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

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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.

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)

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)

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

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

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.

Grifola frondosa (Fr.) S.F. Gray (Hen of the woods)
Haplophilus nidulans (Fr.) Karst.
Irpex lacteus (Fr.:Fr.) Fr.
Ischnoderma resinosum (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)

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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