add, NR88759545, Dobson D, conf. Bosanquet.
- 21.4. *Schistidium agassizii*. **94**: on rock in river, true right (S) bank of River Spey at Carron, NJ22274101, Dobson D, conf. Bosanquet; **95**: on rock in river, River Spey at Grantown-on-Spey, NJ04792668, Dobson D, conf. Bosanquet; **97**: on rock in river, River Lochy near Victoria Bridge, NN12767616, Dobson D, conf. Bosanquet.
- 21.5. *Schistidium apocarpum*. **67**: on stones in calaminarian grassland, Lambley, E bank of River South Tyne, NY674587, O'Reilly J & C, conf. Bosanquet; **77**: on rock face, quarry SE of Coulter, NT02803329, Chamberlain DF; **83**: on boulder in rock garden, Royal Botanic Garden, Edinburgh, NT246751, Chamberlain DF, conf. Bosanquet; **84**: on rock face in open-cast workings, Drum Park, NS8969, Chamberlain DF, conf. Bosanquet; **85**: on stone side of artificial channel, Kilminning Coastal Wildlife reserve, NO633089, Chamberlain DF E; **86**: on rockery in garden, Bridge of Allan, NS79409718, Chamberlain DF, conf. Bosanquet; **112**: tarmac road edge, 35 m alt., Catpund Quarry, Mainland, HU4227, Bosanquet SDS (BBS meeting).
- 21.8. *Schistidium pruinosum*. **43**: on cliff, Rock Dingle, Bleddfa, SO202672, Lawley M, conf. Bosanquet; **85**: on volcanic rock exposure, Cambie Law, NO523068, Chamberlain DF; **112**: 4 dense cushions on one soapstone rock, 60 m alt., Catpund Quarry, Mainland, HU4252127210, Bosanquet SDS (BBS meeting).
- 21.9. *Schistidium strictum*. **50**: rare on slightly flushed igneous rocks on NW-facing crag, 250 m alt., Craig Orllwyn, SJ1625, Bosanquet SDS & Motley GS; **112**: on rock, Swining ravine, Mainland, HU456666, Lawley M.
- 21.11. *Schistidium robustum*. **67**: on calcareous boulder in old quarry, 307 m alt., Hindleysteel, NY749729, 2007, McCutcheon DE.
- 21.14.a. *Schistidium frigidum* var. *frigidum*. **78**: Talla Linns, NT12, 1966, Stirling AMcG E; **112**: occasional on soapstone rocks with *Porella obtusata*, 85 m alt., Catpund Quarry, Mainland, HU42422714, Bosanquet SDS (BBS meeting).
- 21.16. *Schistidium crassipilum*. **3**: on concrete rendering of wall of old building, 90 m alt., Lower Brimley, Bovey Tracey, SX800771, Pool M; **59**: on tiles on house roof, 60 m alt., 51 Bishopdale Drive, Rainhill, Prescott, SJ499910, Callaghan DA 610; **60**: on limestone rock in woodland, 60 m alt., Eaves Wood, SD463762, Callaghan DA 640; **72**: on tiles on house roof, Dala, Hightae, NY09587869, 2005, Kungu EM, conf. Bosanquet; **84**: on wall by alleyway, Linlithgow Castle, NT005774, Chamberlain DF; **112**: on concrete wall by cattle grid, 15 m alt., Green Burn, Fetlar, HU58349242, Bosanquet SDS & Genney D (BBS meeting).
- 21.17. *Schistidium elegantulum*. **18**: on concrete-rendered brick gravestone, 5 m alt., North Shoebury churchyard, TQ929861, Pyner T, conf. Bosanquet; **41**: 2 tufts on limestone rocks below large buttress, 45 m alt., Pwll-du Head east side, SS5729186909, Bosanquet SDS; **51**: on limestone rock in scree, Nant Alun near Cilcain, SJ188652, Hill MO; **97**: on limestone, Glenelg, NG8119, 1968, Stirling AMcG E.
- 22.4. *Grimmia tergestina*. **112**: one 4x2 cm patch on concrete wall by cattle grid, 15 m alt., Green Burn, Fetlar, HU58349242, Bosanquet SDS & Genney D (BBS meeting).
- 22.5. *Grimmia montana*. **45**: 1 cushion in crack in mudstone block, 70 m alt., Trevayne Coastguards, SN142028, Bosanquet SDS, conf. Porley.
- 22.8. *Grimmia donniana*. **H1**: On narrow blade of rock among outcrops in coastal cliff-top grassland, with *Schistidium strictum*, 430 m alt., Brandon Mountain, east of Beennaman, Q44991382, Hodgetts NG.
- 22.9. *Grimmia arenaria*. **69**: on rock in scree above quarry spoil heaps, 383 m alt., Glenridding screes, NY367177, Cameron E, conf. Bosanquet.
- 22.11. *Grimmia longirostris*. **112**: on rock, West Burraforth, HU258571, Lawley M.
- 22.18. *Grimmia torquata*. **43**: on cliff, Cerrig Gwalch, SN935709, Lawley M.
- 22.19. *Grimmia funalis*. **H35**: on dry vertical rock face on SE-facing cliff, 400 m alt., Blue Stack Mountains, Eglisli, G93998810, Hodgetts NG 7479, det. Porley.
- 22.21. *Grimmia lisae*. **74**: on boulder near well, 125 m alt., SE of Doon of May Fort in woods S of Mochdrum Loch, NX295515, 2007, Kungu EM S468; **80**: on boulder on grassy slope under ash, 90 m alt., W slope of Castle Law, Ancrum, NT6228.2486, Long DG & Kungu E 37592.
- 22.22. *Grimmia dissimulata*. **112**: on stone wall,

- 130 m alt., between Vord Hill and Stackaberg, Fetlar, HU6293, Lonnell N, det. Hill.
- 22.23. *Grimmia muehlenbeckii*. **H1**: Boulders by corrie loch, 370 m alt., Coumanare Lakes. Loch Meain, Q52230556, Hodgetts NG, conf. Porley.
- 23.1. *Racomitrium ellipticum*. **87**: on moist NE-facing crag, 410 m alt., Ben A'an between Loch Katrine and Loch Achray, NN503081, Blockeel TL 37/339.
- 23.2. *Racomitrium aciculare*. **21**: on rocks around water feature, Regent's Park nature study area, TQ276827, O'Reilly J.
- 23.3. *Racomitrium aquaticum*. **83**: on irrigated vertical rocks, 250 m alt., Habbies Howe, NT1861, 1954, Henderson DM 1252.
- 23.4. *Racomitrium fasciculare*. **54**: on church wall below broken gutter, 10 m alt., Maltby-le-Marsh church, TF462814, Lammiman F & Rieser C, det. Blockeel.
- 23.6. *Racomitrium sudeticum*. **70**: on boulder in block scree below crag on N-facing slope, 320 m alt., Haystacks, below GreenCrag, NY20131335, Hodgetts NG 7459; **112**: rocks near summit, 380 m alt., Mid Field, Mainland, HU31706 83889, Bosanquet SDS (BBS meeting).
- 23.7. *Racomitrium affine*. **58**: on top of reservoir wall, 340 m alt., Errwood Reservoir, Goyt valley, SK011745, Hanson P; **H1**: Rock face by lower corrie loch, 240 m alt., Brandon Mountain, An Loch Iochtarach & An Loch Uachtarach, Q44141111, Hodgetts NG; **H12**: Rocks on summit ridge, with *Andreaea rothii* ssp. *falcata*, 720 m alt., Mount Leinster, S83345264, Hodgetts NG; **H13**: Rocks near summit, with *R. sudeticum*, 785 m alt., Mount Leinster, S8252, Hodgetts NG; **H35**: on rock on S-facing cliff, 400 m alt., Blue Stack Mountains, Eglis, G93998810, Hodgetts NG 7483.
- 23.8. *Racomitrium heterostichum*. **58**: on gritstone wall, 250 m alt., near Trentabank Reservoir, Macclesfield Forest, SJ960711, Blockeel TL 37/355; **74**: on sandstone outcrop at edge of Sitka plantation, 125 m alt., S of Doon of May Fort in woods S of Mochdrum Loch, NX2951, 2007, Kungu EM S470; **82**: on rock on low rocky slope, 130 m alt., W end of Traprain Law, NT577744, 1998, Long DG E00255839; **87**: on crag, head of Glen Finglas, Trossachs, NN495137, Blockeel TL 37/334; **112**: on acid rocks in field, 15 m alt., Loch Asta, SW of, Mainland, HU410409, Bosanquet SDS (BBS meeting).
- 23.11. *Racomitrium ericoides*. **37**: on sandy soil, Hartlebury Common, Stowport-on-Severn, SO8270, Lawley M.
- 23.13. *Racomitrium canescens*. **112**: Wet rocks by small stream on NE-facing slope., 40 m alt., Unst, Muckle Heog, HP6409, Hodgetts NG.
- 28.9. *Seligeria donniana*. **42**: on damp limestone rock face by river, 130 m alt., Sychryd Valley silica works, SN916080, Bosanquet SDS & Motley GS.
- 30.1. *Fissidens viridulus*. **59**: on bare soil in flower bed, 60 m alt., 51 Bishopdale Drive, Rainhill, Prescot, SJ499910, 2007, Callaghan DA 609; **67**: on flat sandstone boulder in river, River Blyth, Plessey Woods, NZ27, 2005, McCutcheon DE; **83**: on ground in wooded quarry, below Craigmillar Castle, Edinburgh, NT282647, 2001, Chamberlain DF E.
- 30.2. *Fissidens crispus*. **70**: on sandstone cliff, above River Eden near Armathwaite, NY508444, Lawley M.
- 30.3. *Fissidens pusillus*. **59**: on sandstone pebble by woodland track, 30 m alt., Worsley Woods, SD754008, Callaghan DA 612; **59**: on stone in river, Longworth Clough, SD62X, 1997, Lowell J; **105**: on damp slabby basic rocks in wooded ravine, 170 m alt., Allt a'Chairn, Dundonnell, NH12688515, Rothero GP 18031.
- 30.5. *Fissidens incurvus*. **7**: on shady underhang of chalk bank, Roundway Down and Covert SSSI, near Devizes, ST99596558, Pilkington S; **69**: on soil in garden, 65 m alt., Allithwaite, SD384768, Nelson W.
- 30.6.b. *Fissidens bryoides* var. *caespitans*. **87**: on rock in river, Drunkie Burn, NN55620410, Dobson D; **105**: on slabby irrigated rocks in wooded ravine, 70 m alt., Allt nan Coisiche near Achiltibuie, Coigach, NC06940330, Rothero GP 18003; **107**: on rock in river, River Helmsdale, NC83333169, Dobson D; **H12**: Among shaded damp rocks at streamside, 120 m alt., NE of Mount Leinster, R. Clody, S861553, Hodgetts NG.
- 30.8. *Fissidens monguillonii*. **H40**: on rock face in river under bridge, River Faughan, C596012, Lansdown RV 37/08, det. Smith.
- 30.9. *Fissidens crassipes*. **18**: 2 m alt., Walthamstow Reservoirs, Coppermillstream, TQ349891, Wurzell

- B; **73**: on rock in river, River Urr at Kirtlebridge, NX76547466, 2007, Ball A, det. Kungu.
- 30.12. *Fissidens celticus*. **86****: on damp soil on wooded bank near small burn, Carron Glen SWT Reserve, NS78458348, Flagmeier M.
- 30.20. *Fissidens fontanus*. **18****: 2 m alt., Walthamstow Reservoirs, Coppermill stream, TQ349891, Wurzell B; **29**: under water on concrete side of river under fly-over, 5 m alt., N side of River Nene, A1139 bridge, Peterborough, TL19859794, Graham JJ & Preston CD; **34**: on concrete apron of swing bridge, 10 m alt., Splatt Bridge over Gloucester to Sharpness canal, Frampton-on-Severn, SO742067, Lansdowne RV & RE 53/08; **50**: frequent to abundant on margin of River Dee, 30 m alt., River Dee between Groves farm and Eyton Hall Farm, SJ360421, Lansdowne RV & Clarke S 65/08.
- 31.1. *Pleuridium acuminatum*. **33****: on exposure of Harford Sands, 320 m alt., Cleeve Hill, SO992250, Rumsey FJ & Lansdowne RV; **H3**: with other mosses on unshaded trampled soil of small path on slope above shore, 15 m alt., above N end of South Harbour, Clear Island, V9548321427, Holyoak DT 08-190; **H21**: almost unshaded acidic stony soil among patchy herbs & grasses on W-facing hillslope, 210 m alt., near Ballycorus disused lead mine, O2247220760, Holyoak DT 08-081.
- 32.1. *Pseudephemerum nitidum*. **53****: on rutted track through wet woodland, Tunman Wood, Eagle Barnsdale, N Kesteven, SK889648, Stevenson CR.
- 34.4. *Ditrichum plumbicola*. **H10****: in thin mat of *Solenostoma gracillimum* on stony (shale) mine-spoil with clayey matrix, slightly shaded by *Ulex europaeus* bushes to west, 95 m alt., Shallee, R8062471294, Holyoak DT 08-211; **H21**: with *Solenostoma gracillimum* on unshaded proto-soil on rocky/gravelly slope of very sparsely vegetated spoil at old lead mine, part-shaded by small rock overhang, 220 m alt., Ballycorus disused lead mine, O2256120889, Holyoak DT 08-086. New to Ireland.
- 34.8. *Ditrichum flexicaule*. **69****: large patch on limestone ledge in old quarry, 336 m alt., W side of Orton to Appleby road at summit of Orton Scar, NY627098, 2005, Corner RWM.
- 43.3. *Cynodontium jenneri*. **70****: in coarse scree, 485 m alt., Blease Fell, Blencathra, NY314266, Cameron F; **105**: in crevices of dry acid rocks in open ravine, 240 m alt., Allt a'Chairn, Dundonnell, NH147841, Rothero GP 18047; **112**: in rock crevice, 66 m alt., Gunnister Voe, Mainland, HU31797436, Flagmeier M, conf. Hodgetts.
- 45.2. *Dichodontium flavescens*. **105****: on wet, silty, basic rocks in wooded ravine, 180 m alt., Allt a'Chairn, Dundonnell, NH127851, Rothero GP 18035; **H27**: in carpet of bryophytes ca 0.5 m above water-level on thin damp soil over rock on steep N-facing bank of stream on hillside, 355 m alt., N corrie of Ben Gorm, L86876580, Holyoak DT 08-240; **H35**: below waterfall in stream in N-facing coire, 300 m alt., Slieve League, G553786, Hodgetts NG 7492.
- 48.2. *Kiaeria blyttii*. **112****: a few cushions in crevices in rock slab, 185 m alt., Lidda Dale, Saxa Vord, Unst, HP63491700, Bosanquet SDS (BBS meeting); **H12**: Single small tuft on boulder near summit, 720 m alt., Mount Leinster, S8352, Hodgetts NG.
- 49.1. *Glyphomitrium daviesii*. **112****: c15 cushions on face of largest block in scree, 100 m alt., Lidda Dale, Saxa Vord, Unst, HP63451718, Bosanquet SDS (BBS meeting).
- 50.1. *Schistostega pennata*. **112****: frequent on dry soil in holes in block scree, 100 m alt., Lidda Dale, Saxa Vord, Unst, HP63431714, Bosanquet SDS (BBS meeting).
- 51.1. *Aongstroemia longipes*. **108****: on base-rich gravel in old quarry used as car park, 255 m alt., Quinag car park, Assynt, NC23292734, Duckett JG, Rothero 18131.
- 52.3. *Dicranella crispa*. **112****: on clayey shale stream bank with *D. heteromalla*, 10 m alt., tributary of Burn of Catpund, Mainland, HU4278227122, Bosanquet SDS (BBS meeting).
- 52.4. *Dicranella subulata*. **H13****: Beneath overhang on granitic tor at top of steep NW-facing slope, with *Dicranum fuscescens*, *Racomitrium sudeticum*, etc, 650 m alt., Blackstairs Mountain, Caher Roe's Den, S807445, Hodgetts NG.
- 53.12. *Dicranum tauricum*. **77****: on birch trunk in damp woodland, Whitemoss Wood near Carstairs, NS945452, Chamberlain DF.
- 56.2. *Campylopus subulatus*. **45****: damp forestry track with *Juncus foliosus*, 75 m alt., Rhydymaen Cwm, SN121402, Bosanquet SDS.
- 56.5. *Campylopus fragilis*. **H13****: Rock crevice below rowan on bank of deeply cut footpath, 220 m alt.,

- Blackstairs Mountain, N side, S8047, Hodgetts NG.
- 56.11. *Campylopus pilifer*. **H20**: On rocks on steep east-facing slope at top of maritime cliffs, with *Grimmia trichophylla*, 280 m alt., Bray Head, O2817, Hodgetts NG.
- 57.2. *Leucobryum juniperoideum*. **6**: on old cut *Castanea* stump near E margin of wood, Highbury Hill, N of Hallatrow, 2 km NW of Paulton, ST63465807, Rumsey FJ & Crouch HJ; **57**: on humus in rocky oak woodland, 265 m alt., Padley Gorge, Grindleford, SK255796, Blockeel TL.
- 58.1. *Scopelophila cataractae*. **H12**: large pure patches on steep to vertical N-facing bank of silty-clay copper-mine spoil; almost unshaded, 105 m alt., SW of Caim Cross Roads, S8854340908, Holyoak DT 08-281.
- 60.1.b. *Weissia controversa* var. *crispata*. **41**: crevices in limestone rocks, 40 m alt., Pwlldu Bay north side, SS57848721, Bosanquet SDS.
- 60.1.c. *Weissia controversa* var. *densifolia*. **H09**: cushions among patchy short vegetation on unshaded stony (limestone & calcite) lead-mine spoil, 150 m alt., Sheshodonnell East, R2686796918, Holyoak DT 08-225; **H20**: patches on damp humic soil among short *Agrostis capillaris* on unshaded area of old lead mine spoil, 330 m alt., Brockagh, T0928699215, Holyoak DT 08-125.
- 60.2. *Weissia perssonii*. **107**: on soil on ledges at base of S-facing basic crag, 60 m alt., Marian's Rock, E of Rogart, NC74690125, Rothero GP & Flagmeier M 18013.
- 60.3. *Weissia rutilans*. **17**: on bank of ditch with *W. controversa* & *W. longifolia*, by Plot 2, Brookwood Cemetery, SU95725655, Duckett JG; **83**: on bare ground at foot of bing, SW end of Smeaton pit bing near Carberry, NT362685, Chamberlain DF E00255842.
- 60.5.a. *Weissia brachycarpa* var. *brachycarpa*. **21**: on clay bank exposed for ca 4 years, Highgate Cemetery West, TQ284872, Duckett JG & Howarth P; **85**: on damp soil of landslip over sandstone, above the Fife Coastal Path near Baddo Rock, NO558152, Chamberlain DF & Kungu EM; **H12**: patches on unshaded loamy soil in cereal stubble field near river, 13 m alt., by N80 SE of Tomacurry, S9785745526, Holyoak DT 08-073.
- 60.6. *Weissia squarrosa*. **53**: On soil at edge of stubble field, 115 m alt., Old Somerby, near Griff's Plantation, SK952328, Hodgetts NG, conf. Bosanquet.
- 60.10. *Weissia sterilis*. **6**: on bare patch on acid loam over sandstone on pig-grazed E-facing slope, 100 m alt., Highbury Hill, N of Hallatrow, 2 km NW of Paulton, ST635580, Rumsey FJ & Crouch HJ.
- 60.12.a. *Weissia longifolia* var. *longifolia*. **17**: on bank of ditch with *W. controversa* & *W. rutilans*, by Plot 2, Brookwood Cemetery, SU95725655, Duckett JG; **21**: on clay bank exposed for ca 4 years, Highgate Cemetery West, TQ284872, Duckett JG & Howarth P; **57**: on non-calcareous soil at edge of path in churchyard, 120 m alt., North Wingfield, ca 6 km S of Chesterfield, SK404644, Blockeel TL 37/378.
- 60.12.b. *Weissia longifolia* var. *angustifolia*. **44**: rare on steep slope over limestone, 40 m alt., Dryslwyn Castle, SN553202, Bosanquet SDS.
- 61.2. *Tortella bambergerei*. **50**: rare on slightly flushed igneous rocks on NW-facing crag, 250 m alt., Craig Orllwyn, SJ1625, Bosanquet SDS & Motley GS; **70**: on stone below limestone crag, above Croglin, NY5847, Lawley M.
- 61.3. *Tortella densa*. **97**: on base-rich rock with *T. tortuosa*, Garbh Shlios SSSI, Ardtornish, NM7340, Lawley M; **112**: on hummock in base rich flush, near Loch of Huxter, Whalsey, HU557619, Lawley M.
- 61.4. *Tortella fragilis*. Delete. **H33**: specimen is *T. tortuosa* comm. Holyoak
- 62.1. *Trichostomum brachydontium*. **77**: on rock ledge, quarry SE of Coulter, NT02813329, Chamberlain DF.
- 67.1. *Gyroweisia tenuis*. **7**: at base of N-facing church wall, Castle Combe church, ST84147721, Pilkington S.
- 68.2. *Gymnostomum calcareum*. **44**: on wet sloping limestone, 230 m alt., Carreg Cennen northwest, SN666190, Bosanquet SDS.
- 72.1. *Ephemerum recurvifolium*. **7**: on soil on slightly eroded bank in chalk grassland, Avebury Circle, SU10307017, Pilkington S; **35**: at edge of lightly shaded path through cliff-top limestone woodland, 205 m alt., Upper Wyndcliffe, ST526973, Bosanquet SDS.
- 72.6. *Ephemerum serratum*. **59**: on exposed mud at

- edge of reservoir, 140 m alt., Anglezarke Reservoir, SD61511723, 2006, Callaghan DA 480.
- 72.7. *Ephemerum minutissimum*. **77**: on damp disturbed ground by track, S of Carstairs village, NS938456, Chamberlain DF.
- 74.1. *Dialytrichia mucronata*. **52**: on driveway of house, 25 m alt., Pentraeth, Anglesey, SH522781, Bosanquet SDS.
- 75.1. *Pseudocrossidium hornschruchianum*. **92**: on compacted soil in car park, Balmedie Country Park, NJ918182, Chamberlain DF & Pool M E.
- 76.2. *Bryoerythrophyllum ferruginascens*. **39**: on soil on limestone rock ledge, 275 m alt., upper edge of Dovedale Wood by Air Cottage N of Bunster Hill, SK142523, Blockeel TL 37/298.
- 77.2. *Leptodontium gemmascens*. **5**: on weathered wheat-straw thatch of barn with *Campylopus introflexus*, Bossington, Exmoor, SS897480, 2003, Porley RD 2474.
- 78.1.b. *Barbula convoluta* var. *sardoa*. **112**: soil on wall top in Law Lane, 25 m alt., Lerwick, Mainland, HU4741, Bosanquet SDS (BBS meeting).
- 79.1. *Didymodon acutus*. **50**: on track, Pistyl Gwyn Quarry, Eryrys, SJ189574, Lawley M; **H28**: on sandy hummock in sheep-grazed dune slack, 2 m alt., Yellow Strand, Raghly, G57564400, Hodgetts NG 7476.
- 79.4. *Didymodon nicholsonii*. **6**: on damp tarmac of path, in churchyard, Camerton 2.5 km N of Radstock, ST687574, Rumsey FJ & Crouch HJ; **27**: on concrete farm track on edge of woodland, 45 m alt., Billingford Wood, Upper Street, 2.5 km SE of Dickleburgh, TM17548017, Stevenson CR; **70**: on decorticated branch by river, River Eden near Armthwaite, NY508444, Lawley M.
- 79.9. *Didymodon luridus*. **51**: on detached portion of wall surrounded by lawn, Flint Castle, SJ246733, Denyer J, Preston CD & Wilbraham J; **84**: on stone by track, E end of Linlithgow Loch SSSI, NT0077, Chamberlain DF.
- 79.11. *Didymodon sinuosus*. **76**: on stone steps above river, 40 m alt., N bank of White Cart Water, Linn Park, Rutherglen, NS58685969, Hicks D, det. Chamberlain; **77**: on rocks in river, 40 m alt., S bank of White Cart Water, Linn Park, Rutherglen, NS58685969, Hicks D, det. Chamberlain; **85**: on stone by stream, Pinkerton Park, Crail, NO614080, Chamberlain DF; **H1**: thin soil among limestone blocks of wall of bridge 2.5 m above river, part-shaded by ash tree, 15 m alt., E of Cloontoo, V98617282, Holyoak DT 08-168B.
- 79.13. *Didymodon spadiceus*. **45**: foot of east side of bridge over stream, 10 m alt., Roch Bridge, SM873223, Bosanquet SDS; **51**: scattered on sandstone rocks by stream, 210 m alt., Nant y Ffrith, SJ265542, Bosanquet SDS (BBS meeting).
- 82.2. *Aloina rigida*. **94**: on soil on ledge on conglomerate crag, Water of Ailnack, Tomintoul, NJ1414, Blockeel TL 37/317.
- 82.3. *Aloina aloides*. **85**: in thin grass below sandstone cliffs, Randerston Castle, Fife Coastal path, NO616110, Chamberlain DF.
- 83.2. *Tortula schimperi*. **20**: on soil on bank in woodland, 135 m alt., High Park Wood, Great Gaddesden, TL025104, Tipper CTW, det. Smith.
- 83.4. *Tortula freibergii*. **39**: on sandstone wall of canal, Trent and Mersey Canal, SJ83785428, Callaghan DA; **40**: on sandstone wall of canal in semi-shade of bridge, 100 m alt., Shropshire Union Canal, SJ66854011, Callaghan DA 624; **85**: on sheltered W-facing sandstone bluff by river, E bank of Kenly Water downstream of Peekie Bridge, NO56111273, Chamberlain DF & Kungu EM, new to Scotland.
- 83.6. *Tortula marginata*. **51**: rare on low sandstone crag, 240 m alt., Nant y Ffrith, SJ265542, Bosanquet SDS (BBS meeting); **69**: on shaded sandstone cliff, Dufton Ghyll Wood, NY692248, Lawley M.
- 83.16. *Tortula viridifolia*. **H20**: Among rocks on steep slope at top of cliffs, 280 m alt., Bray Head, O2817, Hodgetts NG.
- 83.19. *Tortula protobryoides*. **18**: on dredged soil by reservoir, 5 m alt., Walthamstow Reservoirs, TQ348891, Wurzell B, det. Adams; **69**: on sandy coastal footpath, 5 m alt., Newbiggin near Barrow-in-Furness, SD27226950, Nelson W, conf. Chamberlain.
- 84.1.c. *Phascum cuspidatum* var. *schreberianum*. **21**: on bare ground by pond, Gillespie Park, Lower Holloway, TQ313862, Duckett JG & Howarth P; **29**: on side of ditch, 0 m alt., near Fillenham Drain, The Gault, Chatteris, TL38748659, Preston CD.
- 85.1. *Microbryum starckeanum*. **50**: on frost-heaved, metal-toxic spoil, Minera Lead Mines Visitor Centre, SJ25, Bosanquet SDS (BBS meeting).

- 85.2.a. *Microbryum davallianum* var. *davallianum*. **69**: on sandy soil on ledge of W-facing cliff, 10 m alt., near Humphrey Head Point, SD392 733, Nelson W, conf. Chamberlain.
- 85.4. *Microbryum curvicolleum*. **7**: bare chalky soil in disused chalk pit, Walker's Hill. Pewsey Downs NNR, SU11456337, Pilkington S.
- 86.2. *Henediella macrophylla*. **94**: on partly shaded clay bank by track, Forglen Estate near Turriff, NJ69815136, BBS excursion.
- 89.5. *Syntrichia virescens*. **14**: on bark of old ash coppice in hedgebank, Wilmington, TQ5474 0415, Callaghan DA 697; **44**: occasional on trunk of *Tilia*, 20 m alt., St Catherine's Street, Carmarthen, SN409202, Bosanquet SDS; **50**: on ash trunk in hedge, 1 km N of Llanarmon-yn-Ial, SJ1957, Long DG; **82**: on old Acer in open parkland, 155 m alt., Swallow Cleugh, Yester Estate, Gifford, NT54616670, Long DG 37991.
- 89.8. *Syntrichia latifolia*. **77**: on shaded lumps of tarmac by road, Coulter, NT02613263, Chamberlain DF.
- 92.2. *Tetraplodon mnioides*. **112**: on exposed peat lump in runnel on bog, 35 m alt., Black Park, Yell, HU538979, Hill MO.
- 99.1.b. *Zygodon viridissimus* var. *stirtonii*. **94**: on wall of small ruined building, 5 m alt., W of Gardenstown, NJ79156459, Pool M; **H1**: thin soil among limestone blocks of wall of bridge 2.5 m above river, part-shaded by Ash tree, 15 m alt., E of Cloontoo, V98617282, Holyoak DT 08-168A.
- 99.2. *Zygodon rupestris*. **42**: on trunk of ash tree, Carnagafallt SSSI, SN954640, Lawley M; **112**: in crevice of rock, Keen of Hamar, Unst, HP643102, Lawley M.
- 100.2. *Orthotrichum striatum*. **30**: on willow by river with *O. affine*, 80 m alt., N bank of River Ouzel near Grange Mill, Leighton Buzzard, SP911272, Tipper CTW; **61**: on ash tree, by River Derwent at Kirkham Hall Park SW of Malton, SE7366, Wall C; **87**: on roadside sycamore tree, 75 m alt., Callander, NN634076, Blockeel TL 37/342.
- 100.3.b. *Orthotrichum acuminatum*. **57**: on bole of small deciduous tree in copse, Erewash Valley S of Ironville, SK442504, Blockeel TL 33/573. New to British Isles.
- 100.4. *Orthotrichum speciosum*. **29**: about four tufts on trunk of ash, Balsham Wood, TL589495, Hill MO & Preston CD.
- 100.8. *Orthotrichum obtusifolium*. **18**: four minute plants on willow in carr, 15 m alt., Gunpowder Park, Waltham Abbey, TQ378986, 2006, Wurzell B, det. Adams; **46**: abundant over 30x5 cm strip on sloping Norway Maple, 7 m alt., Plas Crug park, Aberystwyth, SN58628164, Bosanquet SDS. New to Wales.
- 100.10. *Orthotrichum cupulatum*. **14**: on tombstone, Tunbridge Wells cemetery, TQ5937, 2002, Stern RC; **21**: on calcareous stonework with *O. anomalum*, Highgate Cemetery West, TQ284872, Duckett JG & Howarth P.
- 100.11. *Orthotrichum rivulare*. **87**: on base of alder tree by river, 70 m alt., River Teith, Callander, NN631074, Blockeel TL 37/343.
- 100.13. *Orthotrichum stramineum*. **51**: on elder in wooded valley, near Cilcaen, SJ188642, Hill MO; **53**: Ash trunk at edge of plantation woodland, with *O. affine*, *O. diaphanum* & *Uloa bruchii*, 115 m alt., Old Somerby, Griff's Plantation, SK950331, 2007, Hodgetts NG; **77**: on tree by road, SE of Coulter, NT02703331, Chamberlain DF.
- 100.17. *Orthotrichum diaphanum*. **92**: on branch of small tree in thicket, 10 m alt., Balmedie dunes, NJ978181, Pool M.
- 100.18. *Orthotrichum pulchellum*. **30**: on elder on fringe of woodland, 190 m alt., Whipsnade Heath, TL016180, 2007, Tipper CTW.
- 100.19. *Orthotrichum consimile*. **61**: on elder, Sledmere Park, SE9363, Wall C, det. Blockeel.
- 101.1. *Uloa coarctata*. **12**: one tuft on *Salix* with *Cololejeunea minutissima* and *Orthotrichum* spp., in *Salix* scrub/carr by car park on W margin of Woolmer Pond, 3 km SSW of Bordon, SU78543190, Lansdown RV & Rumsey FJ.
- 101.4. *Uloa bruchii*. **12**: on inclined branch of young oak, Hook Common, SU72565340, Rumsey FJ.
- 101.6. *Uloa hutchinsiae*. **67**: on emergent boulder at edge of stream, 280 m alt., Wellhope Burn, NY7751, 2006, McCutcheon DE, conf. Porley.
- 101.7. *Uloa phyllantha*. **77**: on willow, 80 m alt., Drumpellier Country Park, NS717656, Chamberlain DF E00255835.
- 102.2. *Hedwigia stellata*. **87**: on boulder on hillside partly shaded by birch, 230 m alt., above the S end of Glen Finglas, NN5307, Blockeel TL 37/328; **H34**: on exposed boulder below steep NW-facing slope, 200 m alt., Barnesmore Gap, Friaribush, H0385, Hodgetts NG 7503.

- 102.3. *Hedwigia integrifolia*. **108**: on S-facing gneiss crag above burn, 65 m alt., Uidh na Geadaig, Assynt, NC13772550, Rothero GP 18148.
- 107.1. *Philonotis rigida*. **45**: on very wet flushed rock face, 70 m alt., Cell Howell, SN083434, Bosanquet SDS.
- 107.4. *Philonotis caespitosa*. **85**: at edge of burn, Lothrie Burn, Lomond Hills, NO22980327, 2007, Kungu EM, det. Holyoak; **H12**: in marshy field, field leading down to Palace Brook, S80283147, Lansdowne RV & Jackson M, det. Holyoak.
- 111.16. *Bryum donianum*. **H6**: vertical silty soil of bank of stream, N-facing and part-shaded by overhanging grasses, 5 m alt., Knockmahon, X4394999002, Holyoak DT 08-150.
- 111.18. *Bryum elegans*. Delete. **1**: three specimens (BBSUK, NMW) are not *B. elegans* but probably *B. capillare*, comm. Holyoak
- 111.20. *Bryum torquescens*. **H10**: partly bare soil among shaly rocks at base of slope facing N in old water-filled quarry, 105 m alt., Garryard West, R8295970924, Holyoak DT 08-216; **H33**: on thin unshaded dry soil among sparse low grasses and herbs on SE-facing slope, 150 m alt., Monawilkin, H08965301, Holyoak DT 08-255.
- 111.21. *Bryum canariense*. **39**: on thin soil on S-facing limestone rock ledge, 160 m alt., lower part of Hall Dale near Milldale, SK140534, Blockeel TL.
- 111.22. *Bryum creberrimum*. **40**: on soil in crack between paving slabs in garden, Brynmawr Farm, SO218849, Lawley M, conf. Holyoak.
- 111.23. *Bryum pallescens*. **11**: Open burned patch on waste ground, 50 m alt., North Baddesley, Brown Hill, SU3919, Hodgetts NG; **36**: on base of mortared brick wall, farm buildings, Lower Breinton, SO476404, Lawley M, conf. Holyoak; **112**: by metal cover on flat concrete platform of sewage pumping station, 0 m alt., Ernsdale, Balta Sound, Unst, HP61940885, Preston CD; **H10**: part of bryophyte carpet on gravelly mine-spoil (shales) with fine matrix, slightly shaded by *Ulex europaeus* bush, 110 m alt., Garryard West, R8269771125, Holyoak DT 08-220; **H11**: unshaded silty-clay mine-tailings (rich in Zn and Pb), Galmoy Mine: Trial Cell area, S2743572296, Holyoak DT 08-157; **H20**: damp gritty soil part-shaded at base of stone wall below “buddle” at old lead mine, 285 m alt., Vale of Glendasan (Old Hero Mine), T0987798193, Holyoak DT 08-101.
- 111.24.a. *Bryum pseudotriquetrum* var. *pseudotriquetrum*. **112**: on damp floor of quarry, 10 m alt., quarry E of outflow of Burn of Valayre, Mainland, HU3669, Hill MO.
- 111.26. *Bryum kunzei*. **41**: 4 small patches on thin soil on limestone ledge, 40 m alt., Mewslade, Gower, SS4234187471, Bosanquet SDS.
- 111.33. *Bryum radiculosum*. **94**: on mortared wall with *Tortula muralis*, 10 m alt., by Tourist Information Centre, Banff, NJ690639, Pool M.
- 111.35. *Bryum violaceum*. **14**: in arable field, N of Willcott’s Farm, W of Fordcombe, TQ507403, Stern RC.
- 114.6. *Poblia drummondii*. **94**: on wet ledge on low cliff in area of late snow-lie, 1070 m alt., Garbh Uisge Beag, Ben Macdui, NH99500080, 2007, Long DG & Rothero GP 36967.
- 114.11. *Poblia annotina*. (**26**): Knettishall Heath, TL98K, 1919, Mayfield A NWH.
- 116.5.a. *Mnium marginatum* var. *marginatum*. **112**: limestone outcrop in field, 15 m alt., Loch Asta, SW of, Mainland, HU410409, Bosanquet SDS (BBS meeting).
- 119.2. *Plagiomnium affine*. **66**: Cassop Pond NNR, NZ342384, 2007, O’Reilly C, conf. Orange.
- 119.4. *Plagiomnium elatum*. **20**: in wetland fed by springs, 50 m alt., Sawbridgeworth Marsh, valley of River Stort, TL4915, Saunders AN, det. Tipper conf. Orange.
- 121.1. *Aulacomnium palustre*. **H19**: below heather in severely disturbed and degraded bog, Allanwood Bog, N77552641, Hodgetts NG 7509.
- 122.1. *Orthodontium lineare*. **94**: on rotten stump, Glen Deveron S of Banff, NJ67756152, Chamberlain DF *et al.*
- 123.1. *Leptotheca gaudichaudii*. **1**: on base of tree fern, 30 m alt., Trebah Gardens, SW7627, 2005, Sleath JD, conf. Matcham.
- 130.1.b. *Fontinalis antipyretica* var. *gracilis*. **92**: in upland burn on peaty moorland, 200 m alt., tributary of River Girnock, Iron Bridge near Ballater, NO293909, Lang P, det. Porley.
- 132.2. *Palustriella falcata*. **79**: in basic flush on N-facing slope, 540 m alt., Bought Hill, Etrrick, NT175107, Corner RWM, conf. Blockeel.
- 134.2. *Campylium protensum*. **112**: on gravelly margin of loch, 5 m alt., Loch of Cliff, Unst,

- HP606137, Hill MO; **H3**: patches on steep damp sand-stone of flushed part of sea cliff above old harbour; unshaded, 5 m alt., by NE side of South Harbour, Clear Island, V95762105, Holyoak DT 08-200A.
- 135.1. *Campyliadelphus chrysophyllus*. **80**: current record is based on a 19th century literature record comm. Corner; replace with: on calcareous clay on scaur, 170 m alt., W side of Allan Water, NW of Dodburn, NT47310801, Corner RWM, conf. Blockeel.
- 135.2. *Campyliadelphus elodes*. **102**: by loch, 40 m alt., Glencastle Loch, The Oa, Islay, NR30004475, Hicks D, det. Chamberlain conf. Blockeel.
- 139.1. *Conardia compacta*. **85**: on N-facing sand-stone cliff, above the Fife Coastal Path near Baddo Rock, NO561152, Chamberlain DF & Kungu EM.
- 143.1. *Hygrohypnum ochraceum*. **110**: on stone in stream, 1 m alt., Abhainn Gabhsann bho Thuath, W coast of Lewis, NB445595, 2007, Kungu EM S462; **H13**: Wet roadside tarmac, 100 m alt., Blackstairs Mountain, Knockmullygurry, S7845, Hodgetts NG.
- 143.8. *Hygrohypnum duriusculum*. **95**: on rock in river, River Findhorn below Mains of Sluie, NJ01135383, Dobson D.
- 144.2. *Pseudocalliergon turgescens*. **60**: in water filled solution hollows in limestone pavement, 25 m alt., Gait Barrows, SD4798.7748, 2002, Porley RD 2408, conf. Hedenas.
- 145.1. *Warnstorfia fluitans*. **H20**: Wet meadow, 15 m alt., Woodenbridge, Vale of Avoca, T2175, Hodgetts NG.
- 146.1. *Sarmentypnum exannulatum*. (**25**): Redgrave Fen East, TM0479, 1918, Mayfield A NWH, conf. Hill; (**26**): Hinderclay Fen, TM0278, 1920, Mayfield A NWH.
- 148.1. *Hamatocaulis vernicosus*. **78**: in flush by rivulet, Drumelzier Burn, NT13983352, Chamberlain DF.
- 149.1. *Scorpidium revolvens*. **87**: in *Scorpidium* flush on bank, 260 m alt., Gleann nam Meann, Trossachs, NN5213, Blockeel TL 37/336.
- 149.2. *Scorpidium cossonii*. **112**: in flush, Dale of Lumbister, Yell, HU47929651, Lawley M.
- 150.2. *Calliergon giganteum*. **84**: in basin mire, Lochcote Marsh, NS978743, 2000, Chamberlain DF.
- 151.1. *Leskea polycarpa*. **83**: on silt-covered bases of Salix, N side of Glencorse Reservoir, NT215641, 2000, Chamberlain DF.
- 156.1.a. *Abietinella abietina* var. *abietina*. **30**: in rabbit-grazed turf on steep S-facing roadside bank, 200 m alt., Bison Hill near Whipsnade, SP999186, 2006, Tipper CTW.
- 157.2. *Thuidium delicatulum*. **17**: in turf on grassy slope with *Vaccinium myrtillus*, 180 m alt., Devil's Punchbowl SSSI, SU893361, Wallis HW.
- 163.2. *Platyhypnidium lusitanicum*. **H12**: Among shaded damp rocks at streamside, 120 m alt., NE of Mount Leinster, R. Clody, S861553, Hodgetts NG.
- 164.2. *Rhynchostegium confertum*. **94**: on partly shaded boulder, 180 m alt., Haggieshaw Wood near Dufftown, NJ350424, BBS excursion.
- 165.2. *Rhynchostegiella litorea*. **2**: on damp shaded stone by path, 80 m alt., near E end of church, Talland, SX228516, Paton JA, conf. Blockeel; **14**: on bark of old ash coppice in hedgebank, Wilmington, TQ54740415, Callaghan DA 696.
- 166.2. *Cirriphyllum crassinervium*. **28**: on roots of beech tree near lake, 9 m alt., Holkham Park, TF88284356, Stevenson CR.
- 167.4. *Oxyrrhynchium speciosum*. **39**: on soil by stream in woodland, Pound Green Common, Battonoak, Wyre Forest, SO7578, Fraser L & Lawley M; **61**: on wet twigs and roots by woodland pool, 15 m alt., Kirkham Park Wood, Firby, SE737666, Blockeel TL 37/362.
- 169.4. *Sciuro-hypnum populeum*. **94**: on water feature in walled garden, Forglen Estate near Turriff, NJ698521, Chamberlain DF & Pool M E.
- 170.3. *Brachythecium glareosum*. **105**: in short grass at base of fucoid bed crag, 250 m alt., Allt a'Char ravine, Dundonnell, NH11928815, Rothero GP & Long DG 18054.
- 170.5. *Brachythecium mildeanum*. **40**: in short vegetation at edge of earth car park, Whixall Moss, Morris's Bridge, SJ492355, 2007, Godfrey M.
- 171.1. *Scleropodium cespitans*. **39**: on roots of sycamore, 100 m alt., River Dove at Toadhall Bridge near Ellastone, SK143437, Blockeel TL; **70**: on rock in flood zone, River Eden near Armathwaite, NY5044, Lawley M.
- 171.2. *Scleropodium touretii*. **H3**: with sparse low grasses, herbs & other mosses on thin trampled soil over sandstone rocks at cliff top, 10 m alt.,

- above N end of South Harbour, Clear Island, V9567021253, Holyoak DT 08-195.
- 177.2. *Calliergonella lindbergii*. **87**: on damp ground by track, Devilla Forest near Kincardine, NS956 880, Chamberlain DF.
- 179.1. *Pylaisia polyantha*. **61**: on elder, North Cliffe Wood nature reserve, SE8636, Wall C, conf. Blockeel; **94**: on small branch of large moribund elm, 45 m alt., near Ivy Cottage, Forglan Estate near Turriff, NJ699515, Pool M.
- 181.2. *Hypnum vaucheri*. **94**: on S-facing calcareous conglomerate crag in large ravine, 420 m alt., N side of Water of Ailnack, NJ144148, Rothero GP, Blockeel TL & Long DG 18124.
- 181.3.b. *Hypnum cupressiforme* var. *lacunosum*. **7**: in CG2/3 chalk grassland, Walker's Hill. Pewsey Downs NNR, SU11426332, Pilkington S.
- 181.4. *Hypnum andoi*. **94**: on base of willow, 240 m alt., by B9014 S of Loch Park near Dufftown, NJ350422, Pool M.
- 181.7. *Hypnum imponens*. **37**: in mire, Hartlebury Common, Stowport-on-Severn, SO819707, Lawley M; **40**: in wet pasture, Brynmawr Farm, upper Clun valley, SO217847, Lawley M.
- 186.1.b. *Heterocladium heteropterum* var. *flaccidum*. **51**: on sandstone rocks above stream, 220 m alt., Nant y Ffrith, SJ265542, Bosanquet SDS (BBS meeting).
- 188.1. *Pleurozium schreberi*. **33**: with heather in enclosure, 300 m alt., Cleeve Hill, SO996255, Rumsey FJ & Lansdown RV.
- 189.3. *Rhytidiadelphus subpinnatus*. **45**: scattered over 150x80cm of bank by footpath, 95 m alt., Allt Pontfaen west, SN029338, Bosanquet SDS.
- 190.1. *Loeskeobryum brevirostre*. **32**: on log in mixed woodland, 140 m alt., by track in Plumpton Wood, SP603495, Hueber N.
- 197.5. *Plagiothecium curvifolium*. **3**: on peaty roadside bank, 220 m alt., near castle Dyke, Ashcombe, SX923769, Pool M.
- 197.9. *Plagiothecium nemorale*. **59**: on shaded bank, near Barley, SD84A, 2000, Lowell J, Adams J & Smith J.
- 200.2. *Herzogiella seligeri*. **3**: on large rotting Maritime Pine log in woodland, 40 m alt., Greenway, Galmpton, Brixham, SX875545, Pool M.
- 201.1. *Entodon concinnus*. **7**: in chalk grassland on bank, Avebury Circle, SU10286976, Pilkington S.
- 204.2. *Sematophyllum substrumulosum*. **3**: on large rotting Monterey Pine log in plantation, 100 m alt., Coleton Fishacre Estate, Kingswear, SX91245079, Pool M.
- 205.1. *Cryphaea heteromalla*. **58**: on oak branch, 340 m alt., car park at Errwood Reservoir, Goyt valley, SK012748, Hanson P; **77**: on sycamore trunk, 85 m alt., Drumpellier Country Park, NS71356565, Chamberlain DF E00255833; **86**: on elder, 100 m alt., Carron Glen SWT Reserve, NS793832, Rothero GP et al. 18016.
- 209.1. *Pterogonium gracile*. **112**: on S-facing serpentine outcrop, 110 m alt., Stackaberg, Fetlar, HU6192, Lonnell N.
- 210.3. *Neckera pumila*. **20**: on horizontal oak branch with *Ulotia bruchii*, 165 m alt., Berkhamstead Common, SP999102, Tipper CTW; **85**: on branch of *Salix* near pond, Tentsmuir Forest, NO50132616, Chamberlain DF.
- 212.3. *Thamnobryum angustifolium*. **70**: on rock in flood zone, River Eden S of Armathwaite, NY5045, Lawley M, conf. Blockeel.
- 214.1.b. *Isothecium myosuroides* var. *brachythecioides*. **H13**: Rock crevices on granitic tor at top of steep NW-facing slope, 650 m alt., Blackstairs Mountain, Caher Roe's Den, S8044, Hodgetts NG.
- 216.2. *Anomodon attenuatus*. **70**: on rock in flood zone, River Eden near Armathwaite, NY506445, Lawley M, conf. Bosanquet.

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