

Recorder for Liverworts, **Sam Bosanquet**, and Recorder for Mosses, **Tom Blockeel**, present their annual reports and new vice-county record lists

The liverwort year – 2017

In my final year as Recorder for Liverworts, I confirmed 96 liverwort vouchers during 2017, deleted one record, and added two records in brackets to indicate old records only. The two additions in brackets concerned 19th century specimens of *Preissia quadrata* from the fens of East Anglia, tracked down during herbarium research. 99 records was a slight downturn in numbers, but recording remains very healthy. 52 recorders contributed, with Scotland leading the field: David Long sent in 11 vouchers, Rory Whytock provided 6, and Gordon Rothero 5 vouchers, whilst Tom Blockeel sent 9 specimens from Scotland, England and the Channel Islands, and Mark Lawley submitted 7 from Scotland and Wales. 70 taxa were represented, which is a good total compared with previous years. The host counties

for the BBS Summer Meeting – West Perthshire **87** with 13 vouchers and Stirlingshire **86** with 7 vouchers – produced the greatest number of records, whilst an incredibly productive day in South-east Yorkshire **61** resulted in 6 vouchers; Montgomeryshire **47** and another county visited by the BBS Summer Meeting, West Ross **105**, yielded 5 vouchers apiece.

The number of records reported in 2017 are shown in the table below.

The liverwort year

There were no outstandingly rare liverwort finds during 2017, but recorders in each country found notable species. Perhaps the most remarkable addition made during the year in England was *Preissia quadrata* in Cambridgeshire **29** and Huntingdonshire **31**: specimens from

The number of records reported in 2017 is as follows:

	2016					2017				
	England	Wales	Scotland	Ireland	Channel Islands	England	Wales	Scotland	Ireland	Channel Islands
New entries	27	18	21	20	–	19	15	34	4	1
Debrackets*	4	–	6	12	–	11	2	6	2	2
Persisting†	1	–	–	–	–	–	–	–	–	–
Bracketings*	1	–	–	–	–	2	–	–	–	–
Deletions	–	–	2	1	–	–	1	–	–	–
Totals	33	18	29	33	0	32	18	40	6	3

*Debrackets are existing vice-county entries for which a post-1960 record has been vouched. *Bracketings are existing entries for which the post-1960 records are unconfirmed or erroneous, but older record(s) are valid.

†Persisting colonies have survived outdoors at sites outside their known native range for more than 10 years.

1832 and 1829 respectively were unearthed by Chris Preston during herbarium research for a forthcoming Flora. *Ptilidium ciliare* and updated *Gymnocolea inflata* were notable acidophiles recorded in North Somerset **6** by Andrew Branson and Sharon Pilkington, whilst Sue Rubinstein found the rare *Cephaloziella spinigera* in East Sussex **14** for the first time in decades. *Lophozia capitata* was an excellent discovery by Margaret Crittenden on colliery Spoil in Nottinghamshire **56**, and Tom Blockeel sent in some well-grown *Riccardia incurvata* from the same county. *Frullania teneriffae* on Lundy Island, North Devon **4** was hardly a surprise, but the patch of *F. teneriffae* discovered by Tom Blockeel on a tree in the Pennines of eastern Cheshire **58** was astounding! A YNU visit to Skipwith Common in South-east Yorkshire **61** produced *Pellia neesiana* new for the county, as well as five updates including *Blasia pusilla* and *Fossombronina foveolata*.

Persistence was needed to confirm *Phaeoceros carolinianus* from Glamorgan **41**, as George Tordoff had to return twice to locate mature specimens. *Phaeoceros carolinianus* was also updated for Cardiganshire **46**, along with updated *Riccia subbifurca* and new *Anthoceros punctatus*, but Tom Ottley's most astonishing find in Cardiganshire was *Cephaloziella turneri*. This came just a few months after George Tordoff's discovery of *C. turneri* new for Caernarvonshire **49**. *Frullania microphylla* var. *microphylla* was added to the Glamorgan **41** list by Barry Stewart, but removed from Breconshire **42** because the only specimen was var. *deciduiifolia*. Breconshire gained *Gymnomitrium obtusum*, found by Graham Motley, as well as *Riccia cavernosa*. *Riccardia incurvata* was the most notable of Mark Lawley's finds from a productive year targeting Montgomeryshire **47**.

The *Lophozia longiflora* collected by Des Callaghan from East Ross **106** was the rarest liverwort submitted from Scotland in 2017. Although this species is almost as taxonomically confusing as *L. wenzelii*, Des' specimen had the requisite perianth characters and was growing on a log in a Scots Pine forest. *Odontoschisma elongatum* and *Barbilophozia hatcheri* were the best of Rory Whytock's discoveries in Ayrshire **75**, with the former bridging the gap between the Highlands and a recently discovered Welsh colony of *O. elongatum*. David Long confirmed some *Scapania paludicola* collected by Rod Corner from Roxburghshire **80**, and Liz Kungu updated *Hygrobiella laxifolia* from Dunfriesshire **72**. Hepatic highlights of the Summer Meeting included *Tritomaria polita*, *Lophozia opacifolia*, *Scapania calcicola*, *S. uliginosa*, *Anthelia juratzkana* and *Marsupella alpina* on a mega day on Ben Lomond, Stirlingshire **86**, and *Aneura mirabilis*, *Plagiochila carringtonii*, *Cephalozia loitlesbergeri*, *Barbilophozia lycopodioides*, *Scapania cuspiduligera*, *Eremonotus myriocarpus* and *Harpanthus flotovianus* from various sites in West Perthshire **87**. *Cephalozia loitlesbergeri* was also found new to Mid Ebudes **103** by Sandy Payne on Tiree, whilst new discoveries in the Outer Hebrides **110** were Nick Hodgetts' *Fossombronina incurva* on Hirta and Tristan ap Rheinallt's *Barbilophozia atlantica* on Lewis.

Jo Denyer's *Lophocolea fragrans* in a glen in Co Dublin **H21** was pick of the crop from Ireland, in an atypically quiet year for Irish bryology. Thanks must also go to Rory Hodd for sending in Darren Reidy's 2016 specimen of *Riccia fluitans* from East Cork **H5**. The BBS Spring Meeting on the Channel Islands **C** only produced three liverwort vouchers, of which Chris Preston's *Riccia subbifurca* was both the most interesting and the most puzzling: another specimen which

accompanied the *R. subbifurca* could not be satisfactorily assigned to any species.

It appears as though the taxonomic revisions to thallose liverworts that saw them so well represented in reports over the last few years have finally run through the system: there were just two specimens of *Marchantia polymorpha* subsp. *polymorpha*, one *M. p.* subsp. *ruderalis* and one *Conocephalum conicum*, whilst *C. salebrosum* was not sent in at all during 2017. Spreading species had mixed fortunes in 2017: *Cololejeunea minutissima* was found on both its northern and eastern range edges – by Stephen Heathcote in North Lincolnshire **54** and Matt Stribley in West Ross **105** – and *Colura calyptrifolia* has extended into South Wiltshire **8**. *Metzgeria consanguinea*, which seemed to be spreading in parallel to *C. minutissima*, was not added to any county lists during the year. *Lophocolea bispinosa* was only added to one Vice-county, Dumfriesshire **72**, but there were three new counties for *L. semiteres* in what is now an almost continuous distribution across Britain. *Nowellia curvifolia* is less regularly discussed as a spreader, as its expansion started earlier than the aforementioned species, but Ken Adams found it in Epping Forest, North Essex **19** where it is surely a new arrival.

New vice-county records and amendments

Vouchers are deposited in the BBS herbarium (BBSUK) unless otherwise stated. Other herbarium abbreviations are **BTH** = Bath Royal Literary and Scientific Institution; **CGE** = University of Cambridge; **DBN** = National Botanic Garden, Glasnevin, Dublin; **E** = Royal Botanic Garden, Edinburgh.

1.1. *Anthoceros punctatus*. 46: in field of oats, 40 m alt., Gogerddan, SN63378369, 2017, TW Ottley 17092301; **61:** on moist peaty soil near edge of pond on lowland heath, 10 m alt.,

Skipwith Common, east side of Horseshoe Pond, SE66203716, 2017, TL Blockeel 46/453.

2.2. *Phaeoceros carolinianus*. 41: arable field, fallow for 2 years, Tydu arable, Capel Llanilltern, ST103800, 2017, G Tordoff; **46:** in fallow field, 40 m alt., Penrhyn-coch, SN63698377, 2017, TW Ottley 17091501.

2.1. *Blasia pusilla*. 61: on moist peaty soil on animal track near edge of pond on lowland heath, 10 m alt., Skipwith Common, south side of Horseshoe Pond, SE66163718, 2017, M Wilcox.

5.1.a. *Marchantia polymorpha* subsp. *polymorpha*. 47: on shallow soil over rock by river, Afon Vyrnwy, Dolanog, SJ065127, 2017, M Lawley; **105:** on conglomerate outcrop on open river bank, 30 m alt., River Applecross, Strath Maolchaluim, Applecross, NG72664708, 2017, DG Long (E).

5.1.b. *Marchantia polymorpha* subsp. *ruderalis*. 47: crevice of flagstone beside canal, Welshpool, SJ226073, 2017, M Lawley.

6.1. *Preissia quadrata*. 29 in brackets: Burwell Fen, TL56, 1832, CE Broome, *det.* CD Preston, *conf.* DG Long (BTH); **31 in brackets:** Whittlesey Mere, TL29, 1826, MJ Berkeley, *det.* CD Preston (CGE); **40:** face of old quarry, 280 m alt., Selattyn Hill, SJ25323495, 2017, JD Shanklin.

9.1. *Conocephalum conicum*. 23: muddy banks around tufaceous spring, Sydlings Copse, SP5509, 2017, OL Pescott & DM Morris.

10.1. *Riccia cavernosa*. 4: damp sandy ground, 3 m alt., Northam Burrows Inland Sea, SS44383147, 2017, AD Cunningham & N Price, *det.* M Pool; **25:** bare mud at edge of dried up pool in fen/marsh, Redgrave Fen, TM04407897, 2017, RJ Fisk & M Smith; **42:** pure extensive sheets amongst short inundation vegetation, Llangorse Lake, SO124270, 2017,

- GS Motley & J Saville.
- 10.4. *Riccia fluitans*. H5:** in shallow pond, Tinegeragh, Watergrasshill, W757847, 2016, D Reidy *det.* RL Hoddd.
- 10.9. *Riccia glauca*. 105:** on trampled soil outside garden wall, 20 m alt., Walled Garden, Applecross, NG720456, 2017, CD Preston.
- 10.10. *Riccia subbifurca*. 46:** bare soil in garden, 90 m alt., Goginan, SN688816, 2017, TW Ottley 17090801.
- 10.10. *Riccia subbifurca*. 105:** on compacted soil of path edge, 20 m alt., Walled Garden, Applecross, NG72034565, 2017, MJ Stribley; **C:** steep earth bank of garden, rising above wall alongside road, S of Fliquet, St Martin, Jersey, WV71035319, 2017, CD Preston.
- 14.2. *Pellia neesiana*. 61:** peaty soil at edge of lake as rushes start to thin out, Skipwith Common NNR, Horseshoe Pond, SE66113722, 2017, SJ Heathcote & YNU Bryophyte Section.
- 16.1. *Fossombronina foveolata*. 61:** abundant on peaty soil over several metres of ditch on lowland heath, 10 m alt., Skipwith Common, SE65743768, 2017, TL Blockeel & M Wilcox 46/456.
- 16.4. *Fossombronina pusilla*. 56:** in ditch with *Riccardia chamedryfolia*, Mission Carr, SK71169776, 2017, M Crittenden; **105:** muddy ground at edge of small, probably intermittent, pond, 45 m alt., Milltown Woods, Applecross, NG71134390, 2017, EM Kungu; **C:** soil pockets on bank of lane, Jersey: La Tour de Rozel, St Martin, WV70275393, 2017, TL Blockeel 46/178.
- 16.6. *Fossombronina wondraczekii*. 61:** on moist peaty soil on animal track near edge of pond on lowland heath, 10 m alt., Skipwith Common, south side of Horseshoe Pond, SE66163714, 2017, TL Blockeel 46/451.
- 16.8. *Fossombronina incurva*. 10:** damp mud on coastal landslip, 15 m alt., Luccombe Chine, SZ58327939, 2017, JA Norton; **87:** on damp gravel of upland track, 195 m alt., Inverlochlarig Glen below Beinn Tulaichean, NN43371883, 2017, DG Long 44856 (E); **110:** damp compacted soil on floor of disused quarry, 140 m alt., Hirta, Abhainn Mor, NF09539949, 2017, NG Hodgetts 9599.
- 21.2. *Aneura mirabilis*. 87:** under *Sphagnum* in open *Betula* woodland, 20 m alt., Flanders Moss near Ballangrew, NS61809835, 2017, DG Long 44908 (E).
- 22.3. *Riccardia incurvata*. 47:** in a base-rich flush, Esgair Draenllwyn, SN927943, 2017, M Lawley; **56:** on sandy clay in ditch, Mission Carr, SK71169776, 2017, TL Blockeel, M Crittenden & S Heathcote 46/008; **75:** 125 m alt., Trearne Quarry, NS371532, 2016, RT Whytock.
- 22.4. *Riccardia palmata*. 47:** on decorticated tree trunk on edge of wood, Coed Cwmgolog, SO191878, 2017, M Lawley; **H18:** deadwood in broadleaf woodland, Golden Grove Hill Wood, S1192, 2017, GF Smith, T Whyte & F Devery 1702040 (DBN).
- 22.5. *Riccardia latifrons*. 24:** on rotten log in shade of pine, ash & hawthorn, College Wood, Nash, SP79283341, 2017, SV O'Leary.
- 25.2. *Frullania teneriffae*. 4:** granite quarry face, VC Quarry, Lundy Island, SS13904545, 2017, SDS Bosanquet; **58:** one patch on trunk of young, tall tree (probably oak), Swallows Wood, by Arnfield Reservoir, SK00849759, 2017, TL Blockeel 46/458.
- 25.3.a. *Frullania microphylla* var. *microphylla*. 41:** Old Red Sandstone, Rhossili Down, SS41939097, 2017, B Stewart; **delete 42:** all records are var *deciduiifolia*.
- 28.3. *Cololejeunea minutissima*. 54:** epiphyte on *Salix* in small coastal woodland by margin of wetland, Chapel Six Marshes, TF5584374171,

- 2017, SJ Heathcote; **105**: on gorse, south of River Applecross, NG72184609, 2017, MJ Stribley; **H21**: near base of trunk of *Zelkova serrata* in Botanic Garden, 25 m alt., Glasnevin, Dublin, O1437, 2017, TL Blockeel 46/190.
- 29.1. *Colura calyptrifolia*. 8**: numerous small colonies on *Salix cinerea* in flush/stream, 190 m alt., Stourhead Estate, Convent Bottom, ST75703448, 2017, SL Pilkington.
- 32.2. *Lejeunea lamacerina*. 84**: on rocks by bank of river, 170 m alt., Polkemmet Country Park, NS926650, 2017, EM Kungu (E).
- 34.1. *Microlejeunea ulicina*. 55**: old alder coppice in wet alder woodland, Stinking Wood, Sandhills Lodge, SK501109, 2016, U Hamzaoui; **84**: in small knot hole in Beech trunk, 170 m alt., Polkemmet Country Park, NS92376483, 2017, EM Kungu (E).
- 35.1. *Ptilidium ciliare*. 6**: among young *Betula* trees on north-facing side of old colliery tip, 85 m alt., Midsomer Norton, ST67075436, 2017, A Branson & SL Pilkington; **56**: among mature heather with *Pleurozium* and *Hypnum jutlandicum*, Sherwood Golf Course heathland SSSI, SK58796161, 2017, M Crittenden.
- 35.2. *Ptilidium pulcherrimum*. 87**: base of old *Betula* in open *Betula* woodland, 20 m alt., Flanders Moss near Ballangrew, NS62069840, 2017, DG Long & GP Rothero 44910 (E).
- 40.1. *Bazzania trilobata*. 107**: rotten stump in alder woodland, 7 m alt., Mound Alderwoods, NH76699789, 2017, DA Callaghan.
- 41.2. *Kurzia sylvatica*. 87**: on damp peat on margin of raised bog, 20 m alt., Flanders Moss near Ballangrew, NS62329855, 2017, DG Long 44912 (E).
- 41.3. *Kurzia trichoclados*. 87**: on peat overlying top of a low crag, 320 m alt., N slopes of Creag a'Chonnaidh, W of Glen Buckle, NN518168, 2017, GP Rothero 2017029.
- 44.2. *Lophocolea bispinosa*. 72**: path into conifer plantation, 190 m alt., Crawick Water, Sanquhar, NS78421112, 2017, EM Kungu, V Heppel & C Miles (E).
- 44.4. *Lophocolea semiteres*. 6**: abundant on north-facing slope of old colliery tip, 85 m alt., Midsomer Norton, ST67075436, 2017, A Branson & SL Pilkington; **35**: soil by grave, Marshfield Church, ST262825, 2017, SDS Bosanquet; **55**: soil in heath-grassland amongst rocks below Precambrian rock outcrops, Beacon Hill, SK50931488, 2017, U Hamzaoui.
- 44.6. *Lophocolea fragrans*. H21**: east facing granite boulder in wooded glen, 100 m alt., Dingle Glen, O21502266, 2017, JL Denyer.
- 48.1. *Plagiochila carringtonii*. 87**: among boulders, 670 m alt., E slope of Beinn Tulaichean, S of Creag nan Sputan, NN42141948, 2017, GP Rothero.
- 48.8. *Plagiochila bifaria*. C**: on shaded, north-facing crag, Jersey: Egypte, Trinity, WV65975547, 2017, TL Blockeel 46/166.
- 52.6. *Cephalozia lunulifolia*. 52**: among litter under *Calluna* in rocky coastal heath, Porth Cynfor, SH3994, 2017, TH Blackstock.
- 52.8. *Cephalozia loitlesbergeri*. 87**: amongst *Sphagnum magellanicum* on raised mire, Flanders Moss near Ballangrew, NS6297, 2017, M Lawley; **103**: on edge of small pool in mosaic of wet heath and blanket bog, Gott, Tíree, NM02494627, 2017, AG Payne & TH Blackstock.
- 54.1. *Hygrobiella laxifolia*. 72**: on damp sandy soil, 28 m alt., south bank of R. Annan, near entrance to Hoddom Castle, just to west of old boathouse ruin, NY16287271, 2017, EM Kungu, EJ Saddler & V Heppel (E).
- 55.1. *Nowellia curvifolia*. 19**: on black, soggy, rotten Beech log, 150 m alt., Epping Forest, St Thomas' Quarters, TQ43039993, 2017, KJ Adams.

- 56.2. *Odontoschisma denudatum*. 63:** on horizontal rotting tree trunk with *Nowellia* in oak/birch woodland, Colden Clough, SD98162781, 2017, JM Turner.
- 56.3. *Odontoschisma elongatum*. 75:** on sandy loch margin, 330 m alt., Loch Goosie, NX44179468, 2017, RT Whytock.
- 58.1. *Cephaloziella spinigera*. 14:** *Sphagnum* bog, 135 m alt., Ashdown Forest, Duddleswell, TQ45952841, 2017, S Rubinstein, S Lemon & B Scott.
- 58.6. *Cephaloziella divaricata*. H18:** dry well-drained cutover raised bog, Mongan Bog, N02363082, 2016, GF Smith & W Crowley 1610002 (DBN).
- 58.11. *Cephaloziella turneri*. 46:** steep earth bank near river, 30 m alt., Llanerchaeron, SN47726047, 2017, TW Ottley 17110901; **49:** crevice in rocks above foreshore (tree shaded), 5 m alt., Menai Strait, Bangor, SH575726, 2017, G Tordoff.
- 59.1. *Gymnocolea inflata*. 6:** on sparsely vegetated colliery spoil on north face of old tip, 80 m alt., Midsomer Norton, ST67065440, 2017, A Branson & SL Pilkington.
- 60.4. *Barbilophozia atlantica*. 75:** on stone of disused sheepfold, 418 m alt., Afton Reservoir, NS63950354, 2017, RT Whytock; **110:** dry bryophyte-covered boulder at base of crag near shore, Creag na Cuilce, near Ranish, Lewis, NB39762574, 2017, T ap Rheinallt 110/17/37.
- 60.6. *Barbilophozia hatcheri*. 75:** 280 m alt., Loudoun Hill, NE side near top, NS60923793, 2017, RT Whytock.
- 60.7. *Barbilophozia lycopodioides*. 87:** in mossy crevice on mountain slope with large boulders, 680 m alt., east slope of Beinn Tulaichean, NN42141949, 2017, DG Long 44855 (E).
- 65.4. *Tritomaria polita*. 86:** in flush on steep N-facing slope with *Oncophorus virens*, 850 m alt., Coire a'Bhathaich, Ben Lomond, NN369028, 2017, GP Rothero 2017034.
- 66.2. *Lophozia ventricosa*. 61:** on moist peaty soil near edge of pond on lowland heath, 10 m alt., Skipwith Common, east side of Horseshoe Pond, SE66193718, 2017, TL Blockeel 46/452.
- 66.3. *Lophozia longiflora*. 106:** rotten log in native pinewood, Amat Forest, NH46558926, 2017, DA Callaghan, *sensu* Paton.
- 66.6. *Lophozia excisa*. 10:** thin sandy/gravelly soil on covered reservoir within dry heath, 110 m alt., Headon Warren, SZ31388585, 2017, JA Norton.
- 66.10. *Lophozia capitata*. 56:** on wet sandy surface below building heather, Rufford Colliery heathland, SK58886017, 2017, M Crittenden.
- 66.12. *Lophozia opacifolia*. 86:** on wet mossy rocks in block scree on steep rocky slope, 730 m alt., Coire a'Bhathaich, Ben Lomond, NN37270288, 2017, DG Long 44901 (E).
- 67.3. *Diplophyllum obtusifolium*. 42:** on crumbling bank by track, Craig y Cilau, 2017, GS Motley; **74:** on clearfell, 247 m alt., White Hill, south of Barrhill, NX27117326, 2017, RT Whytock.
- 69.3. *Scapania calcicola*. 86:** on ledge of base-rich crag, 850 m alt., Coire a'Bhathaich, Ben Lomond, NN369028, 2017, GP Rothero 2017036.
- 69.4. *Scapania cuspiduligera*. 87:** on soil below crag on calcareous slopes, 605 m alt., east slope of Meall an Lochain, Kirkton Glen, Balquidder, NN51502390, 2017, DG Long 44861 (E).
- 69.11. *Scapania nemorea*. H21:** on moist shaded boulder in wooded glen with abundant *Plagiochila porelloides*, 100 m alt., Dingle Glen, O21622248, 2017, JL Denyer (DBN).

- 69.14. *Scapania paludicola*. 80:** marshy side of loch, 320 m alt., Girnwood Loch, Borthwick Water, NT364122, 1976, RWM Corner, *conf.* DG Long (E).
- 69.17. *Scapania uliginosa*. 86:** in rocky flush on steep grassy slope, 695 m alt., Coire a'Bhathaich, Ben Lomond, NN37330306, 2017, DG Long 44900 (E).
- 74.4. *Calypogeia neesiana*. 87:** in wet hollow amongst *Calluna* on open raised bog, 20 m alt., Flanders Moss near Ballangrew, NS62369814, 2017, DG Long 44915 (E).
- 75.7. *Leiocolea badensis*. 11:** bare chalk on quarry floor, 40 m alt., Yew Hill Quarry, King's Somborne, SU35043195, 2017, JA Norton B1559; **47:** on a wet cliff, Cwm Calch, SN907985, 2017, M Lawley.
- 77.1. *Eremonotus myriocarpus*. 87:** growing amongst *Gymnostomum aeruginosum* in a rock crevice, Beinn Each, NN6015, 2017, M Lawley.
- 82.1. *Harpanthus flotovianus*. 87:** at edge of flush draining into small burn, 670 m alt., E slope of Beinn Tulaichean, S of Creag nan Sputan, NN42161951, 2017, GP Rothero.
- 84.2. *Anthelia juratzkana*. 86:** peaty soil in crevices on steep north-facing slope, 810 m alt., Ben Lomond, NN37250283, 2017, NG Hodgetts 9361.
- 85.2. *Gymnomitrium obtusum*. 42:** at base of cliff above grassy turf of ledge, 710 m alt., Graig Fan Ddu north, SO01401941, 2017, GS Motley & K Wilkinson.
- 85.4. *Gymnomitrium crenulatum*. 86:** on vertical rock outcrop on steep grassy slope, 690 m alt., Coire a'Bhathaich, Ben Lomond, NN37430306, 2017, DG Long 44899 (E).
- 86.1.b. *Marsupella emarginata* var. *aquatica*. 87:** on wet rock by river, Ballimore, NN5217, 2017, RL Hodd.
- 86.13. *Marsupella alpina*. 86:** on vertical

rock face, 654 m alt., Ben Lomond, Coire a'Bhathaich, NN37430307, 2017, RT Whytock.

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