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A PRELIMINARY SURVEY OF FUNGI AT THE UWM FIELD STATION

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Three previous accounts of fungi occurring at the Field Station have appeared in the Bulletin. The first inventory of seventy-five species, including 29 plant pathogens, was published by Baxter (1970). Baxter and Bronaugh (1974) isolated four species of aquatic Hyphomycetes during their study of this group in southeastern Wisconsin. Ciombor and Dibben (1984) identified 29 fungi, 23 of which had not been previously reported. In addition, Baxter (1973) listed the following five fungi as new records for Wisconsin, but did not indicate where they were collected: Helvella underwoodii Seaver (Gyromitra brunnea Underw.), Phlogiotus helvelloides (Fr.) Martin, Auricularia polytricha (Mont.) Sacc., Sparassis crispa Wulf. ex Fr., and Tremella fuciformis Berk.

The present paper reports 71 species, 46 of which are new records. Also included is a summary of all taxa, 147 species, that have been recorded from the Field Station to date. The groups represented include 8 Myxomycetes, 10 Deuteromycetes, 25 Ascomycetes, 33 Agaricales, 38 Aphylllophorales, 4 Gasteromycetes, and 28 Heterobasidiomycetes. The following abbreviations are used in the species list to indicate collectors: B - Baxter (1970), B & B - Baxter and Bronaugh (1974), C - Ciombor and Dibben (1984), P - Parker.

SPECIES LIST

Myxomycetes

Ceratiomyxaceae

Ceratiomyxa fruticulosa (Mull.) MacBr. - C

Didymiaceae

Didymium sp. - P

Physaraceae

Badhamia utricularis (Bull.) Berk. - P

Fuligo septica (L.) Wiggers - B

Fuligo sp. - B

Reticulariaceae

Lycogala epidendrum (L.) Fr. - B, P

Stemonitaceae

Stemonitis fusca Roth - C

Trichiaceae

Arcyria cinerea (Bull.) Pers. - P

Hemitrichia clavata (Pers.) Rost. - P

Deuteromycetes

Dematiaceae

- Casaresia sphagnorum Fragoso - B & B
- Cercospora zebrina Pass. - B
- Helminthosporium maydis Nisik. et Miyak. - B
- Helminthosporium turcicum Pass. - B
- Stemphylium botryosum Wallr. - B

Moniliaceae

- Alatospora acuminata Ing. - B & B
- Speiropsis irregularis Petersen - B & B
- Tetracladium maxilliformis (Rostrop) Ing. - B & B
- Trichothecium roseum Link ex Fr. - B

Sphaerioidaceae

- Ascochyta imperfecta Peck - B

Ascomycetes

Clavicipitaceae

- Claviceps purpurea (Fr.) Tul. - B (Ergot)

Erysiphaceae

- Erysiphe graminis DC. - B (Powdery Mildew)
- Erysiphe polygoni DC. - B (Powdery Mildew)

Helotiaceae

- Bisporella citrina (Batsch ex Fr.) Korf & Carp. - C, P

Helvellaceae

- Helvella crispa Fr. - B, P (Elfin Saddle)

Humariaceae

- Scutellinia scutellata (L. ex St. Amans) Lambotte - B, C (Eyelash Cup)

Hypocreaceae

- Hypocrea patella Cooke & Peck - P
- Nectria episphaeria (Tode) Fr. - P

Hypomycetaceae

- Hypomyces luteovirens (Fr.) Tul. - C

Leotiaceae

- Holwaya mucida (Schulzer) Korf & Abawi in the conidial stage:
- Crinula caliciiformis (Fr.) Fr. - P

Morchellaceae

- Gyromitra brunnea Underw. - P (False Morel)
- Morchella esculenta (L.) Pers. - B (Common Morel)
- Morchella semilibera Quel. - B (Half-free Morel)

Pezizaceae

- Peziza repanda Pers. - B

Phyllachoraceae

- Phyllachora graminis (Pers.) Fuckel - B

Sarcosomataceae

Sarcoscypha coccinea (Scop.) Lambotte - B (Scarlet Cup)

Sarcoscypha occidentalis (Schw.) Sacc. - P (Summer Cup)

Urula craterium (Schw.) Fr. - B (Black Goblet)

Venturiaceae

Venturia inaequalis (Cooke) Wint. - B (Apple Scab)

Xylariaceae

Daldinia concentrica (Bolt.) Ces. & deNot. - B, P (Cramp Balls)

Hypoxylon sp. - P

Ustulina deusta (Hoffm.) Lind - C

Xylaria polymorpha (Pers. ex Merat) Grev. - B, C, P (Dead Man's Fingers)

Xylaria sp. - P

Basidiomycetes

Agaricales

Agaricaceae

Agaricus silvicola (Vitt.) Sacc. - B

Boletaceae

Leccinum aurantiacum (St. Amans) S.F. Gray - B (Orange Bolete)

Suillus luteus (L. ex Fr.) S.F. Gray - B (Slippery Jack)

Coprinaceae

Coprinus atramentarius (Bull. ex Fr.) Fr. - B (Inky Cap)

Coprinus comatus (Fr.) S.F. Gray - B (Shaggy Mane)

Coprinus micaceus (Bull. ex Fr.) Fr. - B (Inky Cap)

Cortinariaceae

Psatharella velutina (Pers. ex Fr.) Sing. - P

Entolomataceae

Entoloma abortivum (Berk. & Curt.) Donk - B, P (Aborted Entoloma)

Hygrophoraceae

Hygrophorus conicus (Fr.) Fr. - B (Red Cone)

Hygrophorus sp. - P

Lepiotaceae

Leucoagaricus naucinus (Fr.) Sing. - B (Smooth Lepiota)

Pluteaceae

Pluteus cervinus (Fr.) Kumm. - P (The Fawn)

Russulaceae

Lactarius deliciosus (Fr.) S.F. Gray - B (Milk-cap)

Lactarius torminosus (Fr.) S.F. Gray - B (Milk-cap)

Strophariaceae

Naematoloma sublateritium (Fr.) Quel. - B (Brick Top)

Pholiota squarrosa-adiposa J. Lange - B (Scaly Pholiota)

Pholiota squarrosoides (Pk.) Sacc. - C (Sharp-scaled Pholiota)

Tricholomataceae

Armillariella mellea (Fr.) Karst. - B, P (Honey Mushroom)

- Clitocybe nuda (Bull. ex Fr.) Big. & A.H. Smith - P (Blewit)
Flammulina velutipes (Fr.) Karst. - B (Velvet Stem)
Lentinellus ursinus (Fr.) Kuhn. - P
Marasmius oreades (Bolt. ex Fr.) Fr. - B (Fairy Ring Mushroom)
Marasmius rotula (Scop. ex Fr.) Fr. - P
Marasmius siccus (Schw.) Fr. - P
Mycena haematopus (Pers. ex Fr.) Kum. - C (The Bleeder)
Mycena leaiana (Berk.) Sacc. - C (Golden Mycena)
Mycena murina Murr. - C
Oudemansiella radicata (Fr.) Sing. - C, P (The Rooter)
Panellus serotinus (Fr.) Kuhn. - B, P (Little Olive)
Pleurotus ostreatus Fr. - B (Oyster Mushroom)
Pleurotus ulmarius (Fr.) Kum. - B, P (Elm Pleurotus)
Pleurocybella porrigens (Pers. ex Fr.) Sing. - C (Angel Wings)
Phyllotopsis nidulans (Pers. ex Fr.) Sing. - C, P
- Aphyllophorales
- Auriscalpiaceae
- Auriscalpium vulgare S.F. Gray - P (Pine Cone Tooth)
- Clavariaceae
- Clavaria spp. - B
Clavulina sp. - P
- Corticiaceae
- Aleurodiscus oakesii (Berk. & Curt.) Hoen. & Litsch. - P
Dendrothele candida (Schw.) Burt - P
- Ganodermataceae
- Ganoderma applanatum (S.F. Gray) - B, C, P (Artist's Conk)
- Hericiaceae
- Hericium coralloides (Fr.) S.F. Gray - B, C, P (Bear's Head)
Hericium erinaceus (Fr.) Pers. - P (Medusa's Head)
- Hydnaceae
- Climacodon septentrionale (Fr.) Karst. - C
- Hymenochaetaceae
- Inonotus radiatus (Sow.) Karst. - P
Phellinus gilvus (Schw.) Pat. - P
Phellinus igniarius (Fr.) Quel. - P
Phellinus robustus (P. Karst.) Bourd. & Galz. - B
- Meruliaceae
- Merulius tremellosus Fr. - P
Phlebia radiata Fr. - P
- Polyporaceae
- Albatrellus cristatus (Fr.) Kotl. & Pouz. - P
Bjerkandera adusta (Fr.) Karst. - P
Cerrena unicolor (Fr.) Murr. - C

Coriolus versicolor (Fr.) Quel. - B, C, P (Turkey Tail)
Daedaleopsis confragosa (Fr.) Schroet. - C, P
Fomes fomentarius (Fr.) Kickx - C, P (Tinderwood)
Gloeoporus dichorus (Fr.) Bres. - P
Irpex lacteus (Fr.) Fr. - C, P
Ischnoderma resinosum (Fr.) Karst. - P
Perenniporia ohiensis (Berk.) Ryv. - P
Piptoporus betulinus (Bull.:Fr.) Karst. - B, C, P (Birch conk)
Polyporus arcularius Bat. ex Fr. - C
Polyporus badius (S.F. Gray) Schw. - C, P
Polyporus brumalis Fr. - P
Polyporus radicans Schw. - P (Rooting Polypore)
Polyporus squamosus Fr. - P (Scaly Polypore)
Polyporus varius Fr. - P
Spongipellis sp. - C
Trametes sp. - P

Schizophyllaceae

Schizophyllum commune Fr. - P (Split Gill)

Stereaceae

Stereum complicatum (Fr.) Fr. - P
Stereum ostrea (Blume & Nees:Fr.) Fr. - C, P
Xylobolus frustulatus (Pers. ex Fr.) Boid. - C

Gasteromycetes

Lycoperdaceae

Calvatia gigantea (Bat. ex Pers.) Lloyd - B (Giant Puffball)
Lycoperdon perlatum Pers.:Pers. - B, P (Gem-studded Puffball)

Lycoperdaceae Contd.

Lycoperdon pyriforme Schaeff.:Pers. - B, P (Pear-shaped Puffball)

Sclerodermataceae

Scleroderma michiganense (Guzman) Guzman - P (Hard-shelled Puffball)

Heterobasidiomycetes

Auriculariaceae

Auricularia auricula (Hook.) Underw. - B (Juda's Ear)

Coleosporiaceae

Coleosporium asterum Syd. - B

Dacrymycetaceae

Calocera cornea (Fr.) Loudon - B, P
Dacrymyces ellisii Coker - P
Dacrypynax spathularia (Schw.) Martin - P

Phleogenaceae

Phleogenia faginea (Fr.) Link - P

Pucciniaceae

Gymnosporangium globosum Farl. - B

Puccinia anemones-virginianae Schw. - B
Puccinia asparagi DC. - B
Puccinia asteris Duby - B
Puccinia bardanae (Wallr.) Cda. - B
Puccinia circaeae Pers. - B
Puccinia coronata Cda. - B
Puccinia graminis Pers. - B
Puccinia hieracii (Schum.) Mart. - B
Puccinia malvacearum Bert. - B
Puccinia menthae Pers. - B
Puccinia podophylli Schw. - B
Puccinia polygoni-amphibii Cruch. & May. - B
Puccinia recondita D. & H. - B
Puccinia violae (Schum.) DC. - B
Uromyces striatus Schroet. - B
Uromyces trifolii (Hedw.) Lev. - B

Tremellaceae

Exidia glandulosa Fr. - P
Exidia nucleata (Schw.) Burt - P
Phlogiotus helvelloides (Fr.) Martin - P (Apricot Jelly)
Tremella reticulata (Berk.) Farlow - P
Tremella sp. - B

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