

# **THE READING NATURALIST**

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**Microfungi Supplement**

**Malcolm Storey**

## RECORDER'S REPORT FOR MICROFUNGI 2009

### Malcolm Storey

This supplement is a complete list of members' 2009 microfungi records from our area. There is some duplication with the main report as significant finds are included there and also duplicated here for completeness.

#### Oomycetes Peronosporales

*Peronospora arborescens* Poppy Downy-mildew  
16 Sep 09, Upper Bucklebury, SU54216831, on undersides of lesions on fading leaves of Welsh Poppy (*Meconopsis cambrica*), 43 Berry's Road (MWS) Voucher: MWS, 16/09/09[A]

*Peronospora* sp. nov. Vervain Downy Mildew  
see article page 28.

*Plasmopara crustosa* (a downy mildew)  
05 May 09, St. Mary's, Bucklebury, SU55307085, white patches on undersides of Cow Parsley leaves, Churchyard (MWS) Voucher: MWS, 05/05/09[B]

#### Pythiales

*Phytophthora infestans* Potato Blight, Potato Late Blight & Tomato Blight  
20 Aug 09, Upper Bucklebury, SU54216831, infection on Tomato plant. Dark wrinkly patches on upper face of fruit, brown lesions on leaves, blackish-brown lesions on stems. White mycelium developed a few days after collection (MWS)

#### Ascomycetes

*Ampelomyces quisqualis* (a coelomycete)  
08 Oct 09, Bucklebury, SU552708, pycnidia on *Erysiphe necator* near margin of young leaf of Grapevine (*Vitis*), Waven, (MWS)  
A common parasite on powdery mildews.

#### Mycosphaerellales

*Cladosporium uredinicola* (a dematiaceous anamorphic fungus)  
31 Aug 09, The Slade, SU536705, on uredia of *Melampsora laricis-populina* on Balsam Poplar (MWS), Voucher: MWS, 31/08/09[D].  
A common parasite on rusts.

*Cymadothea trifolii* Black Blotch or Sooty Blotch of Clovers  
26 Oct 09, Sandham Memorial Chapel, SU462608, on White Clover leaf (TVFG, id:MWS)

*Ramularia didyma* (an anamorphic fungus)  
18 May 09, Beenham Hatch, SU58206956, Effuse colony on lower surface of faded tips of Meadow Buttercup leaves, in middle of west field, (MWS) Voucher: MWS, 18/05/09[C]

*Ramularia heraclei* (an anamorphic fungus)  
16 Sep 09, Upper Bucklebury, SU54216831, fading colonies on undersides of small leaf-spots on leaves of Hogweed, 43 Berry's Road, rear garden, (MWS) Voucher: MWS, 16/09/09[B]

*Ramularia interstitialis* (an anamorphic fungus)  
30 Aug 09, Holly Wood, SU53046974, on yellowish patches on Cowslip leaves (MWS)

*Ramularia sambucina* (an anamorphic fungus)  
25 May 09, Dry Sandford BBOWT Reserve, SU46839947, infection on Elder leaf, path between cliff and fen (MWS) Voucher: MWS, 25/05/09[B]

*Ramularia simplex* (an anamorphic fungus)  
25 May 09, Parsonage Moor BBOWT Reserve, SU46049996, infection on dark necrotic patches on leaves of Creeping Buttercup; leaf also infected with aecia of rust fungus. By small footbridge to north of fen (MWS), Voucher: MWS, 25/05/09[G].

#### Erysiphales Erysiphaceae

*Erysiphe necator* (a powdery mildew)  
8 Oct 09, Bucklebury, SU552708, on leaves, stems and young fruit of Grapevine (*Vitis*), Waven, (MWS)

#### Helotiales Bulgariaceae

*Bulgaria inquinans* Black Bulgar  
10 Oct 09 abundant on large fallen branch of Oak (*Quercus robur*) Bones Wood, near Binfield Heath, Oxon SU739795 (JAW)

## Dermateaceae

*Leptotrochila astrantiae* (a discomycete)  
13 Oct 09, Upper Bucklebury, SU54216831,  
hypophyllous, on fading leaves of Masterwort  
(*Astrantia major*), 43 Berry's Road, rear garden,  
(MWS) Voucher: MWS, 13/10/09[A]  
This is a newly recognised disease of this  
common garden plant, see article page 27.

## Helotiaceae

*Chlorociboria aeruginascens* Green Elfcup  
26 Oct 09, Herbert Plantation, SU473623, on  
green-rotten wood (TVFG, id:MWS)

*Hymenoscyphus fructigenus* Nut Disco, Nut Cup  
20 Sep 09 Hazelnut, The Coombes (TVFG)

*Neobulgaria pura* var. *pura* Beech Jellydisc  
20 Feb 09, in woodland, Bayworth Lane, Boars  
Hill, Oxford, SP49650166 (RdA)  
26 Oct 09, Herbert Plantation, SU473623,  
(TVFG, id:MWS)

## Phacidiaceae

*Phacidium multivalve* (a discomycete)  
26 Oct 09, Sandham Memorial Chapel,  
SU462608, on Holly leaf, (TVFG, Id: MH)

## Rutstroemiaceae

*Rutstroemia firma* Brown Cup  
18 Oct 09, One apothecium on small Oak stick,  
Johnsons Piece (Upper), Shotover Hill,  
SP565059 (RdA)

## Rhytismatales Rhytismataceae

*Cyclaneusma minus* (a discomycete)  
19 Nov 09, Greenacre Leisure Centre,  
SU48116543, young apothecia on dead, fallen  
pine needles, (MWS) Voucher: MWS,  
19/11/09[A]

## Pezizales Morchellaceae

*Verpa conica* Thimble Morel  
15 Apr 09, Standford End, SU708630 (RDNHS,  
Id: GC)

## Pezizaceae

*Iodophanus carneus* (a discomycete)  
13 Nov 09, Greenacre Leisure Centre,  
SU48126537, apothecia on Rabbit droppings, by  
car park, (MWS) Voucher: MWS, 13/11/09[B]

## Pyronemataceae

*Aleuria aurantia* Orange Peel  
13 Dec 09, Group of good-sized fruitbodies  
covering c.25 by 10 cm, on edge of cinder / ash  
car park, Sutton Courtenay Environmental  
Education Centre, SU499918 (RdA)

*Geopora sumneriana* Cedar Cup  
30 Mar 09, under Deodar Cedar (*Cedrus  
deodara*), Vicarage Road, Henley, SU7682  
(RAF)

## Tuberaceae

*Tuber aestivum* Summer truffle  
22 Jul 09, Crawshay Drive, Caversham. Found in  
garden when digging a hole to plant a  
Michaelmas daisy. SU719773 (Coll/Id: JFN,  
Conf: MWS) Voucher: MWS, 22/07/09[A]  
2009, Graveney Drive, Caversham Heights.  
While digging in garden. SU700751 (MS, Id:  
MWS) Voucher: MWS, 09[TuberA]  
No records of truffles for years then two come  
along at the same time... Seems to be pure  
coincidence since others areas are not reporting  
unusual numbers.

## Diaporthales Valsaceae

*Phomopsis araucariae* (a coelomycete)  
25 Jan 09, Whiteknights Campus, SU73197168,  
pynidia on dead, fallen scales of Monkey Puzzle  
(MWS) Voucher: MWS, 25/01/09[C]

## Hypocreales Hypocreaceae

*Hypocrea pulvinata* Ochre Cushion  
26 Oct 09, Herbert Plantation, SU473623, on old  
Birch Polypore (*Piptoporus betulinus*) bracket,  
(TVFG, id:MWS)

*Hypomyces aurantius* (an ascomycete)  
8 Nov 09, Growing on decaying Polyporus  
squamosus, Castle Hill Clump, Little Wittenham  
Nature Reserve, SU569925 (RdA)

## Sordariales

*Lasiosphaeria spermoides* (a pyrenomycete)  
5 Oct 09, Round Hill Clump, Little Wittenham  
Nature Reserve, SU56659265. Growing on piece  
of discarded Cherry wood in grassland, almost  
certainly originally from adjacent Round Hill  
Clump (RdA)

*Nitschkia grevillei* (a pyrenomycete)  
27 Jul 09, fallen dead branch of Sycamore (*Acer  
pseudoplatanus*), Withymead Nature Reserve,  
Oxfordshire, SU601828 (JAW) Voucher: K(M)  
164046.

## Pyrenulales

*Massaria inquinans* (an ascomycete)  
27 Jul 09, fallen dead branch of Sycamore (*Acer pseudoplatanus*), Withymead Nature Reserve, Oxfordshire, SU601828 (JAW & BAH)  
First VC23 record. Published by James Wearn in *The Forayer* 5: 28-30 (2009)

## Xylariales

*Daldinia fissa* (a cramp-ball)  
18 Oct 09, Common on gorse stumps and dead, burnt stems. Horseshoe Field, Shotover Hill, SP56940591 Believed to be first record in Oxfordshire. Specimen sent off to Judy Webb for Oxon herbarium (RdA)

*Diatrype bullata* Willow Barkspot  
31 Aug 09, fallen branch of Grey Sallow (*Salix atrocinerea*), near small footbridge, Waterloo Meadows, Reading (JAW)

*Eutypella scoparia* (a stromatic pyrenomycete)  
31 Aug 09, dead twigs of Grey Sallow (*Salix atrocinerea*), near small footbridge, Waterloo Meadows, Reading (JAW)  
Det: J.A. Wearn  
First record on willow in Berkshire.

*Xylaria carpophila* Beechmast Candlesnuff  
5 Oct 09, On fallen beech mast, Round Hill Clump, Little Wittenham Nature Reserve SU56659265 (RdA)

## Basidiomycota Agaricomycetes Corticiales Corticiaceae

*Marchandiomyces corallinus* (a lichenicolous anamorphic basidiomycete)  
21 Dec 09, Ryeish Green School, Spencers Wood, SU719673, on moribund thallus of *Physcia adscendens* on hawthorn twig, hedge on the western boundary (JH, Id: MWS) Voucher: MWS, 21/12/09[A]

## Urediniomycetes Uredinales

*Coleosporium tussilaginis* (a rust fungus)  
30 Jun 09, Upper Bucklebury, SU54216831, Uredia (II) on undersides of fading leaves of Yellow Rattle, 43 Berry's Road, rear garden (MWS)

*Cronartium ribicola* White Pine Blister Rust  
08 Oct 09, Bucklebury, SU552708, Hypophyllous telia (III) on fading Black Currant leaves, Waven, (MWS), Voucher: MWS, 08/10/09[D].  
This rust is a minor nuisance on Black Currants, but seriously damaging to 5-needle pines.

*Melampsora laricis-populina* Poplar Rust  
31 Aug 09, The Slade, SU536705, Hypophyllous uredia (II) on yellow spots leaves of Balm of Gilead, (MWS) Voucher: MWS, 31/08/09[F]

*Phragmidium rosae-pimpinellifoliae* Burnet Rose Rust  
24 May 09, Greenham Common, SU501638, Caeomoid aecia (I) on stunted side branch of Burnet Rose or cultivar, Peace Garden, (Identified from host) (MWS)

*Gymnosporangium confusum* (a rust fungus)  
30 May 09, Homefield Wood, SU813866, Single hawthorn leaf with aecia (I), Track junction just S of BBOWT Reserve (MWS) Voucher: MWS, 30/05/09[A]

*Puccinia buxi* Box Rust  
26 Oct 09, Sandham Memorial Chapel, SU462608, Telia (III) on ornamental Box tree in tub (TVFG, id:MWS)

*Puccinia caricina* var. *ribesii-pendulae* (a currant clustercup rust)  
26 Oct 09, Herbert Plantation, SU473623, on Pendulous Sedge (*Carex pendula*) leaf, (TVFG, id:MWS)  
26 Oct 09, Sandham Memorial Chapel, SU462608, on Pendulous Sedge (*Carex pendula*) leaf, (TVFG, id:MWS)

*Puccinia graminis* Black Stem Rust  
25 May 09, Dry Sandford BBOWT Reserve, SU46839947, Cluster cups on aecial galls (I) on Barberry (*Berberis vulgaris*) leaves, path between cliff and fen, (MWS), Voucher: MWS, 25/05/09[D]

*Puccinia sessilis* (a rust fungus)  
18 May 09, Beenham, SU58326912, Aecia (I) on Cuckoo Pint (*Arum maculatum*) leaves, roadside (MWS)  
18 May 09, St. Mary's, Bucklebury, SU55307085, Aecia (I) on Cuckoo Pint (*Arum maculatum*) leaves, Churchyard (MWS)

*Puccinia smyrni* Alexanders Rust  
12 Apr 09, Ufton Nerve, SU63516764, aecia (I) on petioles and leaf veins and telia (III) on under surface of leaf blade of Alexanders, along roadsides (MWS) Voucher: MWS, 12/04/09[F]

*Uromyces polygoni-avicularis* Knotgrass Rust  
15 Sep 09, Berry's Copse, SU54176832, Telia (III) on stems, uredia (II) on leaves of Common Knotgrass, entrance track from Berry's Road, (MWS), Voucher: MWS, 15/09/09[A]

**Ustilaginomycetes**  
**Entylomatales**  
**Entylomataceae**

*Entyloma microsporium* (a smut fungus)  
3 May 09, Wimble's Wood, SU53596818, small galls on leaves of Creeping Buttercup, footpath by fence (MWS) Voucher: MWS, 03/05/09[A]

*Entyloma ranunculi-repentis* (a smut fungus)  
3 May 09, Blacklands Copse, SU53976803, *Entylomella* anamorph on spots on leaves of Creeping Buttercup, footpath to stream, (MWS), Voucher: MWS, 03/05/09[B]  
5 May 09, St. Mary's, Bucklebury, SU55307085, *Entylomella* anamorph on white patches on leaves of Goldilocks Buttercup, Churchyard, (MWS), Voucher: MWS, 05/05/09[A]

**Platyglloeaceae**

*Tuberculina sbrozii* (an anamorphic ustilaginomycete)  
5 May 09, St. Mary's, Bucklebury, SU55307085, On uredia of *Puccinia vincae* on underside of Greater Periwinkle leaf, Churchyard, (MWS), Voucher: MWS, 05/05/09[DB]

**Urocystales**  
**Urocystaceae**

*Urocystis ranunculi* (a smut fungus)  
3 Aug 09, Upper Bucklebury, SU54216829, smut pustules on leaves and petioles of Creeping Buttercup, 43 Berry's Road, garden extension, (MWS), Voucher: MWS, 03/08/09[A]

**CONTRIBUTORS**

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**Ustilaginales**

**Glomosporiaceae**

*Thecaphora seminis-convolvuli* (a seed smut fungus)

29 Aug 09, Thatcham Reedbeds LNR, SU50386673, *Gloeosporium* anamorph on stunted anthers of Hedge Bindweed, pathside E of metal gate, (MWS), Voucher: MWS, 29/08/09[A]

**Chytridiomycetes**  
**Synchytriaceae**

*Synchytrium taraxaci* Dandelion Wart  
18 May 09, Beenham Hatch, SU58206956, Tiny gregarious galls in Dandelion leaves, in middle of west field, (MWS), Voucher: MWS, 18/05/09[D]

**Myxomycetes**

*Lycogala terrestre* Wolf's Milk  
26 Oct 09, Herbert Plantation, SU473623, plasmodium, id by aethalial colour/spore mass colour (TVFG, Id: MH)

*Badhamia utricularis* (a slime mould)  
15 Nov 09, Highmoor Trench, SU703853, plasmodial fan on fallen wood, (MWS)