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Alan D. Parker

*University of Wisconsin-Waukesha*

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# A Survey of Fungi at the University of Wisconsin-Waukesha Field Station

**Alan D. Parker**

Department of Biological Sciences  
University of Wisconsin-Waukesha  
Waukesha, Wisconsin 53188

## Introduction

The University of Wisconsin-Waukesha Field Station was founded in 1967 through the generous gift of a 98 acre farm by Ms. Gertrude Sherman. The facility is located approximately nine miles west of Waukesha on Highway 18, just south of the Waterville Road intersection.

The site consists of rolling glacial deposits covered with old field vegetation, 20 acres of xeric oak woods, a small lake with marshlands and bog, and a cold water stream. Other communities are being established as a result of restoration work; among these are mesic prairie, oak opening, and stands of various conifers.

A long-term study of higher fungi and Myxomycetes, primarily from the xeric oak woods, was started in 1978. Collections have been made periodically since then, and recent sampling in conifer plantations indicates that characteristic ectomycorrhizal species of Basidiomycetes are beginning to appear in these communities. To date seven Myxomycetes, 22 Ascomycetes, and 107 Basidiomycetes have been identified from various habitats. These data will be incorporated into a master list of fungi generated from long-term surveys at several additional sites in southeastern Wisconsin.

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## Species List

### MYXOMYCETES

#### LICEALES

##### Reticulariaceae

- Lycogala epidendrum* (L.) Fr.
- Reticularia lycoperdon* Bull.
- Reticularia splendens* Morg.

#### PHYSARALES

##### Physaraceae

- Physarum viride* (Bull.) Pers.

#### PRICHIALES

##### Trichiaceae

- Arcyria cinerea* (Bull.) Pers.
- Hemitrichia clavata* (Pers.) Rost.
- Metatrichia vesparium* (Batsch) Nann.-Brem.

### ASCOMYCETES

#### HELOTIALES

##### Geoglossaceae

- Geoglossum glutinosum* Pers. ex Fr. (Earth tongue)

##### Helotiaceae

- Bisporella citrina* (Batsch ex Fr.) Korf & Carp. (Yellow cup)
- Hymenoscyphus fructigenus* (Bull.) S.F. Gray
- Leotia lubrica* (Scop.) Pers. (Jelly babies)

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HYPOCREALES

Hypocreaceae

*Hypocrea* sp.

*Hypomyces chrysostomus* Berk. & Broome on

*Ganoderma applanatum*

*Hypomyces tremellicola* (Ellis & Everh.)

Rogerson on *Crepidotus* Sp.

PEZIZALES

Helvellaceae

*Helvella crispa* Fr. (Elfin saddle)

*Helvella lacunosa* Afz. (Saddle fungus)

*Helvella macropus* (Pers.) P. Karst. (Saddle  
fungus)

*Helvella* sp.

Humariaceae

*Humaria hemisphaerica* (Wigg.) Fuckel

Pezizaceae

*Peziza* sp.

XYLARIALES

Xylariaceae

*Apiosporina morbosa* (Fr.) von Arx (Black knot)

*Camarops petersii* (Berk. & Curt.) Nannf.

*Daldinia concentrica* (Bolt.) Ces. & deNot.  
(Cramp balls)

*Hypoxylon* sp.

*Hypoxylon* sp.

*Rosellinia* sp.

*Ustulina deusta* (Hoffm.) Lind

*Xylaria hypoxylon* (L.) Grev.

*Xylaria polymorpha* (Pers.) Grev. (Dead man's  
fingers)

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## HOLOBASIDIOMYCETES - HYMENOMYCETES

### AGARICALES

#### Agaricaceae

*Agaricus* sp.

#### Amanitaceae

*Amanita vaginata* (Bull. ex Fr.) Vitt.

*Amanita virosa* Secr. (Death Angel)

#### Bolbitiaceae

*Agrocybe erebia* (Fr.) Kuhner

#### Boletaceae

*Boletus* sp.

*Leccinum* sp.

*Suillus americanus* (Pk.) Snell in Slipp & Snell  
(Bolete)

*Suillus grevillei* (Klotzsch) Singer (Bolete)

*Strobilomyces floccopus* (Vahl ex Fr.) Karst.  
(Bolete)

#### Coprinaceae

*Coprinus radians* (Desm.) Fr. (Inky cap)

*Panaeolus foenisecii* Kuhner (Lawn mower's  
mushroom)

*Psathyrella* sp.

#### Crepidotaceae

*Crepidotus*

#### Entolomataceae

*Entoloma abortivum* (Berk. & Curt.) Donk  
(Aborted Entoloma)

#### Gomphidiaceae

*Chroogomphus vinicolor* (Pk.) O.K. Miller

#### Hygrophoraceae

*Hygrophorus cantharellus* (Schw.) Lange  
(Waxy cap)

*Hygrophorus conicus* (Fr.) Fr. (Red cone waxy  
cap)

*Hygrophorus psittacinus* Fr. (Parrot waxy cap)

#### Lepiotaceae

*Lepiota cristata* (Fr.) Kummer

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Pluteaceae

*Pluteus cervinus* (Schaeff. ex Fr.) Kummer  
(Fawn mushroom)

Russulaceae

*Lactarius* sp.

*Lactarius* sp.

*Lactarius* sp.

*Russula foetens* Fr.

*Russula virescens* Fr. (Green Russula)

Tricholomataceae

*Armillaria mellea* (Fr.) Karst. (Honey mushroom)

*Asterophora lycoperdoides* Ditmar ex S.F. Gray

*Clitocybe nuda* (Bull. ex Fr.) Big. & A.H. Smith

*Flammulina velutipes* (Fr.) Karst. (Velvet stem)

*Laccaria laccata* (Fr.) Berk. & Broome

*Laccaria ochropurpurea* (Berk.) Pk.

*Lentinellus cochleatus* (Pers. ex Fr.) Karst.

*Lentinellus ursinus* (Fr.) Kuhn.

*Marasmius oreades* (Bolt. ex Fr.) Fr. (Fairy ring mushroom)

*Marasmius scorodoni* (Fr.) Fr.

*Marasmius siccus* (Schw.) Fr. (Pinwheel mushroom)

*Mycena galericulata* (Scop. ex Fr.) S.F. Gray

*Mycena haematopus* (Pers. ex Fr.) Kummer  
(Bleeding *Mycena*)

*Oudemansiella radicata* (Fr.) Sing. (Rooting *Collybia*)

*Panellus stypticus* (Fr.) Karst.

*Pleurotus ostreatus* Fr. (Oyster mushroom)

*Xeromphalina campanella* (Bat. ex Fr.) Kuh. & Maire

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APHYLLOPHORALES

Clavariaceae

- Clavariadelphus pistillaris* (Fr.) Donk (Club coral)  
*Clavicornia pyxidata* (Fr.) Doty (Crown-tipped coral)  
*Ramaria* sp.  
*Ramaria* sp.

Cantharellaceae

- Cantharellus cibarius* Fr. (Golden Chanterelle)  
*Craterellus fallax* A.H. Smith (Black trumpet)

Corticiaceae

- Aleurodiscus oakesii* (Berk. & Curt.) Hoehn. & Litsch.  
*Dendrothele nivosa* (Berk. & Curt. ex Hoehn. & Litsch.) Lemke

Ganodermataceae

- Ganoderma applanatum* (Pers. ex Wallr.) Pat.  
(Artist's conk)

Hydnaceae

- Hydnellum* sp.

Hymenochaetaceae

- Hymenochaete rubiginosa* (Dicks.:Fr.) Lev.  
*Phellinus gilvus* (Schw.) Pat.  
*Phellinus robineae* (Murr.) A. Ames (Black locust Phellinus)  
*Phellinus* sp.

Lachnocladiaceae

- Vararia investiens* (Schw.) Karst.

Meruliaceae

- Merulius tremellosus* Fr.

Polyporaceae

- Bjerkandera adusta* (Willd.:Fr.) Karst.  
*Ceriporiopsis pannocinta* (Rom.) Gilbn. & Ryv.  
*Cerrena unicolor* (Fr.) Murr.  
*Daedaleopsis confragosa* (Bolt.:Fr.) Schroet.  
*Gloeoporus dichorus* (Fr.) Bres.

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*Grifola frondosa* (Fr.) S.F. Gray (Hen of the woods)  
*Haplophilus nidulans* (Fr.) Karst.  
*Irpex lacteus* (Fr.:Fr.) Fr.  
*Ischnoderma resinoseum* (Fr.) Karst. (Resin polypore)  
*Laetiporus sulphureus* (Bull.:Fr.) Murr. (Sulfur shelf)  
*Perenniporia ohiensis* (Berk.) Ryv.  
*Polyporus alveolaris* (DC.:Fr.) Bond. & Sing.  
*Polyporus badius* (Pers.:S.F. Gray) Schw.  
*Polyporus* sp.  
*Trichaptum bififormis* (Fr. in Kl.) Ryv.  
*Tyromyces* sp.

Schizophyllaceae

*Schizophyllum commune* Fr. (Split gill)

Stereaceae

*Stereum cinerascens* (Schw.) Cunn.

*Stereum complicatum* (Fr.) Fr.

*Stereum ostrea* (Blume & Nees:Fr.) Fr. (False turkeytail)

*Xylobolus frustulatus* (Pers. ex Fr.) Boid.

Thelephoraceae

*Thelephora terrestris* Fr.

*Thelephora* sp.

## HOLOBASIDIOMYCETES - GASTEROMYCETES

### LYCOPERDALES

Geastraceae

*Geastrum rufescens* Pers. (Earthstar)

Lycoperdaceae

*Bovista plumbea* Pers.

*Calvatia cyathiformis* (Bosc) Morg. (Purple-spored puffball)

*Calvatia gigantea* (Pers.) Lloyd (Giant puffball)

*Lycoperdon perlatum* Pers.:Pers. (Gem-studded puffball)



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*Lycoperdon pyriforme* Schaeff.:Pers. (Pear-shaped puffball)

*Lycoperdon* sp.

*Vascellum curtisii* (Berk.) Kreisel

#### NIDULARIALES

##### Nidulariaceae

*Crucibulum vulgare* Tul. (Bird's nest fungus)

##### Sphaerobolaceae

*Sphaerobolus stellatus* Pers.

#### PHALLALES

##### Phallaceae

*Mutinus caninus* (Pers.) Fr. (Dog stinkhorn)

##### Hysterangiaceae

*Phallogaster saccatus* Morgan

#### SCLERODERMATALES

##### Sclerodermataceae

*Scleroderma areolatum* Ehrenb.

*Scleroderma citrinum* Pers. (Hard-shelled puffball)

*Scleroderma michiganense* (Guzman) Guzman

#### HETEROBASIDIOMYCETES

#### DACRYMYCETALES

##### Dacrymycetaceae

*Dacrymyces ellisii* Coker (Orange jelly fungus)

*Dacryopinax elegans* (Berk. & Curt.) Martin

#### TREMELLALES

##### Tremellaceae

*Exidia glandulosa* Fr.

*Sebacina* sp.

*Tremella reticulata* (Berk.) Farlow

*Tremellodendron pallidum* (Schw.) Burt

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