

A PRELIMINARY CHECKLIST OF FLESHY FUNGI FROM JACKSON AND UNION COUNTIES, ILLINOIS

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The fleshy fungi of southern Illinois have not been studied as much as the flowering plants. McDougall's report (1917) of eleven species from Jackson and/or Union Counties is the only reference we have found concerning the mushrooms of this area. Collections made in the fall of 1962 in Jackson and Union Counties are reported here as a preliminary list (Table 1).

COLLECTION AREAS

The principal collecting sites were Giant City State Park, Pine Hills, Midland Hills Woods, and Thompson Point Woods on the campus of Southern Illinois University. Giant City State Park lies in the southeastern part of Jackson County and the north-central part of Union County, Illinois. The topography of

TABLE 1.—Species of Fleshy Fungi Collected from Jackson and Union Counties, Illinois. An asterisk indicates a species reported by McDougall (1917) from the county(ies) listed.

Auriculariaceae

Auricularia auricula-judae (L.) Berk., Pine Hills, Union Co.

Tremellaceae

Eridia glandulosa (Bull.) Fr., Pine Hills, Union Co.

Thelephoraceae

Stereum frustulosum (Pers.) Fr., Thompson Point Woods, Jackson Co.

Stereum hirsutum (Willd.) Pers., Midland Hills Woods, Jackson Co.

Stereum versicolor (Schw.) Fr., Midland Hills Woods, Jackson Co.

Clavariaceae

Clavaria stricta (Fr.) Quel., Thompson Point Woods, Jackson Co.

Hydnaceae

Gloiodon strigosus (Fr.) Karst., Pine Hills, Union Co.

Hericium erinaceus (Fr.) Pers., Pomona Road, Jackson Co.

Polyporaceae

Daedalea ambigua Berk., Midland Hills Woods, Jackson Co.

Daedalea confragosa Bolt. ex Fr., Southern Hills Woods, Jackson Co.

Favolus alveolaris (DC. ex Fr.) Quel., Thompson Point Woods, Jackson Co.

Pomes applanatus (Pers. ex Wallr.) Gill., Thompson Point Woods, Jackson Co.

Pomes fraxinophilus (Pk.) Sacc., Thompson Point Woods, Jackson Co.

Merulius sp., Midland Hills Woods, Jackson Co.

Polyporus frondosus Dicks. ex Fr., Thompson Point Woods, Jackson Co.

Polyporus lucidus Leys. ex Fr., Thompson Point Woods, Jackson Co.

Polyporus pargamennus Fr., Giant City State Park, Jackson Co.

Polyporus picipes Fr., Giant City State Park, Union Co.

Polyporus sulphureus Bull. ex Fr., Thompson Point Woods, Jackson Co.

Polyporus versicolor L. ex Fr., Midland Hills Woods, Jackson Co.

Strobilomyces strobilaceus Berk.*, Union Co.

Agaricaceae

White-spored forms:

- Amanita pantherina* Fr., Giant City State Park, Union Co.
Amanita spreta Pk., Giant City State Park, Jackson Co.
Amanita verna Fr.*, Giant City State Park, Union Co.
Amanitopsis albocreata Atk., Midland Hills Woods, Jackson Co.
Amanitopsis vaginata (Bull.) Roz.*, Jackson and Union Co.
Cantharellus cibarius Fr.*, Jackson and Union Co.
Cantharellus aurantiacus Fr.*, Jackson and Union Co.
Clitocybe illudens Schw., Thompson Point Woods, Jackson Co.
Clitocybe infundibuliformis Fr., Giant City, Jackson Co.; Pine Hills, Union Co.
Clitocybe multiceps Pk., Giant City, Union Co.
Clitocybe ochropurpurea Berk., Midland Hills Woods, Jackson Co.
Clitocybe odora Fr., Midland Hills Woods, Jackson Co.
Collybia alcalinolens Pk., Giant City State Park, Jackson Co.
Collybia delicatella Pk., Giant City State Park, Jackson Co.
Collybia dryophila Fr., Midland Hills Woods, Jackson Co.
Collybia fuliginella Pk., Pine Hills, Union Co.
Collybia radicata Rehl.*, Jackson and Union Co.
Hygrophorus unquinosus Fr., Giant City State Park, Union Co.
Lactarius piperatus Fr.*, Jackson and Union Co.
Lactarius volemus Fr.*, Jackson and Union Co.
Lepiota naucina Fr., Thompson Point Woods, Jackson Co.
Lepiota procera Fr., Thompson Point Woods, Jackson Co.
Marasmius androsaceus Fr., Giant City State Park, Jackson Co.
Marasmius rotula Fr., Midland Hills Woods, Jackson Co.
Mycena clavicularis Fr. var. *luteipes*, Giant City State Park, Union Co.
Mycena haematopa Fr., Midland Hills Woods, Jackson Co.
Panus angustatus Berk., Midland Hills Woods, Jackson Co.
Pleurotus ostreatus Fr.*, Pine Hills, Union Co.
Russula virescens Fr.*, Union Co.
Schizophyllum commune Fr., Thompson Point Woods, Jackson Co.
Tricholoma personatum Fr., Thompson Point Woods, Jackson Co.
Tricholoma resplendens Fr., Giant City State Park, Union Co.

Pink-spored forms:

Pluteus cervinus Schaeff.*, Jackson and Union Cos.

Black-spored forms:

- Coprinus atramentarius* Fr., Pine Hills, Union Co.
Coprinus comatus Fr., Giant City State Park, Jackson Co.
Coprinus micaceus Fr., Giant City State Park, Jackson Co.

Purple-brown-spored forms:

Agaricus abruptibulbus Pk., Pine Hills, Union Co., Thompson Point Woods, Jackson Co.

Agaricus placomyces Pk., lawn on Skyline Drive, Carbondale, Jackson Co.

Ochre-spored forms:

- Cortinarius cinnamomeus* Fr., Thompson Point Woods, Jackson Co.
Cortinarius prasinus Fr., Midland Hills Woods, Jackson Co.
Cortinarius privignus Fr., Giant City State Park, Jackson Co.
Hebeloma surjense Karst., Giant City State Park, Union Co.
Hypoloma incertum Pk. var. *sylvestris*, Giant City State Park, Union Co.
Hypoloma velutinum (Fr.) Quel., Southern Illinois University Campus, Jackson Co.
Pholiota aegerita Fr., Pine Hills, Union Co.

Lycoperdaceae

- Calvatia craniformis* (Schw.) Fr., Pine Hills, Union Co.
Lycoperdon umbrinum Pers., Pine Hills, Union Co.
Lycoperdon polymorphum Vitt., Pine Hills, Union Co.; Southern Illinois University Campus, Jackson Co.
Lycoperdon pyriforme Pers., Pine Hills, Union Co.

Phallaceae

- Mutinus caninus* (Pers.) Fr. var. *caninus*, Thompson Point Woods, Jackson Co.

Nidulariaceae

Crucibulum vulgare Tul., Midland Hills Woods, Jackson Co.

Cyathus striatus (Huds.) Hoffm., Midland Hills Woods, Jackson Co.

Cyathus vernicosus Bull., Thompson Point Woods, Jackson Co.

(Saccardo lists four varieties of this species; due to the age of the specimen and absence of peridioles, it is difficult to say what variety is present.)

the park consists of deep, narrow or wide channels cut into massive sandstone rock of Pennsylvanian age overlain by Pleistocene loess. The vegetation of this collecting area is quite rich. Mohlenbrock (1954) divides Giant City State Park into nine plant communities. The general area in which we collected would be described best as within the mesic floodplain plant community of the lowlands and talus slopes bordering the lowland. The dominant trees are sugar maple (*Acer saccharum* Marsh.) and American elm (*Ulmus americana* L.). Sour gum (*Nyssa sylvatica* Marsh.) and sugar maple are the dominants on the talus slopes. The shrub layer is composed mostly of spice bush (*Lindera benzoin* (L.) Blume), American bladdernut (*Staphylea trifolia* L.), and running strawberry bush (*Euonymus obovatus* Nutt.).

The Pine Hills area is in the northwest section of Union County. This lowland area borders the road next to the bluffs at the northern limits of LaRue Swamp. The periphery of the swamp is an excellent source for mushrooms.

The Midland Hills collecting area is approximately six miles south of Carbondale near Highway 51 in Jackson County. The topography and vegetation are similar to that of certain areas of Giant City State Park.

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