LICHENS IN SOUTH-EAST SCOTLAND (LISS): Meeting 2: Tuesday 12 April 2022

List for: Peebles, St Andrews Cemetery, horizontal sandstone (saxA) NT246406

Acarospora fuscata: Crust thick, areolate ‘dried mud’, dark R-Bn or Y-Bn, apo innate, darker. C+R.

Lecanora soralifera: Crust areolate, cont or not, pale Gy-Gn; Bk p/t; pale Y soralia blobs→cont.

Melanelixia fuliginosa: Fol, lobe <4, shiny dark Bn; isidia→cont. Medulla C+R.

Porpidia tuberculosa: Crust thin, Gy with ± pale fringe; darker Bl-Gy soralia, ± W edge; apo rare.

Protoparmelia badia: Crust ± thick, Bn-Gn, ± hidden by cont apo; disc <2, shiny metallic Bn-Bk.

Umbilicaria polyphylla: Umb, shiny dark Bn → matt dark Gy; Bk below, no rhizines.

List for: Cademuir Hill, greywacke dyke, outcrops and scree NT210360, NT220370

Candelariella coralliza: Crust mustard Y, thick, cracked, compacted round granules. K-. Ntol.

Cladonia uncialis biuncialis: No basal squamules. Podetia pale Y-Gn ‘inflated’, forked, tips sharp.

Immersaria athroocarpa: Crust thick, cracked; apo crowded, disc matt Bk, flat; edge pale, raised.

Lasallia pustulata: Umb, lobe pustulate, W-pruinose (dry), Y-Bn (wet); lobe edge frayed, with Bk isidia.

Lecanora gangaleoides: Crust thick, warted, grey; apo disc Bk convex, margin W. Medulla O, K+Pr, UV±O.

Lecanora intricata: Crust ± cont, areolate, Gy or Y-Gn; apo innate, disc Bn-Gn to dark Gn.

Lecanora polytropa: Crust ± dis-cont, Y-Gn; apo sessile, disc Y-Gn to Bn, margin ‘waxy’→excluded.

Lecanora rupicola: Crust thick, W; apo W, margin W, or pale Bn convex. Para disc Bk or Gy-Bl. Disc C+Y.

Lecidea lithophila: Crust cracked, Gy or rusty Bn; apo <2.5, disc Bk with margin ± Bn.

Ochrolechia parella: Crust W-cream, margin zoned; apo crowded, disc pruinose W-Pk-Bn, margin thick.

Ophioparma ventosa: Crust hard, thick, knobbly or warted, Pk-Gy or Y-Gy; apo <3, disc blood R.

Parmelia omphalodes: Fol, lobe <4, metallic Bn-Gn, flecked W; no isidia or soredia.

Parmelia saxatilis: Fol, lobe <3, Gy or Bl-Gy with Bn edge; W network; Bn isidia cont; occ apo <10.

Peltigera membranacea: Fol, lobe <30, veined, tom Gy dry, Bn wet; no isidia/soredia; apo wider than tall.

Pertusaria corallina: Crust thick, ± warty, cracked, W; cont W isidia. Para with Bk dots or tufts.

Pertusaria pseudocorallina: Crust ± thin, cracked, Bn-W; isidia dis-cont, tips dark Bn where not grazed.

Porpidia melinodes: Crust pale O, occ warted; soralia Bl-Gy along cracks or cont. Apo occ.

Ramalina subfarinacea: Shr-Frut, in swards <60 long; soralia oval, marginal, coarse-grained.

Rhizocarpon geographicum: Crust Y-Gn to Y, cracked, p/t Bk; apo Bk innate, margin → excluded.

Sphaerophorus globosus: Frut; main branches pale Bn, shiny; fine tips W where not grazed.

Tephromela atra: Differs from Lec.gang. by disc flatter; medulla not O, UV+W-Bl.

Tremolecia atrata: Crust thin, cracked, dark rust colour; p/t Bk; apo Bk, disc <0.7, concave.

Umbilicaria cylindrica: Umb; lobe <5, ± erect, pale Gy pruinose, with Bk fibrils; apo Bk, disc <4, gyrose.

Xanthoparmelia conspersa: Fol, lobe <4, Y-Gn to Y-Gy, glossy; isidia cont, dark Gn; apo occ, disc Bn.

Xanthoparmelia mougeotii: Fol, lobe <3, Y-Gy, tip darker; thallus centre Bk; soralia convex, scattered.

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Additional species at Cemetery

Lecanora sulphurea...................................................................................................................................

Lecidea fuscoatra......................................................................................................................................

Lecidea grisella…………………………………………………………………………………………………………………………………….

Miriquidica leucophaea……………………………………………………………………………………………………………………….

Additional Species at Cademuir Hill

Repeats of: Acarospora fuscata, Hypogymnia physodes, Lecanora soralifera, Melanelixia fuliginosa, Porpidia tuberculosa, Protoparmelia badia.

Peltigera hymenina………………………………………………………………………………………………………………………………

Rimularia intercedens………………………………………………………………………………………………………………………….

Schaereria fuscocinerea……………………………………………………………………………………………………………………….

Abbreviations

Shr = shrubby (bushy), Fol = foliose, Frut = fruticose, Umb = foliose-umbilicate.

apo = apothecia, adpr = adpressed (appressed), cont = continuous, occ = occasional(ly),

p/t = prothallus (prominent), tom = tomentose (felted).

Chemical tests: C- or K- = negative reaction. C+ or K+ and a colour = positive reaction.

Bn = brown, Bk = black, Bl = blue, Cr = crimson, Gn = green, Gy = grey, W = white, O = orange, Pk = pink,

Pr = purple, R = red, Y = yellow.

Colour combinations: Gn-Gy = greenish grey. etc.

± = usually present, more-or-less. → = gradually becoming (as thallus matures).

Sizes: Lobe sizes are width, apothecia are diameter. All dimensions are mm. < = up to…

Substrates: Cort = bark, Lig = sawn wood, Sax = rock, SaxA = acid rock, SaxC = mortar, concrete,

Ter = soil, humus, moss. Cort>Lig = bark more often than wood. etc., Ntol = tolerant of N pollution.

Para = when parasitised (often).