

NEWSLETTER
of the
WARWICKSHIRE FUNGUS SURVEY
for
2014

Affiliated to the British Mycological Society

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Introduction

This newsletter covers the activities of the Warwickshire Fungus Survey during 2013 as recorded by the group members and although its primary purpose is to present the mycological records, other articles and contributions would be welcome. The records generally concern the foray programme but non-foray records from individuals and other groups have also been included where they represent a new site record or an unusual / interesting occurrence. Where available, habitat and substrate information has been noted and observers are urged to record this important data whenever possible.

Reminder: Would forayers submitting dried specimens for the herbarium please ensure that they are accompanied by notes, particularly of characters that cannot be checked from dried material. These include, for agarics, fresh colour and any colour changes with age, handling or bruising and changes to the flesh colour when the fruit body is longitudinally sectioned; is the cap and or stem viscid, sticky?; peelability of the cap (*Russula*), milk colour and changes on drying (*Lactarius*); smell; taste. Also please provide a spore print and details of the literature consulted in arriving at a determination.

Species names have generally been taken from Legon, N. W, Henrici A, *et al* (2005) *Checklist of the British & Irish Basidiomycota* and the British Mycological Society's computerised dictionary of fungus names (GBCHKLST, 27.03.04). Where this name differs from older names and is not yet in common usage, the older name is indicated in brackets for the first mention. In certain cases where species have been 'lumped' the original name is listed for future clarity. Note that updates 1 to 5 to the above checklist are now available at website <http://www.basidiochecklist.info>.

* indicates new to site. Up-to-date lists are not available for all sites.

** indicates new to vice-county 38.

The following recorders have been identified by their initials and are shown in sequence collector/determiner/confirmer (where different):

DJA	David Antrobus
JA	Janet Antrobus
AWB	Bert Brand
GMB	Gill Brand
DC	Dave Champion
DG	Dinah Griffin
WTM	Bill Moodie
KP	Karen Pobgee
KR	Kay Reeve
JRR	John and Val Roberts
RJS	Jane Sells
JDS	John Sells
GT	Graham Thompson
JW	John Williams

The WFS website may be accessed by address <http://freespace.virgin.net/william.moodie/wfs.htm>.

***Arxiomyces vitis* – only British record**

In the process of producing a definitive list of the fungi of Wolford Wood it was discovered that the record in Clark, M. C. (1980) *A Fungus Flora of Warwickshire* of the Ascomycete fungus, *Phaeostoma vitis* from Wolford Wood, found beneath the bark of *Betula* by Reg Evans on 14th May 1972, is in fact the only British record. It is the specimen cited and illustrated by Dennis in *British Ascomycetes* 2nd edition (1981) p.292 and Fig 12Q. Cannon and Hawksworth gave a description and an SEM image of the ascospores, which are truncate at the base, in the *Botanical Journal of the Linnaean Society* 84, p.115-160 (1982). They listed the hosts as *Vitis*, *Humulus*, *Juglans* and *Betula* and its distribution as British Isles (Wolford Wood), Germany, Italy and Switzerland.

In addition to the name *Phaeostoma vitis* this fungus had suffered from a variety of names, *Ceratostoma vitis*, *Ceratostoma graphioides* and *Chaetoceratostoma graphioides*, until its current name, *Arxiomyces vitis* was published by Cannon and Hawksworth in 1983 (*Transactions of the British Mycological Society* 81(3), p. 644).

The only other report of *Arxiomyces vitis* we have been able to find is from Brazil where Ferreira, Barrato & Almada (*Fitopatologia Brasileira* 30(1), p.92, 2005) described it in black spots on Eucalyptus planks for furniture production.

Arxiomyces vitis has very small black perithecia only 1mm diameter with a long ostiolate beak only 1-2mm long, so is very easily overlooked.

Bert Brand

The Hoof Fungus *Fomes fomentarius* in Warwickshire

I reported in last year's newsletter on my discovery at two woodland sites in 2012 of the first Warwickshire (VC38) records of the Hoof Fungus *Fomes fomentarius*. These woods lie to the east of Coventry and within a short walk of my home in Binley Woods. The first polypore was discovered during May in Brandon Wood. This was an ancient wood that has been extensively cleared and planted with conifers, mainly Corsican Pine. After several forest fires a large number of birch trees have colonised these areas. I collected the fruitbody which came away easily from the decaying tree and later in the year its identity was confirmed by Bert and Gill Brand. I visit this wood two or three times a week but have not yet found another specimen.

Later in September 2012 I found many more Hoof Fungus in nearby New Close Wood. This latter site is a privately-owned broad-leaved woodland crossed by two public footpaths. It consists primarily of oak and hazel but there are many birches of all ages in the damper areas. I visit this wood once or twice a month (not necessarily searching for fungi) and cannot believe that I have missed this conspicuous species over the years for in 2013 there were even more. The host is always dead *Betula pendula* either upright or fallen, with many fruitbodies on each trunk. The Birch Polypore *Piptoporus betulinus* is also prevalent and occasionally both brackets occur on the same tree. However, a more typical example was of two fallen trunks lying together, one covered in more than twenty fruitbodies of *Fomes* and the other a similar number of *Piptoporus*.

A further large Hoof Fungus was found in 2013 on a fallen birch trunk at Old Nun Wood. This is adjacent to Wappenbury Wood where yet another specimen was recorded. It will be interesting to see if this bracket spreads to other sites and whether it is found on other hosts as it is in southern England.

John Sells

Foray Records**2013**

Regardless of the frequency and timing of rain and sunshine the toadstool season in Warwickshire appears to have changed from the past. The mycorrhizal species that usually occur early in the autumn appear to be declining in numbers and species while the later fungi are at least as abundant as previously and often more so (see article on Page15).

Hampton Wood Nature Reserve**28.04.13**

MYXOMYCETES

Lycogala terrestre	on dead wood	DG
Reticularia lycoperdon (Enteridium)	wood at tree base	DG

ASCOMYCETES

Chlorociboria aeruginascens

DISCOMYCETES

Daldinia concentrica

Xylaria hypoxylon

PYRENOMYCETES

HOMOBASIDIOMYCETES

Bjerkandera adusta

Daedaleopsis confragosa

Piptoporus betulinus

Schizopora paradoxa

Stereum hirsutum

Trametes versicolor

on dead branch

APHYLLOPHORALES

DG

HETEROBASIDIOMYCETES

Auricularia auricula-judae

Dacrymyces stillatus

TREMELLALES etc.

Ufton Fields Nature Reserve SSSI**12.05.13**

Only one of these records, *Puccinia sessilis*, was a fresh sign of spring in this cold year.

PHYCOMYCETES

Plasmopara umbelliferarum (A)	on <i>Anthriscus sylvestris</i>	GMB
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MYXOMYCETES

Lycogala terrestre	on rotten deciduous wood	DG
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HOMOBASIDIOMYCETES

Coprinnellus micaceus (Coprinus)

on rotten deciduous wood

AGARICALES etc.

GT/DJA

Bjerkandera adusta

on rotten deciduous wood

DG

Daedaleopsis confragosa

on *Salix* trunk

DG

Meruliopsis corium

on dead *Crataegus* branches

DG/DJA

Phanerochaete sordida

on decorticated deciduous rotten wood

DG/DJA

Phellinus igniarius

on sawn damp log (?*Salix*)

AWB

Polyporus squamosus

on a fallen rotten deciduous trunk

GT/DJA

Schizopora paradoxa

on fallen *Picea abies* trunk

DJA

Trametes versicolor

on rotten deciduous wood

DG

UREDINIOMYCETES

Phragmidium violaceum (III)

on overwintering
leaf *Rubus fruticosus* agg.

GMB

Puccinia sessilis (0 I)

on *Arum maculatum*

GMB

UREDINALES

FUNGI IMPERFECTI

Brachysporium nigrum

on fallen hardwood branch

HYPHOMYCETES

AWB/GMB

WARWICKSHIRE FUNGUS SURVEY

Xanthoriicola physciae (ref Ellis & Ellis)
 on apothecia of *Xanthoria parietina*,
 on attached twig *Crataegus* GMB

Wolford Wood

18.08.13

Eight regulars and two visitors arrived on a bright sunny morning to explore this private wood in the far south of the county.

MYXOMYCETES

Reticularia lycoperdon DG

PHYCOMYCETES

Plasmopara densa (A) *Odontites vernus*, leaf living GMB

ASCOMYCETES

Chlorociboria aeruginascens DISCOMYCETES
 AWB/DG
 Rhytisma acerinum on *Acer pseudoplatanus* JRR
 Trochila ilicina on *Ilex* JRR

PLECTOMYCETES

Erysiphe alphitoides (Microsphaera) (A) on *Quercus* AWB
 Erysiphe heraclei on *Heracleum sphondylium* JDS
 Golovinomyces senecionis on *Tussilago farfara* JDS
 (=Erysiphe cichoracearum)
 Golovinomyces sordidus (Erysiphe) (A) on *Plantago major*, leaf living GMB

PYRENOMYCETES

Lasiosphaeria ovina fallen hardwood twig, GMB
 Xylaria hypoxylon
 Xylaria longipes on *Acer pseudoplatanus* AWB

HOMOBASIDIOMYCETES

Agaricus langei roadside AGARICALES etc.
 AWB
 Boletus cisalpinus JDS
 Inocybe rimosa (sensu lato) AWB
 Laccaria laccata AWB
 Lactarius camphoratus GT/JDS
 Marasmiellus ramealis AWB
 Megacollybia platyphylla JRR/JDS
 Russula anthracina AWB
 Russula ionochlora JDS

APHYLLOPHORALES

Daedaleopsis confragosa JDS
 Laetiporus sulphureus GT/JDS
 Piptoporus betulinus JRR
 Polyporus leptoccephalus AWB
 Postia subcaesia JDS
 Trametes versicolor JDS

GASTEROMYCETES

Cyathus striatus soil, pathside RJS/AWB
 Phallus impudicus JDS

UREDINIOMYCETES

Coleosporium tussilaginis (II) *Odontites vernus*, leaf living GMB
 Phragmidium bulbosum (II III) *Rubus fruticosus*, leaf living GMB
 Puccinia caricina var. ribesii-pendulae (II) *Carex pendula*, leaf living GMB
 Puccinia circaeae III *Circaea lutetiana*, leaf living GMB

UREDINALES

WARWICKSHIRE FUNGUS SURVEY

Puccinia recondita (II)	<i>Bromopsis ramosa</i> , leaf living (new host, RJS)	GMB
Pucciniastrum circaeae (II)	<i>Circaea lutetiana</i> , leaf living	GMB
FUNGI IMPERFECTI		HYPHOMYCETES
Ramularia lapsanae	<i>Lapsana communis</i> , leaf living	GMB
Ramularia sphaeroidea	<i>Lotus uliginosus</i> , leaf living	GMB
		COELOMYCETES
Eudarluca caricis (A)	<i>Phragmidium bulbosum</i> , pustule	GMB

Winterbourne Gardens & Nature Reserve

01.09.13

It was another warm dry day.

ASCOMYCETES		DISCOMYCETES
Rhytisma acerinum	<i>Acer pseudoplatanus</i> leaves	GMB, JRR
Trochila ilicina	on fallen <i>Ilex</i> leaf	JRR
		PLECTOMYCETES
Erysiphe alphitoides	young <i>Quercus</i>	AWB
Sawadaea bicornis (A) & (imm. T)	<i>Acer pseudoplatanus</i>	GMB
		PYRENOMYCETES
Xylaria hypoxylon	on dead <i>Acer pseudoplatanus</i>	JRR
Xylaria longipes	on dead <i>Acer pseudoplatanus</i>	JRR
HOMOBASIDIOMYCETES		AGARICALES etc.
Amanita phalloides	under <i>Fagus</i>	JRR
Amanita rubescens	under <i>Fagus</i> , mixed broad-leaved	JRR, Ray James/DJA
Armillaria mellea	dead <i>Betula</i>	JRR
Boletus pulverulentus	mixed broadleaved	GMB/DC
Hypholoma fasciculare	dead, broad-leaved trunk	JRR
Pleurotus ostreatus	<i>Sorbus torminosus</i> , living and dead	JRR
Pluteus cervinus	wood	Ray James/DJA
Russula nigricans	mixed broadleaved	JRR/AWB
Russula ochroleuca	under <i>Fagus</i>	JRR, GMB
Xerula radicata	under <i>Fagus</i>	JRR
		APHYLLOPHORALES
Daedaleopsis confragosa	dead deciduous trunk	JRR
Fistulina hepatica	<i>Quercus</i> trunk	DC
Ganoderma australe	<i>Fagus</i> stump	JRR
Meripilus giganteus	roots of fallen <i>Fagus</i>	DJA
Stereum subtomentosum	path edging log	AWB
		GASTEROMYCETES
Phallus impudicus	mixed broadleaved	JEA/DJA
Scleroderma citrinum	mixed broadleaved	Ray James/DJA
Scleroderma verrucosum	garden shrubbery	AWB
UREDINIOMYCETES		UREDINALES
Gymnosporangium sabiniae	<i>Pyrus communis</i> cv, garden	GMB
Kuehneola uredinis (II III OI)	<i>Rubus fruticosus</i>	GMB

Sutton Park (Boldmere Gate)

15.09.13

The bad weather warning meant that this foray was effectively cancelled.

WARWICKSHIRE FUNGUS SURVEY

Mays Wood

29.09.13

There was a good turnout of seventeen to explore this privately owned mainly coniferous woodland managed by the Forestry Commission.

ASCOMYCETES

Ascocoryne sarcoides
 Bisporella sulfurina on scars of *Hypoxylon fuscum*
 on *Corylus*
 Coprobria granulata dog dropping
 Otidea alutacea

DISCOMYCETES
 DG
 GMB/AWB
 JRR
 DG/JDS

Erysiphe ornata var. europaea (Microsphaera) on *Betula* leaf living
 Phyllactinia betulae (=guttata) on *Betula* leaf living

PLECTOMYCETES
 GMB
 GMB

Hypoxylon fuscum fallen branch *Corylus*
 Xylaria longipes

PYRENOMYCETES
 AWB
 JDS

HOMOBASIDIOMYCETES

Agaricus silvaticus
 Armillaria gallica
 Baeospora myosura *Pinus* cone
 Bolbitius titubans grass
 Boletus chrysenteron ss on a pine cone under *Pinus sylvestris*
 Chlorophyllum rhacodes under *Quercus*
 Clitocybe nebularis on soil under *Quercus*
 Clitocybe odora
 Gymnopilus penetrans on fallen branch
 Gymnopus dryophilus (Collybia)
 Hygrophoropsis aurantiaca under *Pinus sylvestris*
 Hypholoma fasciculare stump
 Inocybe geophylla grass
 Laccaria amethystina
 Laccaria laccata
 Lactarius tabidus
 Mycena galericulata stump
 Mycena haematopus
 Mycena polygramma woody debris
 Mycena pura woodland
 Mycena stylobates grass litter
 Parasola kuehneri (Coprinus) in grass near *Quercus*
 Pluteus cervinus on *Pinus*
 Rhodocollybia butyracea (Collybia)
 Russula ochroleuca
 Stropharia caerulea in grass near *Quercus*
 Tricholomopsis rutilans on *Pinus*

AGARICALES etc.
 JRR//AWB
 JRR/JDS
 JDS//AWB
 DG
 DJA
 DJA
 DJA
 DJA
 DG
 JRR
 JDS
 JRR
 JDS
 DG
 GR
 DG
 JDS
 JDS
 DC
 AWB
 DC
 AWB
 DJA
 JDS
 AWB
 JDS
 DJA
 JDS

Clavulina coralloides on soil amongst grass
 Daedaleopsis confragosa
 Heterobasidion annosum conifer stump
 Physisporinus sanguinolentus
 Piptoporus betulinus
 Polyporus tuberaster fallen small branch *Betula* or *Corylus*
 Postia stiptica fallen branch
 Schizophora paradoxa upper side of fallen trunk,
 amongst moss

APHYLLOPHORALES
 JRR
 JA/GMB
 JRR
 DG/GMB
 JDS
 JRR/AWB
 JDS
 Tricia Scott/GMB

Stereum hirsutum

JDS

Lycoperdon perlatum

soil

GASTEROMYCETES
 AWB

HETEROBASIDIOMYCETES

TREMELLALES etc

WARWICKSHIRE FUNGUS SURVEY

Calocera cornea	on mossy stump with <i>Quercus</i>	DJA
UREDINIOMYCETES		UREDINALES
Kuehneola uredinis (III)	<i>Rubus fruticosus</i> leaf living	GMB
Melampsora populnea (II)	<i>Populus tremula?</i> leaf living	GMB
Melampsorium betulinum (II)	<i>Betula</i> leaf living	GMB
Puccinia circaeae (III)	<i>Circaea lutetiana</i> leaf living	GMB
FUNGI IMPERFECTI		COELOMYCETES
Colletotrichum dematium	dead herbaceous stem, <i>Lysimachia nemorum</i>	GMB

Coombe Abbey Country Park

13.10.13

This National Fungus Day event was unfortunately held in persistent rain.

ASCOMYCETES		DISCOMYCETES
Rhytisma acerinum	<i>Acer pseudoplatanus</i> leaves	JRR
		PYRENOMYCETES
Claviceps purpurea	on <i>Dactylis glomerata</i>	JRR
Daldinia concentrica	dead <i>Fraxinus</i>	JRR
Nectria cinnabarina	deciduous twigs	JRR
HOMOBASIDIOMYCETES		AGARICALES etc.
Amanita muscaria	under <i>Betula</i> , heath	KR 12.10.13
Armillaria mellea	deciduous stumps	JRR and AWB
* Boletus appendiculatus		DC 12.10.13
* Boletus edulis	under <i>Betula</i> , heath	KR 12.10.13
Gymnopilus junonius	deciduous stump	JRR
* Mycena olida	old stump	AWB
Parasola plicatilis (Coprinus)	amongst grass	JRR
Pleurotus ostreatus	dead deciduous trunk	JRR
Pluteus cervinus	deciduous stumps	JRR
		APHYLLOPHORALES
Bjerkandera adusta	deciduous stump	JRR and GMB
Fistulina hepatica	oak trunk	JRR
Ganoderma applanatum	stump	AWB
Ganoderma australe	dead deciduous trunks	JRR
* Gloeophyllum sepiarium	bark of horizontal pole approx 30 cm above ground car park boundary	AWB
Grifola frondosa	oak stump	JRR
Phellinus igniarius	<i>Salix</i> trunk	JRR
Trametes gibbosa	deciduous stumps	JRR
		GASTEROMYCETES
Lycoperdon pyriforme	dead wood	JRR
Phallus impudicus	soil under <i>Pinus sylvestris</i>	JRR
HETEROBASIDIOMYCETES		TREMELLALES etc.
Calocera cornea	dead wood	JRR
FUNGI IMPERFECTI		HYPHOMYCETES
* Ramularia gei	<i>Geum urbanum</i> , living leaf	GMB
		COELOMYCETES
** Septoria urticae	<i>Urtica dioica</i> , living leaf	GMB

Oversley Wood

27.10.13

Four visitors joined a reduced number of regulars to foray at this Forestry Commission mixed wood.

WARWICKSHIRE FUNGUS SURVEY

ASCOMYCETES		DISCOMYCETES
Bisporella sulfurina	<i>Fraxinus</i> with indeterminate stroma	GMB/AWB
Helvella crispa		JW & Keith Cohen
Otidea onotica	soil, mixed woodland	AWB
Rutstroemia firma	<i>Quercus</i> fallen branch	JW/AWB
		PLECTOMYCETES
Erysiphe tortilis (Microsphaera) (A+T)	<i>Cornus sanguineus</i> leaf living	GMB
		PYRENOMYCETES
Xylaria hypoxylon	fallen wood	AWB
HOMOBASIDIOMYCETES		AGARICALES etc.
Agaricus dulcidulus (= semotus)	mixed woodland	K. Cohen/AWB
Amanita citrina		DG
Clitocybe fragrans		DG
Clitocybe gibba		JW
Clitocybe rivulosa		JW
Coprinellus disseminatus (Coprinus)		JW
Craterellus cornucopioides	soil mixed woodland	AWB
Gymnopus erythropus (Collybia)		JW
Hygrophoropsis aurantiaca		DG
Hypholoma fasciculare		JW
Inocybe geophylla		JW
Laccaria amethystina		AWB
Laccaria laccata		JW
Lactarius tabidus		JW & DG
Leccinum scabrum		DG
Macrolepiota mastoidea		DG
Marasmiellus ramealis	twiggy debris	AWB
Mycena arcangeliana	woody debris	JW/AWB
Mycena epipterygia		JW
Mycena galericulata		JW
Mycena galopus	leaf litter	AWB
Mycena inclinata		JW
Mycena pura		JW
Mycena speirea		JW
Mycena stipata	fallen wood	AWB
Mycena vitilis		JW
Paxillus involutus		JW & DG
Pholiota tuberculosa	small fallen branch deciduous	JW/AWB
Rhodocollybia maculata		JW
Russula nobilis (=mairei)		JW
Russula ochroleuca		JW & DG
Tricholoma album	soil mixed woodland	K. Cohen/AWB
Tubaria dispersa		JW
Tubaria furfuracea		JW
		APHYLLOPHORALES
Botryobasidium subcoronatum	felled log	GMB
Clavulina coralloides		JW & K. Cohen
Daedaleopsis confragosa		DG
Hydnum repandum		DG
Macrotyphula fistulosa	very tall	JW & K. Cohen
Macrotyphula juncea		K. Cohen
Postia caesia	cut end of felled trunk conifer	AWB
Schizopora paradoxa	fallen branch	AWB/GMB
Stereum hirsutum	<i>Quercus</i> branch	AWB
Stereum sanguinolentum		DG
Trametes versicolor	stump	AWB
		GASTEROMYCETES
Lycoperdon pyriforme		DG

WARWICKSHIRE FUNGUS SURVEY

HETEROBASIDIOMYCETES		TREMELLALES etc.
Auricularia auricula-judae		JW
Calocera pallidospathula		DG
UREDINIOMYCETES		UREDINALES
Phragmidium bulbosum (II III)	<i>Rubus fruticosus</i> leaf living	GMB
Puccinia caricina (III)	<i>Carex pendula</i> leaf living	GMB
FUNGI IMPERFECTI		HYPHOMYCETES
Ramularia urticae	<i>Urtica dioica</i> leaf living	GMB

Ragley Hall

10.11.13

After a slight overnight frost it was a beautiful sunny morning at Ragley Hall where thirteen regulars and two visitors arrived to explore the grassland and large trees by the lake. The discovery of *Hygrocybe russocoriacea* caused much sniffing with mixed results; the ladies seemed to have the better noses.

ASCOMYCETES		DISCOMYCETES
Rhytisma acerinum		JDS
		PLECTOMYCETES
Golovinomyces artemisiae (Erysiphe) (A+T)	<i>Artemisia vulgaris</i> , waste ground	GMB
Golovinomyces sonchicola (A)	on <i>Sonchus asper</i> , lakeside	GMB
(=Erysiphe cichoracearum)		
Podospaera filipendulae (A+T)	<i>Filipendula ulmariae</i> , lakeside	GMB
(=Sphaerotheca spiraeae)		

HOMOBASIDIOMYCETES		AGARICALES etc.
Agaricus arvensis	grassland	DA,DC/AWB
Agaricus silvaticus	under <i>Cedrus</i>	DG/AWB
Agaricus xanthodermus	under <i>Quercus</i>	DC
Amanita rubescens		JRR
Armillaria ostoyae	on a tree stump	DJA
Boletus chrysenteron	under <i>Cedrus</i>	JDS
Clitocybe geotropa		DC
Clitocybe nebularis		DC
Coprinus comatus	lawn	JDS
Entoloma papillatum	grassland	GMB/AWB
Gymnopus fusipes (Collybia)	base of <i>Quercus</i>	DC
Hebeloma leucosarx		DN/JDS
Hemimycena delectabilis	dead grass	DG/AWB
Hygrocybe psittacina	lawn	JA/AWB
Hygrocybe russocoriacea	lawn	JRR, AWB
Hygrocybe virginea	lawn	JDS
Hygrophoropsis aurantiaca		DG
Hypholoma fasciculare		JDS
Laccaria laccata	under <i>Quercus</i>	JDS
Lactarius quietus	under <i>Quercus</i>	JDS
Marasmius oreades	lawn	JDS
Mycena aetites	lawn	DJA, AWB
Mycena flavoalba	lawn	JDS
Mycena galericulata		JDS
Mycena leptcephala	under <i>Quercus</i>	DJA
Mycena olivaceomarginata	grassland	AWB
Panaeolina foenicisecii	lawn	DJA, AWB
Pholiota gummosa	lawn	JRR
Psilocybe semilanceata	lawn	DN
Rhodocollybia butyracea		DG
Stropharia caerulea	lawn	JRR/JDS
		APHYLLOPHORALES
Ganoderma australe		JDS

WARWICKSHIRE FUNGUS SURVEY

Lycoperdon pratense	grassland	GASTEROMYCETES AWB
UREDINIOMYCETES		UREDINALES
Miyagia pseudosphaeria (II)	<i>Sonchus asper</i> , lakeside	GMB
Puccinia tanacetii (III)	<i>Artemisia vulgaris</i> , waste ground	GMB

Ryton Meadows & Wood Nature Reserve SSSI

17.11.13

We arrived in the butterfly group's car park to find that the gates to the meadows were locked and we had some problems entering. The notice warning us of a bull in the field was also worrying. However, he turned out to be an English Longhorn impressive but docile. The grassland species were few and we soon made our way to the wood where prospects are usually good.

MYXOMYCETES

Mucilago crustacea		DC
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PHYCOMYCETES

Piptocephalis freseniana (= repens)	on incubated droppings of <i>Oryctolagus cuniculus</i>	AWB
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ASCOMYCETES

Bulgaria inquinans		JW
Coprobola granulatus		JRR
Rhytisma acerinum		JDS

DISCOMYCETES

Erysiphe heraclei (T)	on <i>Heracleum sphondylium</i> leaf	GMB
Erysiphe urticae (T)	on <i>Urtica dioica</i> leaf	GMB
Golovinomyces cynoglossi (Erysiphe) (A)	on <i>Myosotis</i> leaf senescent	GMB
Phyllactinia betulae (T)	on <i>Betula pendula</i> leaf	GMB

PECTOMYCETES

Claviceps purpurea	on <i>Elytrigia repens</i>	JRR
Xylaria hypoxylon		JRR

PYRENOMYCETES

HOMOBASIDIOMYCETES

Agaricus xanthodermus		JDS
Amanita muscaria		DC
Clitocybe nebularis		JDS
Clitocybe odora		DC
Cortinarius (Telamonia) saturninus		JDS
Crepidotus cesatii	on <i>Rubus fruticosus</i> , fallen dead stem	GMB/AWB
Crepidotus luteolus	fallen dead herbaceous	GMB/AWB
Entoloma rhodopolium		JDS
Hebeloma leucosarx	amongst grass with <i>Salix</i>	AWB
Hebeloma mesophaeum		JDS
Hygrocybe virginea		JDS
Laccaria amethystina		DC
Laccaria laccata		JDS
Lacrymaria lacrymabunda	trackside	AWB
Lactarius fulvissimus		JRR/JDS
Lactarius tabidus		JDS
Lepiota flaccida		JDS
Lepista saeva		DC
Melanoleuca polioleuca	trackside	GMB/AWB
Mycena flavoalba		JDS
Mycena metata	under <i>Alnus</i>	AWB
Mycena pura		JDS
Mycena vitilis		JRR
Pholiota gummosa		JDS
Rhodocollybia butyracea		JDS

AGARICALES etc.

WARWICKSHIRE FUNGUS SURVEY

Russula ochroleuca		JDS
Stropharia caerulea		JDS
Tricholoma cingulatum		JRR/JDS
Tricholoma sulphureum		KR/JDS
		APHYLLOPHORALES
Clavaria fragilis (=vermicularis)		JRR
Fistulina hepatica		JRR
Macrotyphula juncea		JRR
Stereum hirsutum		JDS
HETEROBASIDIOMYCETES		TREMELLALES etc.
Exidia glandulosa		JDS
UREDINIOMYCETES		UREDINALES
Phragmidium bulbosum (III)	<i>Rubus fruticosus</i> leaf living	AWB/GMB
Phragmidium sanguisorbae (II III)	<i>Poterium sanguisorba</i> leaf living	GMB
Phragmidium violaceum (III)	<i>Rubus fruticosus</i> leaf living	GMB
Puccinia punctata (III)	<i>Galium verum</i> leaf living	GMB
Uromyces geranii (II III)	<i>Geranium molle</i> leaf living	GMB
Uromyces pisi-sativi (II)	<i>Lotus uliginosus</i> leaf living	GMB
FUNGI IMPERFECTI		HYPHOMYCETES
Ramularia urticae	<i>Urtica dioica</i> leaf living	GMB
		COELOMYCETES
Ampelomyces quisqualis	<i>Golovinomyces cynoglossi</i>	GMB

Kingsbury Water Park

01.12.13

The list includes records from the scheduled foray and a reconnaissance earlier.

ASCOMYCETES		PYRENOMYCETES
Xylaria hypoxylon	on wood	WTM 28.11.13
HOMOBASIDIOMYCETES		AGARICALES etc.
Clitocybe nebularis	<i>Salix/Betula</i> litter	WTM 28.11.13
Crepidotus cesatii	on <i>Salix?</i> twig	WTM
Hypholoma fasciculare	on indet wood	WTM 28.11.13
Kuehneromyces mutabilis	on indet fallen log	WTM
Lepiota cristata	in litter	WTM 28.11.13
Lepista saeva	under <i>Quercus</i>	WTM
Mycena flavoalba	in moss	WTM
Rickenella swartzii	in grass	WTM
		APHYLLOPHORALES
Chondrostereum purpureum	on indet wood	WTM
Daedaleopsis confragosa	on dead fallen tree	WTM 28.11.13
Stereum hirsutum	on log pile	WTM 28.11.13
Trametes versicolor	on wood (various)	WTM
		GASTEROMYCETES
Lycoperdon perlatum	on the ground	WTM
Lycoperdon pyriforme	on indet wood	WTM

WARWICKSHIRE FUNGUS SURVEY

Non-Foray Records

2013

Binley Woods

Lepiota felina lawn with *Betula* JDS 14.11.13

Bishopston

Antherospora vaillantii on *Muscari armeniacum* GMB 30.04.13
Armillaria gallica under hedge, canal side AWB 25.12.13
Camarophyllopsis atropuncta lawn GMB 28.12.13
Hygrocybe insipida lawn AWB 28.12.13
Hygrocybe psittacina lawn AWB 27.12.13
Hygrocybe virginea lawn AWB 27.12.13
Tricholoma scalpturatum tied ring round *Corylus* AWB 01.12.13

Blythe Valley

Crucibulum laeve JW 03.11.13

Brandon Little Wood

Russula chloroides broad-leaved woodland JDS 22.08.13

Brandon Marsh Nature Reserve SSSI

Otidea bufonia soil JDS 25.09.13
 * *Golovinomyces verbasci* (Erysiphe) on *Verbascum thapsus* JDS 04.09.13
 * *Cystolepiota seminuda* woody debris JDS 25.09.13
Melanoleuca brevipes path side JDS 29.04.13
 * *Tricholoma lascivum* *Quercus* woodland JDS 23.10.13
 * *Trametes hirsuta* on twig, broad-leaved woodland Derek Bennett/JDS 21.03.13

Brandon Wood

** *Podosphaera macrospora* on leaves of *Tellima grandiflora* JDS//GMB 21.07.13
 3rd British site. garden escape
Asterophora parasitica on *Russula densifolia* JDS 24.09.13
Gymnopus peronatus (Collybia) broad-leaved woodland JDS 03.01.13
Lepista nuda mixed woodland JDS 10.01.13
 * *Russula anthracina* broad-leaved woodland JDS 24.08.13
Russula densifolia *Quercus*, *Betula* woodland JDS 05.09.13
Russula nigricans broad-leaved woodland JDS 08.09.13
Russula ochroleuca broad-leaved woodland JDS 14.12.13
 * *Russula subfoetens* broad-leaved woodland JDS 08.09.13
 * *Tricholoma album* broad-leaved woodland JDS 07.10.13
 * *Tubaria conspersa* path, soil JDS 21.09.13
 * *Tylopilus ferreus* broad-leaved woodland JDS 08.09.13
Xerula radicata broad-leaved woodland JDS 08.09.13
 * *Inonotus hispidus* high on *Fraxinus* JDS 19.05.13
Phellinus ferruginosus fallen branch, *Betula* JDS 08.09.13
Sparassis crispa at base of *Pinus contorta* JDS 24.11.13
 * *Bovista nigrescens* turf JDS 03.08.13

Clowes Wood Nature Reserve SSSI

Oudemansiella mucida 1000s from top to bottom of at least JDS 28.09.13
 two dead standing *Fagus*
Pseudoboletus parasiticus on *Scleroderma citrinum* KP 10.10.13
Grifola frondosa *Quercus* KP 10.10.13

Coombe Abbey Pool & Country Park

Flammulina velutipes on *Populus* JDS 23.09.13
 * *Mycena cinerella* under *Pinus* JDS 12.11.13
Russula praetervisa pathside, under *Quercus* JDS 26.08.13

WARWICKSHIRE FUNGUS SURVEY

Abortiporus biennis	path	JDS	23.09.13
Coughton Court (SP084604)			
** Puccinia chaerophylli	on <i>Myrrhis odorata</i> cultivar	GMB	03.07.13
Draycote Meadows Nature Reserve SSSI			
Entoloma porphyrophaeum	grassland	JRR	29.10.13
Hygrocybe chlorophana	grassland	JRR	29.10.13
Hygrocybe conica	grassland	JRR	29.10.13
Hygrocybe pratensis	grassland	JRR	29.10.13
Hygrocybe psittacina	grassland	JRR	29.10.13
Grendon Common (SP282982)			
Suillus variegatus		KR//DC	08.10.13
Hay Wood			
** Buchwaldoboletus lignicola	on <i>Pinus</i> stump with <i>Phaeolus schweinitzii</i>	DC	13.09.13
Kenilworth Common Local Nature Reserve			
Mycena amicta (blue and white caps)	fallen branch, broad-leaved	JDS	14.09.13
Lapworth Cricket Club			
Geoglossum fallax	short turf	JRR	15.11.13
Hygrocybe calyptriformis	short turf	JRR	15.11.13
Hygrocybe ceracea	short turf	JRR	15.11.13
Hygrocybe pratensis	short turf	JRR	15.11.13
Lea Marston (SP2092)			
Crucibulum laeve		John Bates	05.01.13
New Close Wood			
Asterophora parasitica	on <i>Russula densifolia</i>	JDS	19.09.13
Stropharia pseudocyanea	pathside, soil, nettles	JDS	21.10.13
Fomes fomentarius	lots on fallen <i>Betula</i> trunks	JDS	19.09.13
Oakley Wood Nature Reserve			
Asterophora parasitica	on <i>Russula nigricans</i>	JRR	07.11.13
Oakwood and Blacklow Spinneys Nature Reserve			
Rhodotus palmatus	dead <i>Ulmus</i>	JRR	12.10.13
Oldberrow Churchyard (SP121659)			
** Ustilago succisae	in anthers of <i>Succisa pratensis</i>	GMB	01.09.13
** Podosphaera aphanis (Sphaerotheca) (A)	on <i>Alchemilla</i>	GMB	01.09.13
Packwood House NT Wellie Trail			
Rhodotus palmatus	dead <i>Ulmus</i>	JRR	06.10.13
Ryton Pool			
Cortinarius (Sericeocybe) alboviolaceus	under <i>Salix</i>	JDS	29.10.13
Cortinarius (Telamonia) saturninus	pathside	JDS	29.10.13
Suillus luteus	under <i>Pinus</i>	JDS	29.10.13
Tricholoma cingulatum	under <i>Salix</i>	JDS	29.10.13
Ryton Wood Nature Reserve SSSI			
Asterophora lycoperdoides	on <i>Russula nigricans</i>	JRR	15.09.13
* Boletus luridiformis	broad-leaved woodland	JDS	05.10.13

WARWICKSHIRE FUNGUS SURVEY

Shadowbrook Meadows Nature Reserve SSSI

Panaeolus acuminatus	grassland	DJA	26.05.13
Polyporus squamosus	on <i>Fraxinus</i>	DJA	26.05.13
Xenodochnus carbonarius (I)	on <i>Sanguisorba officinalis</i>	Monika Walton/GMB	26.05.13

Snitterfield Bushes Nature Reserve SSSI

Geoglossum fallax	short, damp turf	JRR	17.10.13
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Southam Area

Coprinus comatus	278 in field (SP425646)	Natalie Walker	31.10.13
Rhodotus palmatus	on <i>Ulmus</i> , hedgerow (SP422627)	Natalie Walker	

Stockton Cutting Nature Reserve SSSI

Peziza proteana f. sparassoides	bonfire site	JRR	12.11.13
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Wappenbury Wood Nature Reserve

Chlorociboria aeruginascens	dead <i>Betula</i>	JRR	07.10.13
Cortinarius (Phlegmacium) triumphans	under deciduous	JRR	07.10.13
Crepidotus cinnabarinus	on wet, rotting <i>Populus</i>	JRR	15.10.13
* Russula pseudointegra	broad-leaved woodland	JDS	22.09.13
* Tubaria conspersa	path, soil	JDS	22.09.13
* Fomes fomentarius	fallen <i>Betula</i> trunk (Old Nun Wood)	JDS	22.09.13
Fomes fomentarius	on <i>Betula</i> (SP380712)	JRR/Martyn Ainsworth	15.10.13
* Ganoderma applanatum	on <i>Betula pendula</i>	JRR/AWB	07.10.13
Hapalopilus nidulans	dead <i>Betula</i>	JRR	07.10.13

Where have the mycorrhizal fungi gone?

As the years have gone by I have been disappointed by the number and variety of mycorrhizal fungi found in Warwickshire (VC38). To test this subjective view I have analysed the foray records for the *Lactarius* sp. over the past 32 years for which I have the annual newsletters, selecting those forays from the scheduled programme. I have chosen *Lactarius* as a common, easy to identify (at least to genus) and typical mycorrhizal species. The summary results are shown in Table 1 and are quite startling.

Table 1

Lactarius foray records in 8 year groups

Years	Forays	Species	Records
1982-1989	78	26	199
1990-1997	73	20	133
1998-2005	80	18	115
2006-2013	81	17	79
1982-2013	312	28	526

WARWICKSHIRE FUNGUS SURVEY

Table 2

Lactarius	Foray records in 8 year groups				
	Total	1982-1989	1990-1997	1998-2005	2006-2013
acerrimus	1	1	0	0	0
aurantiacus	12	1	3	7	1
blennius	9	2	4	1	2
camphoratus	16	5	2	5	4
chrysorrhoeus	7	4	1	2	0
controversus	1	1	0	0	0
deterimus	4	1	2	1	0
flexuosus	1	1	0	0	0
fuliginosus	1	0	0	0	1
fulvissimus	8	5	1	1	1
glyciosmus	39	17	11	8	3
hepaticus	3	1	1	0	1
lilacinus	1	0	1	0	0
mairei	1	1	0	0	0
obscuratus	5	2	2	0	1
piperatus	6	3	2	1	0
pubescens	29	9	7	9	4
pyrogalus	26	12	4	4	6
quietus	88	28	23	23	14
rufus	36	19	13	1	3
subdulcis	46	22	9	9	6
subumbonatus	11	5	0	1	5
tabidus	87	26	18	24	19
torminosus	6	3	0	1	2
turpis	63	19	23	15	6
vellereus	5	3	2	0	0
vietus	13	7	4	2	0
volemus	1	1	0	0	0
Total	526	199	133	115	79

I have listed all the relevant foray records in Table 2 and the readers can draw their own conclusions. It is possible that the choice and maturity of sites, timing of visits or the expertise of the group members has changed but the sample size should be large enough to counter those arguments. What is the cause – climate change / global warming / etc? Have other counties noticed a similar tendency?

One interesting item is the decline of *L. rufus* from 32 records in the first 16 years to 4 in the second 16. I know that many conifers are being removed but it is implausible that the decline is a consequence of this. *L. quietus* and *L. tabidus* are fighting it out for first place and in the last eight years have been the only species whose records are in double figures. Seven species only have one record.

It should be mentioned that the county list contains several more species that have been found independently.

John Sells