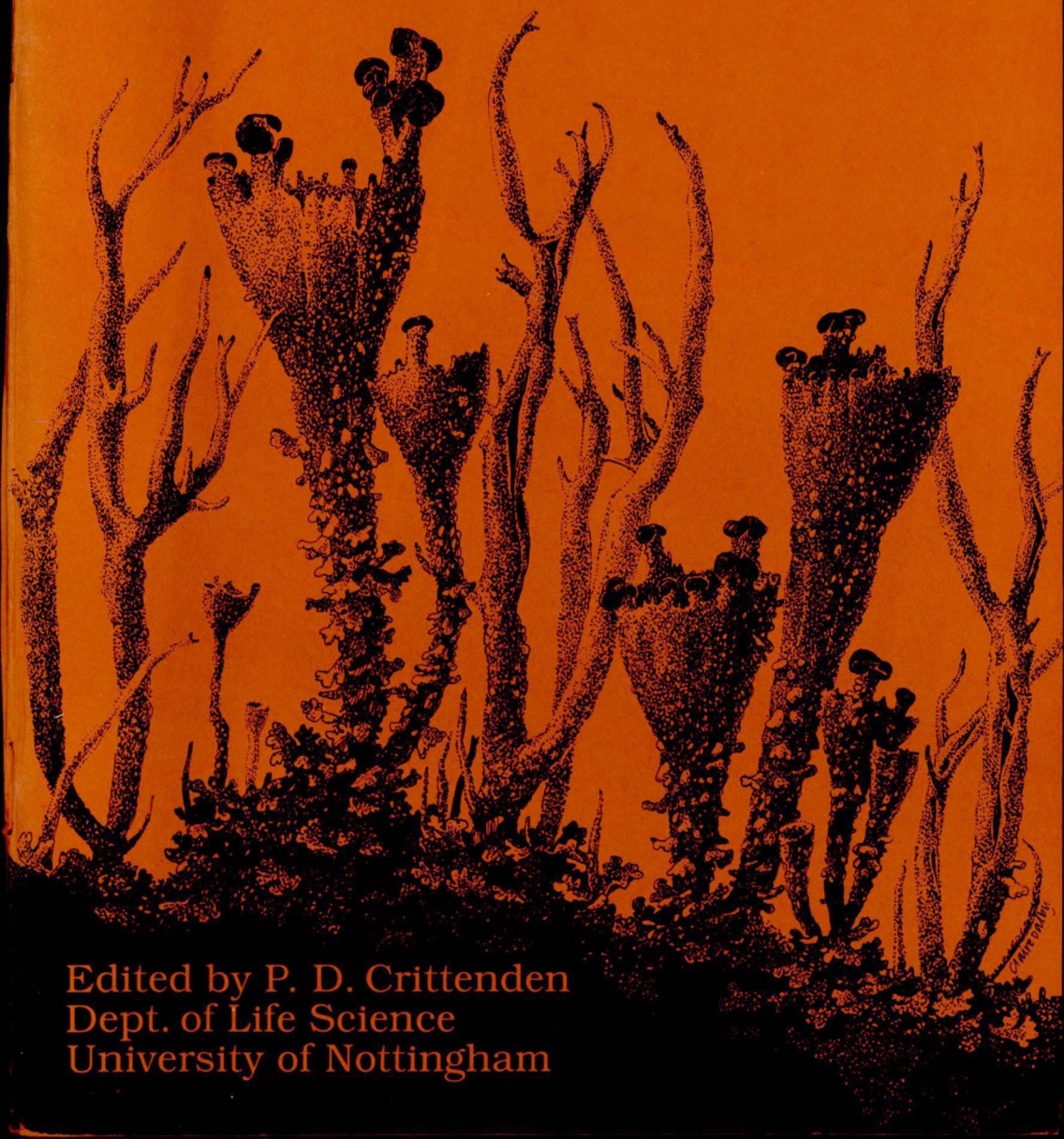


# BRITISH LICHEN SOCIETY BULLETIN

## No. 78 Summer 1996

+ key to non-yellow species of *Rhizocarpon*



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## NEW, RARE AND INTERESTING BRITISH LICHEN AND LICHENICOLOUS FUNGUS RECORDS

(Contributions to this section are always welcome. Please submit entries to Chris Hitch, The Whin, Wadd Lane, Snape, Saxmundham, Suffolk IP17 1QY, in the form of species, habitat, locality, VC no, VC name, Grid Reference (GR), altitude, where applicable, in metres (m), date, comments and recorder. An authority with date after species in only included when the record is new to the British Isles. *In the interests of accuracy, typescript is much appreciated. Please use only one side of the paper.*)

*Acarospora veronensis*: several thalli on top of sandstone chest tomb, Winterbourne churchyard near Bristol, VC 34, West Gloucester, GR31/64-81-, June 1995. Very few records outside of NW Wales. Determined O W Purvis.

M J Simms

*Arctomia delicatula*: on mossy trunk of *Fraxinus* on NW-facing slope, near Kilblaen, Glen Shira, Inverary, VC 98, Main Argyll, GR 27/12-13-, 1996. Fourth British record.

B J & A M Coppins

*Arthothelium ruanum*: on *Corylus* twigs, Cwm Llyfnant, VC 46, Cardigan, GR 22/73-97-, alt 90m, 1994. Confirmed B J Coppins & F Rose. New to Cardigan.

S P Chambers

*Bryoria capillaris*: on bole of mature *Quercus* near River Derwent, VC 66, Durham, GR 35/94-49-, alt 300m, February 1992. Confirmed D L Hawksworth who suspects that the bark may be acidified. New to north-east England.

D E McCutcheon

*Caloplaca granulosa*: on east face of marble cross close to seaward boundary of Llanbadrig churchyard, GR 23/37-94-, VC 52, Anglesey, June 1995 (BLS Summer Field Meeting). Possibly first churchyard record.

T W Chester *et al*

*Caloplaca ruderum*: on mortar on south wall of Llanelilian church, GR 23/46-92-, VC 52, Anglesey, June 1995 (BLS Summer Field Meeting). An unusual westerly location. Confirmed J R Laundon.

T W Chester *et al*

*Candelariella reflexa*: growing with *Bacidia caligans*, *Catillaria chalybeia* and *Lecania erysibe* on wooden palings affected by dust from nearby cement works, Claydon, VC 25, East Suffolk, GR 62/13-49-, November 1995. Also found fertile on *Salix* in adjacent carr.

P M Earland-Bennett & C J B Hitch

*Carbonea assimilis*: on steeply sloping, SW-facing basaltic rocks, Traprain Law, VC 82, East Lothian, GR 36/57-74-, alt 125 m, 1996. Second British record, new to southern Scotland.

B J Coppins & A M Fryday

*Catapyrenium squamulosum*: on thallus of *Collema fuscovirens* on low, marblecoped tomb dated 1911, Southwick churchyard, VC 32, Northampton, GR 52/02-92-, October 1995. New to vice-county. Confirmed P W James.

T W Chester

*Cetraria chlorophylla*: on crags of Old Red Sandstone conglomerate near summit of Seefin, Galty Mountains, VC H7, South Tipperary, GR 11/89-19-, July 1994. New to Munster but greatly under-recorded in Ireland.

M J Simms

*Chaenotheca brachypoda*: on underside of inclined *Fraxinus* at edge of wood, Cockfield Hall, Yoxford, VC 25, East Suffolk, GR 62/39-69-, March 1996. This species is by far the commonest member of the *Caliciales* in East Suffolk, and although most commonly found on *Sambucus*, it is also known from *Salix* and *Ulmus*.

P M Earland-Bennett & C J B Hitch

*Chrysothrix flavovirens*: abundant on *Pinus* by the sea, Pleinmont, Torteval, Guernsey, UTM Grid Ref WV/2—7—, 2 September 1994. Rhizocarpic acid and chrysophthalma unknown present (TLC No 3263). Distinguished by its vivid yellow-green sorediate thallus. Sterile. New to the Channel Islands.

J R Laundon

*Cladonia arbuscula* subsp. *arbuscula* (Wallr.) Flot. (1839): on old dunes and heathland, Barry Links, Carnoustie, VC 90, Angus, GR 37/5—3—, 1995. New to the British Isles. This taxon contains psoromic acid (PD+ deep yellow) rather than fumarprotocetraric acid (PD+ yellow to red), which is characteristic of the common (in western Europe) subsp. *squarrosa*. It was found at three places at Barry Links, together with the subsp. *squarrosa* and *C. mitis*.



B J & A M Coppins

*Cladonia cyathomorpha*: in shelter of rock on talus slope, Bench Vird, 2 km ENE of Vidlin, Lunnasting, Mainland, VC 112, Shetland, GR N41/49-66-, August 1992. Determined D H Dalby, confirmed B J Coppins. New to Shetland.

D H Dalby

*Cladonia polydactyla* var. *umbricola*: on litter of deep *Calluna* on wet moor, Mickel Fell, VC 65, North-West York, GR 35/82-26-, alt 580m, August 1993. Determined B J Coppins. New to Yorkshire.

D E McCutcheon.

*Cladonia symphycarpa*: on unstable earth on eroding soil terraces on sea banks, South Sound, Nibon, Northmavine, Mainland, VC 112, Shetland, GR N41/30-72-, August 1995. Determined D H Dalby, confirmed O W Purvis. New to Shetland.

D H Dalby

*Collema limosum*: on damp clay soil below sea-defence gabions, Llanina Point, VC 46, Cardigan, GR 22/40-59-, 1992. Confirmed A Orange. New to Cardigan.

S P Chambers

*Collema limosum*: growing with *Thelidium zwackhii* on disturbed soil at site of old Butlins Holiday Camp, Clacton-on-Sea, VC 19, North Essex, GR 62/16-13-, April 1995.

P M Earland-Bennett

*Gyalecta truncigena*: growing with *Leproloma vouauxii* on mortar of church wall, Cold Overton, VC 55, Rutland, GR 43/81-10-, June 1995. An unusual second saxicolous record for this normally corticolous species. Determined B J Coppins.

P M Earland-Bennett & C J B Hitch

*Gyalidea subscutellaris*: around broken wheel-pit, Welsh Foxdale mine, Gwydyr Forest, VC 49, Caernarvon, GR 23/76-59-, alt 220m, 1994.

S P Chambers

*Lecanactis latebrarum*: on a damp shaded underhang of the West Water, VC 90, Forfar, GR 37/51-70-, February 1996.

R C Munro

*Lecania atrynoides*: on west wall of Llanelian church, GR 23/46-92-, VC 52,

Anglesey, June 1995 (BLS Summer Field Meeting). Possibly first churchyard record. Determined B J Coppins

T W Chester *et al*

*Lecanora achariana*: an extensive population on tops of low rocks in small lochan and pools, and also on side of boulder in fast flowing stream, Gleann na Sguaib, Beinn Dearg, Ullapool, VC 105, West Ross, GR 18/24-5-82- alt 575-725 m, August 1995. New to Scotland.

A M Fryday

*Lecanora agardhiana*: locally frequent on SW-facing limestone, Little Ormes Head. VC 50, Denbigh, GR 23/81-82-, alt 50m, 1994. Determined A M Fryday.

S P Chambers

*Lecanora pruinosa*: abundant on plinth of war memorial, with thalli present on several other gravestones and on south wall of the church, Stanton, VC 33, East Gloucester, GR 42/06-34-, September 1995. This species appears very substratum-specific, being confined to surfaces on the local Middle Jurassic oolite and absent from gravestones of Portland oolite or Lower Lias limestone which otherwise are of similar age and aspect.

M J Simms

*Lecanora pruinosa*. (i) On limestone string course and chamfered plinth on south wall of Aldwincle church, VC 32, Northampton, GR 52/00-81-. (ii) On limestone and mortar on north, south and east walls of Woodnewton church, VC 32, Northampton, GR 52/03-94-. The most North-easterly station in the British Isles so far. (iii) On limestone on north and west walls of Pewsey church; also, surprisingly, on what appears to be a sarsen stone set in the south wall of the church, VC 8, South Wilts, GR 41/16-59-. All records October 1995.

T W Chester

*Lecidea ahlesii*: on lip of small waterfall in ravine woodland, Cwm Wyre. VC 46 Cardigan, GR 22/58-70-, alt 100m, 1995. Confirmed A M Fryday.

S P Chambers

*Lecidea hypopta*: with *Hypocenomyce caradocensis* and *Micarea melaena* on flaking bark of old *Larix*, Caer Meirch, VC 46, Cardigan, GR 22/75-73-, alt 250 m, 1995. Confirmed A M Fryday. New to Cardigan.

S P Chambers

*Lecidea silacea*: on south-facing spoil, Parys Mountain, VC 52, Anglesey, GR 23/43-90-, alt 120 m, 1995. New to Wales.

S P Chambers

*Lecidella asema*: on wooden palings approximately 10 km from the sea, Glaisdale, VC 62, North-east York, GR 45/78-05-, March 1976. Determined B J Coppins. First modern record for Yorkshire.

P M Earland-Bennett

*Lecidella asema*: on wooden wall just above HWM, Walberswick, VC 25, East Suffolk, GR 62/50-74-, June 1992. New to Suffolk.

P M Earland-Bennett, C J B Hitch & P N Cayton

*Lepraria crassissima*: on sheltered, vertical, slightly calcareous rocks in gorge, just above Glencairn Bridge, Dollar Glen, VC 87, Clackmannan, GR 26/96-99-, 1995. New to Scotland.

B J & A M Coppins

*Lepraria lobificans*: on mosses on damp rock, Crossgerd, near Fladdabister, Mainland, VC 112, Shetland, GR N41/42-26-?, June 1959. Specimen in E (collected UK Duncan), determined R C Holland and B J Coppins, 1989. New to Shetland. (There is no "Crossgerd" near Fladdabister: local opinion favours a hill slope of this name 6 km south - GR given above). A further 20 specimens (from sites in Mainland and three other islands), collected and determined D H Dalby using TLC, are also this species which is by far the commonest *Lepraria* in Shetland.

D H Dalby

*Lepraria lobificans*: scarce on shaded north side of brick chest-tomb, Catel churchyard (Fr Castel), Guernsey, UTM Grid Ref WV/3—7—, May 1995. Atranorin, constictic and stictic acids, and zeorin present (TLC, No 3269). Specimens of *Lepraria* are scarce on Guernsey. New to the Channel Islands.

J R Laundon

*Lichenodiplis lichenicola* Dyko & D. Hawksw. (1979): in apothecia of *Rinodina sophodes*, Abhainn Alligin, Torridon, VC 105, West Ross, GR 18/83-57-, 1994. New to the British Isles. Differs from *L. lecanorae* in the larger conidia (8.5-) 9.5-10.5(-13) x 4-4.5  $\mu$ m vs 4-7 x 2-3  $\mu$ m, which have a relatively narrower scar, and longer conidiogenous cells, 8.5-17 vs 5.5-12  $\mu$ m.

B J & A M Coppins

*Micarea lithinella*: on flint on ground in Norsey Wood, Billericay, VC 18, South Essex, GR 51/68-95-, May 1994. Determined B J Coppins.

P M Earland-Bennett

*Micarea misella*: on rotten log (probably *Pinus*) in heathland, SW of Isle of Thorns, Ashdown Forest, VC 14, East Sussex, GR 51/43-30-, 1994. New to Sussex; specimen in E.

J F Skinner

*Microcalicium ahlneri*: on hard lignum on side of stump of old *Quercus*, Humbie Woods, VC 82, East Lothian, GR 36/4—6—, 1995. New to southern Scotland.

B J & A M Coppins

*Parmelia discordans*: with *Umbilicaria polyrrhiza*, Cairn Owen, VC 46, Cardigan, GR 22/73-88-, alt 470m, 1995. Both new to Cardigan.

S P Chambers

*Parmelia disjuncta*: locally abundant on steeply sloping, SW- to S-facing basaltic rocks, Traprain Law, VC 82, East Lothian, GR 36/57-74-, alt 125-150 m, 1996. New to the Lothians.

B J Coppins & A M Fryday

*Parmelia soledians*: abundant on an *Acer pseudoplatanus* by drive, Smeaton House, East Linton, VC 82, East Lothian, GR 36/59-78-, 1995. Second record for SE Scotland.

B J & A M Coppins

*Peltigera degenii*: on several fallen mossy boles and mossy acidic rocks in river gorge wood, Derwent Gorge NNR, VC 66, Durham, GR 45/04-49-, alt 182m, November 1991. Confirmed B J Coppins. New to England and still in good heart October 1995.

D E McCutcheon

*Peltigera elisabethae*: on  $\pm$  vertical surfaces of small overhangs at base of hill slope, Alva Glen, Ochil Hills, VC 87, Clackmannan, GR 26/88-98-, alt c 200 m, 1985. Previous British records are from altitudes of over 700 m. Confirmed O Vitikainen.

B J Coppins

*Peltigera rufescens*: as an extensive sward amongst grass, Purley Rise,

Purley, VC 17, Surrey, GR 51/30-61-, April 1995. In view of air pollution, an amazing sight so close to London.

J W Millbank and C J B Hitch

*Phaeographis smithii*: on young *Fraxmus* trunk, Cwn Einion, VC 46, Cardigan, GR 22/69-94, alt 100m, 1994. Confirmed B J Coppins. New to Cardigan. Also on smooth *Fraxinus* twigs, Nant Paith, Nanteos, near Aberystwyth, VC 46, Cardigan, GR 22/63-78-, 1995; and on *Corylus*, Llayfnant Valley, VC 46, Cardigan, GR 22/71-97-, 1995.

S P Chambers

*Phoma physciicola* Keissler (1911): in apothecia of *Physcia aipolia* on *Fraxinus*, Glen Shira, Inverary, VC 98, Main Argyll, GR 27/12-12-, 1996. New to the British Isles. For description see Hawksworth's "The Lichenicolous Coelomycetes" (*Bulletin of the British Museum (Natural History)*, *Botany* 9: 1-98, [1981]).

B J & A M Coppins

*Physcia dubia*: fertile on brick wall in a garden, Clacton-on-Sea, VC 19, North Essex, GR 62/16-13-, August 1994.

P M Earland-Bennett

*Polycoccum microsticticum*: on thallus of *Acarospora fuscata* on retaining wall of old railway line, Forfar, VC 90, Forfar, GR 37/48-52-, January 1996.

R C Munro

*Porina mammillosa*: overgrowing mosses on vertical rock face, a few yards from the river, Dunkistry Burn, VC 90, Forfar, GR 37/43-73-, alt 400m. August 1995. A rather low altitude for this rare upland species.

R C Munro

*Porpidia zeoroides* (Anzi) Knoph & Hertel (1984): on calcareous mica-schist boulders, Creag Loisgte, Ben Lawers, VC 88, Mid Perth, GR 27/63-41-, alt 1000m, June 1995. New to the British Isles. Similar to *P. superba* but apothecia with a black (not brown) disc and with the outer edge of the exciple distinctly white pruinose. Also recorded from limestone outcrop, Beinn Sgulaire, Loch Creren, VC 98, Main Argyll, GR 27/02-45-, alt 525m, July 1995.

A M Fryday

*Protoparmelia atriseda*: associated with a yellow *Rhizocarpon* sp. on rim of blocky spoil around old mine shaft, Glynllifion mine, Gwydyr Forest, N



Wales, VC 49, Caernarvon, GR 23/78-59-, alt 270m, 1994. Very locally frequent.

S P Chambers

*Psilolechia leprosa*: on wooden peg at base of copper lightning conductor of church, Winchcombe, VC 33, East Gloucester, GR 42/02-28-, September 1995. Another lignicolous record of this mainly saxicolous species.

M J Simms

*Psilolechia lucida*: on oolitic limestone on north wall of the church, Stanway, VC 33, East Gloucester, GR 42/06-32-, September 1995. An unusual record for the oolite-built churches of the Cotswolds, it is associated with *Leproloma vouauxii* and abundant *Psilolechia leprosa* on a copper-stained patch of the wall (no trace of the copper source itself remains). A copper lightning conductor elsewhere on the same wall is associated only with sparse *P. leprosa*.

M J Simms

*Pyrenula chlorospila*: growing with *Arthonia spadicea*, *Lepraria lobificans* and *Porina aenea* on a shaded trunk of *Fraxinus* in Putney Wood, Clacton-on-Sea, VC 19, North Essex, GR 62/15-16-, June 1994. Confirmed B J Coppins.

P M Earland-Bennett

*Ramonia interjecta*: on horizontal branches of decumbent *Salix* in marl pit. Butley VC 25, East Suffolk, GR 62/37-51-, January 1996. Also growing with *Licea parasitica* on *Sambucus* in woodland, Cockfield Hall, Yoxford, VC 25, East Suffolk, GR 62/39-69-, March 1996.

P M Earland-Bennett & C J B Hitch

*Rhizocarpon cinereovirens*: on well-lit mine spoil with *R. "expallescens"* Coed Mawr Pool mine, Gwydyr Forest, N Wales, VC 49, Caernarvon, GR 23/77-58-, alt 190m, 1994.

S P Chambers

*Rhizocarpon ochrolechia*: on thallus of *Ochrolechia parella* on sea-shore rocks, a small point to N of Ard Baeg, Trumpan, Waternish, Skye, VC 104, North Ebudes, GR 18/21-61-, 1979. This species develops small thalli within that of its host. It is further characterised by its immarginate apothecia, thick K+ purple epithecium and dark grey, muriform spores. However, this collection from Skye and that from Ardnamurchan (see *Bulletin* 72: 51 [1993]) have larger ascospores [ $c$  24-35 (-40)  $\times$  12-17

(-19  $\mu\text{m}$ ) than are reported from the type [18-27 x 10-12.5  $\mu\text{m}$ : see Nimis & Poelt, in *Studia Geobotanica* 7 (Suppl 1): 205 (1987)].

B J Coppins

*Rinodina isidioides*: on *Fraxinus* by boundary wall, near Allt Buidhe, Glen Shira, Inverary, VC 98, Main Argyll, GR 27/12-13-, 1995. Fertile.

B J & A M Coppins

*Sagediopsis aquatica*: on fertile *Koeberiella wimmeriana*, Llyn Glas, Snowdonia VC 49, Caernarvon, GR 23/61-55-, alt 650 m, 1994. Determined B J Coppins. New to Wales.

S P Chambers

*Scutula solorinaria* (Nyl.) P. Karst. (1885): on thallus of *Solorina bispora* on damp, calcareous, mica-schist crags, northern side of Meall nan Tarmachan, VC 88, Mid-Perth, GR 27/58-39-, alt 800 m, 1995. Determined B J Coppins. New to the British Isles.

A M Fryday

*Skytella mulleri*: on cortex of decaying *Peltigera praetextata* on mossy log, Cwm Llyfnant, VC 46, Cardigan, GR 22/71-97-, alt 45 m, 1995. Determined B J Coppins. New to Wales.

S P Chambers

*Strangospora moriformis*: on sea-cliff top fence post, with *Lecanora saligna*, Llangranog, VC 46, Cardigan, GR 22/31-54-, 1994. Determined B J Coppins. New to Cardigan.

S P Chambers

*Strigula lateralis* Aptroot & v.d. Boom (1995): on *Corylus*, Correl Glen NNR, VC H33, Fermanagh, GR 23(H)/0—5—, 1995. New to the British Isles. (see Literature Pertaining in this issue).

B J & A M Coppins, & H Fox

*Trapeliopsis glaucolepidea*: on consolidated peat between low rocks on peat hags, Mickle Fell, VC 65, North-West York, GR 35/82-24-, alt 730 m, August 1993.

D E McCutcheon

*Trimmatothele perquisita*: on outcrop of mica-schist and metamorphosed limestone, east ridge of Ben Sgulaire, Loch Creran, VC 98, Main Argyll, GR 27/02-45-, alt 525 m, 1994. Second British record, previously recorded in

the British Isles from a single limestone outcrop in the Ben Alder range. The two Scottish collections apparently have larger spores than the type from Norway (see *Flora* p. 615).

A M Fryday

*Usnea wasmuthii*: on mature *Quercus* in wooded river valley, Upper Derwent Valley, VC 66, Durham, GR 35/94-49-, alt 280 m, June 1995. Confirmed B J Coppins. Formerly sunk in *U. subfloridana*, but very much rarer and apparently much less tolerant of air pollution, New to north-east England.

D E McCutcheon

## LITERATURE PERTAINING TO BRITISH LICHENS - 19

*Lichenologist* 27(5) was published on 11 October 1995, 27(6) on 3 January 1996, 28(1) on 30 January 1996, and 28(2) on 12 April 1996.

Taxa prefixed by \*are additions to the checklist for Britain and Ireland. Aside comments in square brackets are mine.

APTROOT, A & BOOM, P P G van den 1995. *Strigula lateralis* spec. nov. with notes on the genus *Julella* (Ascomycetes). *Mycotaxon* 56: 1-8. \**Strigula lateralis* Aptroot & v d Boom, described from Portugal and Ireland, has perithecia with lateral ostioles, muriform spores, 25-35 x 6.5-8.5 µm, and pycnidia with large, bacilliform, 7-9(-10)-septate macroconidia, 28-40 x 3-4 µm, which have a long gelatinous appendage at either end. [In the field, the Irish collection closely resembled *Pyrenula laevigata*. See New Rare and Interesting in this issue.]. Also included are notes and a key to corticolous species of *Julella*, and *J. fallaciosa* is confirmed as a synonym of *J. sericea* [cf. *Flora* p. 280].

ARMSTRONG, RA & SMITH, SN 1996. Experimental studies of hypothallus growth in the lichen *Rhizocarpon geographicum*. *New Phytologist* 132: 123-126.

COPPINS, B J 1995. Two new, diminutive *Micarea* species from western Europe. *Bibliotheca Lichenologica* 58: 57-62. \**M. diminuta* Coppins is described from England (Devon, Kent), Scotland (Kirkcudbright, Perthshire, Stirling), Wales (Cardigan) and Belgium, where it grows mostly on the lignum of logs or wood fragments lying on the ground. \**M. parva* Coppins