



Wyre Forest Study Group

BRITISH BRYOLOGICAL SOCIETY'S VISIT TO THE WYRE FOREST - 2 APRIL 2004

Tessa Carrick

This year the British Bryological Society (BBS) held its Spring field week in Worcestershire, based in Malvern. One day was devoted to the Wyre Forest. The attendance during the BBS Spring meeting was extremely pleasing and over 40 people were present on the Wyre day.

The bryophytes (mosses and liverworts) of Worcestershire have been under-recorded in the past, unjustly neglected since the days of J.B. Duncan in the first quarter of the 20th century (see, for instance, Duncan, 1911). During the seventies and early eighties Richard Fisk was actively recording in the county and David Holyoak spent a year in the county in the early 90s. The planning team for the Spring meeting consisted of Tessa Carrick, Harry Green, Lorna Fraser, Ann Hill, Mark Lawley, Joy Ricketts and Rosemary Winnall. We had many pleasurable outings during the two years prior to the meeting, selecting sites for the BBS visits, even scrambling through woodland the day after a violent storm. The Wyre Forest sites were seen in every kind of weather, including snow fall one dark wintry day.

On our preparatory hunts several species were added to the records for Wyre, particularly *Leucobryum juniperoideum* (new) and *Sphagnum inundatum* (a debracketed species, i.e. a record for a species that has not been recorded since 1950) in Great Bog and *Didymodon spadiceus* and *Fissidens osmundoides* (both new) from Hitterhill, all identified by Mark Lawley. During the BBS visit at least three new species (*Porella cordaeana* with rare male plants, *Sphagnum capillifolium* along the railway cutting and *Bryum bornholmense* in the Hitterhill valley) and one de-bracketed record (*Entosthodon obtusus* from Great Bog) were added for Worcestershire (Vice-County (VC) 37) and two new (*Henediella stanfordensis* and *Zygodon rupestris*) and two debracketings (*Orthotrichum sprucei* and *Orthotrichum stramineum*), all from the Seckley region, for Staffordshire (VC39).

The Wyre Forest Day

The 3000 hectares comprising the Wyre Forest are situated partly in Worcestershire (VC 37) and partly in Shropshire (VC40) with a small section in Staffordshire (VC39). Very little attention has been given to the bryophytes although the BBS made a brief visit during the 1959 Birmingham BBS meeting (Paton, 1960). Some work has been done by a University of Birmingham Extramural group (Green and Clarke, 1962) although their records are not recorded in the current Census Catalogue (Blockeel and Long, 1998), *Sphagnum quinquefarium*, for instance, remaining bracketed. Hawksworth and Rose (1969) also refer to bryophytes of Wyre.

As the more interesting bryophyte sites in the Wyre Forest are mostly fairly narrow, relatively delicate valleys, it was decided to split the party into five groups, each with a different local leader. Access had been arranged with the Forestry Commission, English Nature, the Guild of St. George, and individual landowners. Most of the sites chosen had not been studied bryologically until the recess preparing for the BBS visit.

Harry Green took four of the country's leading bryologists, Mark Hill, Ron Porley, David Holyoak and Chris Preston, to **Gladder Brook** (VC37, SO786714), the steep-sided and shaded valley in Ribbesford and Areley Woods, and to the banks of the Severn nearby (SO786734). The stream is mentioned for its bryophytes in Amphlett and Ray (1909). This group of eminent bryologists debated whether they had found *Pellia neesiana* which would have been a debracketed species (one recorded only prior to 1950 and not found since). Disappointingly, when examined carefully, it turned out to be the common species *Pellia epiphylla*. However, they did find twenty-three species of liverwort including a new VC37 record - the rare male gametophyte of *Porella cordaeana*, on the lower bole of an ash tree above the Gladder, and also *Blepharostoma trichophyllum* on a small ledge (SO78267179) in sandstone rock, in the ravine above the stream. Of the sixty or so mosses, *Plagiothecium latebricola* was of particular note (SO779721). By the River Severn, Mark Hill recorded the often overlooked *Brachythecium mildeanum* which was later found at other sites within the county.

Mark Lawley took a small group to the wet area of **Hawkbatch** and to the **Skeys Wood** and **Seckley Ravine** section of the Wyre Forest and the nearby bank of the Severn (SO7677), all in VC39. Seckley Wood is frequently mentioned in Amphlett and Ray. Twenty liverwort species were found in all. At the riverside *Henediella stanfordensis* was newly recorded for VC39 and *Orthotrichum sprucei* was a debracketed species. In the ravine, *Zygodon rupestris* was a new VC39 record and *Orthotrichum stramineum* was another debracketing. A combination of difficult terrain and group enthusiasm made this group very late in returning to Malvern.

A third group went on their own to **Baveney Brook** (SO7076), part of the Wyre Forest which lies in Shropshire (VC40) and is privately owned by Messrs Brown and Butler. The BBS group parked at the Furnace Mill Fisheries and worked up the stream. They examined their finds very carefully which meant that only part of the brook was covered and it is likely that more species are yet to be found at this site. Their finds include *Trichocolea tomentella*.



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A larger party was led by Rosemary Winnall, who knows the Forest so well. This group went to **Park Brook** (SO7576, VC39), a fairly steep, wooded steam valley, with base-rich flushes, calcareous rocks, and bogs, lying in the heart of the Wyre Forest. The author of the major work on liverworts, Jean Paton, was with this group as well as David Long from the Edinburgh Botanic Gardens. Jean's presence was invaluable as 30 species of liverwort (Hepaticae) were recorded in this very rich valley. Species of hepatics included *Bazzania trilobata*, *Jungermannia pumila*, *Leiocolea turbinata*, *Lejeunea lamacerina*, *Ptilidium pulcherrimum*, *Saccogyna viticulosa*, *Scapania nemorea*, *S. undulata*, and *Trichocolea tomentella*. Among the mosses (Musci) were *Bryum pseudotriquetrum*, *B. subapiculatum*, *Eucladium verticillatum*, *Hookeria lucens*, *Leucobryum glaucum*, *L. juniperoideum*, *Trichostomum brachydontium* and *T. crispulum*.

This group went on to the **Great Bog of Wyre** (SO7476, VC37) (famous with Victorian naturalists but now of diminished quality), which is notable within Worcestershire for the presence of four species of *Sphagnum*, *S. fimbriatum*, *S. inundatum*, *S. palustre* and *S. subnitens*. Richard Fisk, who studied Worcestershire bryophytes in the 70s, (but now lives in East Anglia) found *Enthosthodon obtusus* (a debracketing) on wet clay at the edge of a track at SO 746762. The group also recorded from part of the **old railway track** at SO7576.

The final group, led by Tessa Carrick, followed a circular route along the **Hitterhill Valley** (starting at VC37, SO770763,) Lodgehill Farm, Knowles Coppice and the railway track. Dave Barnett joined the group and pointed out a damp region above the valley where two species of *Sphagnum* occurred – one is possibly *Sphagnum denticulatum*. This was not collected at the time, but during a recent re-visit some of the local bryology group collected enough to send off to have the identification confirmed. It would be a new record for VC37. Among the twenty-five recorded species of liverwort was *Bazzania trilobata* including a plant growing on rhododendron. Other liverworts included *Barbilophozia attenuate*, *Calypogeia muellerina*, *Jungermannia pumila*, *J. gracillima*, *Lejeunea lamacerina*, *Lepidozia reptans*, *Nowellia curvifolia*, *Riccardia chamaedryfolia*, *Saccogyna viticilosa*, *Scapania nemorea* and *S. undulata*. The mosses included a new record for VC37, *Bryum*

bornholmense, found by Rod Stern from south-east England, on soil in an open area at SO765765. Both species of *Leucobryum* were identified and *Platygyrium repens* was recorded as well as *Bryum microerythrocarpum*, *Fissidens cristatus* and plenty of fruiting *Hookeria lucens*. Sam Bosanquet (of Countryside in Wales) and Mark Pool (Membership Secretary from Devon) both thought this a likely site for *Fissidens celticus*, which has not been recorded in VC37, but despite intensive searching they did not find it.

Nothing outstanding was recorded from the anthills and bridge at **Lodge Hill Farm** (SO7576, VC37), but there was more of interest on the Worcestershire Wildlife Trust reserve **Knowles Coppice** (SO7576, VC37), where a few of the more agile clambered down the very steep slope to the bank of the Dowles Brook. Here were more *Bazzania trilobata*, *Calypogeia muellerina*, *Lepidozia reptans*, *Saccogyna viticilosa* and *Scapania undulata* and also *Jungermannia atrovirens* along with mosses *Eucladium verticillatum*, *Hookeria lucens* and *Neckera crispa*. A little further along the circuit, on the banks of the **old railway** route, in a wet flush, Sam Bosanquet and Mark Pool found *Sphagnum capillifolium* (a new VC record) and also possibly *S. quinquefarium* (which would be a debracketing if confirmed) in addition to the more usual *S. fimbriatum* and *S. subnitens*, all at SO761765.

At the end of the day everyone seemed most pleased with their explorations. Splitting the group had worked well and resulted in a much better coverage of some more interesting parts of the Wyre Forest. The weather had been pleasant, generally, although the Park Brook group experienced a hailstorm. People returned with plenty of packets and bubbling with enthusiasm, if a little tired and bedraggled.

Acknowledgements

The local team was helped throughout by Mark Lawley and by Rosemary Winnall in the Wyre Forest. Thanks go to all who allowed us access to their land in Wyre Forest, English Nature, the Forestry Commission (Phil Rudlin), the Guild of St. George (Cedric Quayle), Baveney Brook area (Mr. Ed. Brown and Mr. Butler), and David Reynolds-Lacy (Areley Woods). Tim Dixon and Simon Walker of English Nature arranged permits to visit Wyre Forest.

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Dicranum scoparium

Rosemary Winnall



Rhytidiadelphus loreus

Rosemary Winnall



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Species of Bryophytes found in Wyre Forest by the British Bryological Society on 2 April 2004

Tessa Carrick

Columns: **A**= Baveney Brook; **B**= Dowles Brook; **C**= Gladder Brook; **D**= Great Bog;
E= Hawksbatch; **F**= Hitterhill; **G**= Knowles Coppice; **H**= Lodge Hill Farm area;
I= Park Brook; **J**= Railway near Park Brook; **K**= Railway near Knowles Coppice;
L= Seckley Ravine; **M**= River Severn near Ribbesford. **P**= Present.

Liverworts		A	B	C	D	E	F	G	H	I	J	K	L	M
<i>Aneura pinguis</i>	Greasewort		P		P					P				
<i>Barbilophozia attenuata</i>	Trunk Pawwort						P							
<i>Bazzania trilobata</i>	Greater Whipwort						P	P		P				
<i>Blepharostoma trichophyllum</i>	Hairy Threadwort			P										
<i>Calypogeia arguta</i>	Notched Pouchwort	P	P	P			P	P		P			P	
<i>Calypogeia fissa</i>	Common Pouchwort		P	P	P		P	P		P	P			
<i>Calypogeia muelleriana</i>	Mueller's Pouchwort	P					P	P						
<i>Cephalozia bicuspidata</i>	Two-horned Pincerwort		P		P		P			P			P	
<i>Cephaloziella divaricata</i>	Common Threadwort			P										
<i>Chiloscyphus pallescens</i>	St Winifrid's Other Moss						P							
<i>Chiloscyphus polyanthos</i>	St Winifrid's Moss			P			P	P		P			P	
<i>Conocephalum conicum</i>	Great Scented Liverwort	P		P			P	P		P			P	P
<i>Diplophyllum albicans</i>	White Earwort		P	P	P		P	P		P	P		P	
<i>Fossombronina pusilla</i>	Common Frillwort		P											
<i>Frullania dilatata</i>	Dilated Scalewort			P						P		P		
<i>Frullania tamarisci</i>	Tamarisk Scalewort									P				
<i>Jungermannia atrovirens</i>	Dark-green Flapwort							P		P			P	
<i>Jungermannia gracillima</i>	Crenulated Flapwort						P							
<i>Jungermannia pumila</i>	Dwarf Flapwort						P			P				
<i>Leiocolea turbinata</i>	Top Notchwort									P				
<i>Lejeunea cavifolia</i>	Micheli's Least Pouncewort									P				
<i>Lejeunea lamacerina</i>	Western Pouncewort			P			P			P			P	
<i>Lepidozia reptans</i>	Creeping Fingerwort	P	P	P			P	P		P	P	P	P	
<i>Lophocolea bidentata</i>	Bifid Crestwort	P	P	P	P		P			P	P	P	P	
<i>Lophocolea heterophylla</i>	Variable-leaved Crestwort	P		P			P	P		P	P		P	
<i>Lophozia ventricosa</i>	Tumid Notchwort									P				
<i>Lunularia cruciata</i>	Crescent-cup Liverwort	P		P				P					P	P
<i>Metzgeria conjugata</i>	Rock Veilwort			P						P				
<i>Metzgeria furcata</i>	Forked Veilwort	P	P	P				P					P	P
<i>Metzgeria temperata</i>	Whiskered Veilwort			P										
<i>Nowellia curvifolia</i>	Wood-rust		P				P							
<i>Pellia endiviifolia</i>	Endive Pellia		P	P			P	P		P			P	
<i>Pellia epiphylla</i>	Overleaf Pellia	P		P	P		P			P			P	
<i>Plagiochila asplenioides</i>	Greater Featherwort		P	P			P	P		P		P	P	
<i>Plagiochila britannica</i>	British Featherwort		P											
<i>Plagiochila porelloides</i>	Lesser Featherwort	P		P			P	P		P		P	P	
<i>Porella cordaeana</i>	Cliff Scalewort			P										
<i>Ptilidium pulcherrimum</i>	Tree Fringewort									P	P			
<i>Radula complanata</i>	Even Scalewort			P						P			P	
<i>Riccardia chamedryfolia</i>	Jagged Germanderwort						P							
<i>Riccardia multifida</i>	Delicate Germanderwort				P									
<i>Saccogyna viticulosa</i>	Straggling Pouchwort						P	P		P			P	
<i>Scapania irrigua</i>	Heath Earwort												P	
<i>Scapania nemorea</i>	Grove Earwort						P			P				
<i>Scapania undulata</i>	Water Earwort		P				P	P		P			P	
<i>Trichocolea tomentella</i>	Handsome Woollywort	P			P					P				



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Mosses		A	B	C	D	E	F	G	H	I	J	K	L	M
<i>Amblystegium fluviatile</i>	Brook-side Feather-moss												P	
<i>Amblystegium serpens</i>	Creeping Feather-moss			P									P	
<i>Amblystegium tenax</i>	Fountain Feather-moss	P		P			P	P					P	
<i>Anomodon viticulosus</i>	Rambling Tail-moss			P										
<i>Atrichum undulatum</i>	Common Smoothcap	P		P			P			P			P	
<i>Aulacomnium androgynum</i>	Bud-headed Groove-moss	P		P			P	P	P					
<i>Aulacomnium palustre</i>	Bog Groove-moss					P						P		
<i>Barbula convoluta</i>	Lesser Bird's-claw Beard-moss			P					P		P		P	P
<i>Barbula unguiculata</i>	Bird's-claw Beard-moss	P							P		P	P		P
<i>Brachythecium albicans</i>	Whitish Feather-moss													P
<i>Brachythecium mildeanum</i>	Sand Feather-moss													P
<i>Brachythecium plumosum</i>	Rusty Feather-moss						P			P			P	
<i>Brachythecium populeum</i>	Matted Feather-moss						P			P				
<i>Brachythecium rivulare</i>	River Feather-moss	P	P	P	P		P	P		P			P	P
<i>Brachythecium rutabulum</i>	Rough-stalked Feather-moss	P		P	P		P		P	P	P	P	P	P
<i>Bryoerythrophyllum recurvirostrum</i>	Red Beard-moss		P											
<i>Bryum argenteum</i>	Silver-moss						P		P			P		P
<i>Bryum bicolor</i>	Bicoloured Bryum				P		P				P	P	P	P
<i>Bryum bornholmense</i>	Potato Bryum						P							
<i>Bryum capillare</i>	Capillary Thread-moss						P		P	P		P	P	P
<i>Bryum pseudotriquetrum</i>	Marsh Bryum									P				
<i>Bryum rubens</i>	Crimson-tuber Thread-moss		P				P		P					P
<i>Bryum ruderales</i>	Pea Bryum								P					
<i>Bryum subapiculatum</i>	Lesser Potato Bryum						P			P				
<i>Calliergonella cuspidata</i>	Pointed Spear-moss	P		P	P		P		P	P	P	P	P	
<i>Campylium stellatum var. stellatum</i>	Yellow Starry Feather-moss									P				
<i>Campylopus flexuosus</i>	Rusty Swan-neck Moss						P			P			P	
<i>Campylopus introflexus</i>	Heath Star Moss			P	P		P			P			P	
<i>Campylopus pyriformis</i>	Dwarf Swan-neck Moss				P		P						P	
<i>Ceratodon purpureus</i>	Redshank						P		P		P	P	P	P
<i>Cinclidotus fontinaloides</i>	Smaller Lattice Moss													P
<i>Cirriphyllum piliferum</i>	Hair-pointed Feather-moss			P	P		P	P						
<i>Cratoneuron filicinum</i>	Fern-leaved Hook-moss						P	P		P	P		P	
<i>Ctenidium molluscum</i>	Chalk Comb-moss		P	P	P		P	P		P			P	
<i>Dichodontium pellucidum</i>	Transparent Fork-moss			P			P	P		P			P	
<i>Dicranella heteromalla</i>	Silky Forklet-moss		P	P			P	P		P		P	P	
<i>Dicranella schreberiana</i>	Schreber's Forklet-moss		P											
<i>Dicranella varia</i>	Variable Forklet-moss		P		P								P	P
<i>Dicranoweisia cirrata</i>	Common Pincushion	P	P	P			P	P	P	P	P		P	P
<i>Dicranum bonjeanii</i>	Crisped Fork-moss				P									
<i>Dicranum majus</i>	Greater Fork-moss		P		P		P	P		P			P	
<i>Dicranum montanum</i>	Mountain Fork-moss			P			P	P		P				
<i>Dicranum scoparium</i>	Broom Fork-moss	P	P	P	P		P	P	P	P	P	P	P	
<i>Dicranum tauricum</i>	Fragile Fork-moss	P			P		P						P	
<i>Didymodon fallax</i>	Fallacious Beard-moss						P					P		P
<i>Didymodon insulanus</i>	Cylindric Beard-moss			P			P				P	P	P	P
<i>Didymodon nicholsonii</i>	Nicholson's Beard-moss													P
<i>Didymodon rigidulus</i>	Rigid Beard-moss													P
<i>Didymodon sinuosus</i>	Wavy Beard-moss			P										P
<i>Didymodon tophaceus</i>	Olive Beard-moss						P							
<i>Ditrichum cylindricum</i>	Cylindric Ditrichum													P
<i>Drepanocladus aduncus</i>	Kneiff's Hook-moss					P								
<i>Entosthodon obtusus</i>	Blunt Cord-moss				P									
<i>Eucladium verticillatum</i>	Whorled Tufa-moss							P		P			P	
<i>Eurhynchium crassinervium</i>	Beech Feather-moss													P



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		A	B	C	D	E	F	G	H	I	J	K	L	M
<i>Eurhynchium hians</i>	Swartz's Feather-moss	P		P			P	P			P		P	P
<i>Eurhynchium praelongum</i>	Common Feather-moss	P	P	P			P	P			P		P	
<i>Eurhynchium schleicheri</i>	Twist-tip Feather-moss		P											
<i>Eurhynchium striatum</i>	Common Striated Feather-moss	P	P	P	P		P	P		P	P	P	P	
<i>Fissidens adianthoides</i>	Maidenhair Pocket-moss						P			P			P	
<i>Fissidens bryoides</i>	Lesser Pocket-moss	P		P			P			P			P	
<i>Fissidens crassipes</i>	Fatfoot Pocket-moss												P	
<i>Fissidens dubius</i>	Rock Pocket-moss			P			P	P					P	
<i>Fissidens taxifolius</i>	Common Pocket-moss	P	P	P	P		P	P	P	P		P	P	
<i>Fissidens viridulus</i>	Green Pocket-moss						P			P			P	
<i>Fontinalis antipyretica</i>	Greater Water-moss												P	
<i>Funaria hygrometrica</i>	Common Cord-moss		P			P	P				P	P		P
<i>Grimmia pulvinata</i>	Grey-cushioned Grimmia								P				P	
<i>Henediella stanfordensis</i>	Stanford Screw-moss												P	
<i>Heterocladium heteropterum</i>	Wry-leaved Tamarisk-moss												P	
<i>Heterocladium heteropterum</i> var. <i>flaccidum</i>	Slender Tamarisk-moss									P				
<i>Homalia trichomanoides</i>	Blunt Feather-moss							P		P			P	
<i>Hookeria lucens</i>	Shining Hookeria	P	P	P			P	P		P			P	
<i>Hylocomium splendens</i>	Glittering Wood-moss								P					
<i>Hypnum andoi</i>	Mamillate Plait-moss	P					P		P					
<i>Hypnum cupressiforme</i>	Cypress-leaved Plait-moss	P		P			P	P		P	P	P	P	
<i>Hypnum jutlandicum</i>	Heath Plait-moss		P	P	P		P			P			P	
<i>Hypnum lindbergii</i>	Lindberg's Plait-moss										P			
<i>Hypnum resupinatum</i>	Supine Plait-moss			P			P	P	P				P	
<i>Isoetecium alopecuroides</i>	Larger Mouse-tail Moss		P	P			P	P		P				
<i>Isoetecium myosuroides</i>	Slender Mouse-tail Moss	P	P	P			P	P		P				
<i>Leptodictyum riparium</i>	Kneiff's Feather-moss			P			P							
<i>Leskea polycarpa</i>	Many-fruited Leskea												P	P
<i>Leucobryum glaucum</i>	Large White-moss				P		P			P				
<i>Leucobryum juniperoideum</i>	Smaller White-moss						P			P				
<i>Mnium hornum</i>	Swan's-neck Thyme-moss	P	P	P	P		P	P	P	P	P	P	P	
<i>Mnium marginatum</i>	Bordered Thyme-moss													P
<i>Mnium stellare</i>	Starry Thyme-moss			P										
<i>Neckera crispa</i>	Crisped Neckera							P		P			P	
<i>Orthodontium lineare</i>	Cape Thread-moss	P	P	P			P	P		P			P	
<i>Orthotrichum affine</i>	Wood Bristle-moss	P		P			P	P				P	P	P
<i>Orthotrichum diaphanum</i>	White-tipped Bristle-moss			P			P						P	P
<i>Orthotrichum pulchellum</i>	Elegant Bristle-moss			P										
<i>Orthotrichum rivulare</i>	River Bristle-moss												P	P
<i>Orthotrichum sprucei</i>	Spruce's Bristle-moss												P	P
<i>Orthotrichum stramineum</i>	Straw Bristle-moss		P	P									P	
<i>Palustriella commutata</i>	Curled Hook-moss				P		P			P			P	
<i>Plagiomnium affine</i>	Many-fruited Thyme-moss								P					P
<i>Plagiomnium undulatum</i>	Hart's-tongue Thyme-moss			P			P	P		P		P	P	
<i>Plagiothecium curvifolium</i>	Curved Silk-moss						P							
<i>Plagiothecium denticulatum</i>	Dented Silk-moss			P	P		P			P				
<i>Plagiothecium laetum</i>	Bright Silk-moss			P										
<i>Plagiothecium latebricola</i>	Alder Silk-moss			P										
<i>Plagiothecium nemorale</i>	Woodsy Silk-moss			P			P			P			P	
<i>Plagiothecium succulentum</i>	Juicy Silk-moss			P										
<i>Plagiothecium undulatum</i>	Waved Silk-moss					P	P	P		P				
<i>Platygyrium repens</i>	Flat-brocade Moss						P							
<i>Pleuridium acuminatum</i>	Taper-leaved Earth-moss		P				P			P				
<i>Pleuridium subulatum</i>	Awl-leaved Earth-moss						P							P
<i>Pleurozium schreberi</i>	Red-stemmed Feather-moss						P		P			P		



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		A	B	C	D	E	F	G	H	I	J	K	L	M
<i>Pogonatum aloides</i>	Aloe Haircap			P						P	P			
<i>Pohlia melanodon</i>	Pink-fruited Thread-moss			P						P				P
<i>Pohlia nutans</i>	Nodding Thread-moss						P							
<i>Pohlia wahlenbergii</i>	Pale Glaucaous Thread-moss						P					P	P	
<i>Polytrichum commune</i>	Common Haircap					P						P		
<i>Polytrichum formosum</i>	Bank Haircap	P	P		P		P		P	P	P		P	
<i>Polytrichum juniperinum</i>	Juniper Haircap			P					P		P			
<i>Polytrichum longisetum</i>	Slender Haircap						P							
<i>Polytrichum piliferum</i>	Bristly Haircap								P					
<i>Pseudocrossidium hornschuchianum</i>	Hornschuch's Beard-moss													P
<i>Pseudotaxiphyllum elegans</i>	Elegant Silk-moss			P			P	P		P				P
<i>Rhizomnium punctatum</i>	Dotted Thyme-moss	P	P	P			P	P		P				P
<i>Rhynchostegiella teneriffae</i>	Teesdale Feather-moss			P				P		P				P
<i>Rhynchostegium confertum</i>	Clustered Feather-moss			P										P
<i>Rhynchostegium riparioides</i>	Long-beaked Water Feather-moss			P			P	P		P				P
<i>Rhytidiadelphus loreus</i>	Little Shaggy-moss	P	P				P			P				P
<i>Rhytidiadelphus squarrosus</i>	Springy Turf-moss			P			P		P		P	P	P	
<i>Rhytidiadelphus triquetrus</i>	Big Shaggy-moss		P											
<i>Schistidium apocarpum</i>	Sessile Grimmia													P
<i>Schistidium crassipilum</i>	Thickpoint Grimmia								P					P
<i>Scleropodium cespitans</i>	Tufted Feather-moss			P										
<i>Scleropodium purum</i>	Neat Feather-moss		P	P	P		P	P	P		P			P
<i>Sphagnum capillifolium</i>	Red Bog-moss												P	
<i>Sphagnum denticulatum</i>	Cow-horn Bog-moss						P							
<i>Sphagnum fimbriatum</i>	Fringed Bog-moss				P	P							P	
<i>Sphagnum girgensohnii</i>	Girgensohn's Bog-moss					P								
<i>Sphagnum inundatum</i>	Lesser Cow-horn Bog-moss				P									
<i>Sphagnum palustre</i>	Blunt-leaved Bog-moss				P									
<i>Sphagnum squarrosus</i>	Spiky Bog-moss						P							
<i>Sphagnum subnitens</i>	Lustrous Bog-moss				P								P	
<i>Syntrichia intermedia</i>	Intermediate Screw-moss								P					
<i>Syntrichia laevipila</i>	Small Hairy Screw-moss													P
<i>Syntrichia latifolia</i>	Water Screw-moss												P	P
<i>Taxiphyllum wissgrillii</i>	Depressed Feather-moss			P										
<i>Tetraphis pellucida</i>	Pellucid Four-tooth Moss	P		P	P		P	P		P				P
<i>Thamnobryum alopecurum</i>	Fox-tail Feather-moss	P		P			P	P		P				P
<i>Thuidium recognitum</i>	Lesser Tamarisk-moss									P				
<i>Thuidium tamariscinum</i>	Common Tamarisk-moss	P	P	P	P		P	P	P				P	P
<i>Tortula muralis</i>	Wall Screw-moss													P
<i>Tortula truncata</i>	Common Pottia								P					
<i>Trichostomum brachydontium</i>	Variable Crisp-moss							P		P				
<i>Trichostomum crispulum</i>	Curly Crisp-moss									P				
<i>Ulota bruchii</i>	Bruch's Pincushion	P		P			P			P	P			
<i>Ulota crispa</i>	Crisped Pincushion			P								P	P	
<i>Weissia controversa</i>	Green-tufted Stubble-moss							P		P		P	P	
<i>Zygodon rupestris</i>	Park Yoke-moss													P