

## SOME FUNGI FROM CENTRAL TENNESSEE

FREDERICK T. WOLF

*Vanderbilt University, Nashville, Tennessee*

A considerable body of information exists concerning the fungus flora of Tennessee. Among the general reports dealing with all groups of fungi may be mentioned that of Kauffman (1917), who collected 264 species at Elkmont, Sevier County, Tennessee, in 1916. Hesler (1937) has reported over 600 species from the Great Smoky Mountains National Park. Collections of over 500 species made during the 1939 foray of the Mycological Society of America in the Great Smoky Mountains National Park were published by Linder (1941).

Among the numerous papers dealing with particular groups of fungi in the state should be mentioned those of Cooley (1934) and Welden (1951) on the Myxomycetes, Mains (1939) on Cordyceps, Meyer (1941) on coprophilous Ascomycetes, Jones (1935) on the Hydnaceae, Hesler (1929) on the Polyporaceae, Hesler (1930) on the Amanitas, Snell, Smith and Hesler (1940) on the Boletaceae, and Dearness (1941) on the Fungi Imperfecti. The Agaricaceae have been intensively studied by Hesler (1936, 1937a, 1941, 1942, 1943, 1945, 1945a, 1949, 1951) and by Smith and Hesler (1938, 1940, 1943), and hence are far better known in Tennessee than are any other fungi. It should be noted that the series of papers by Hesler is not restricted to the Agaricaceae, but contains information dealing with all groups of fungi.

Since almost all previous mycological work in the state has been pursued in eastern Tennessee, far less is known concerning the fungus flora of the central and western portions of the state. The present report is based upon approximately 900 collections made in central Tennessee, principally within a few miles of Nashville, in the five-year period, 1946-51. The specimens have been deposited in the herbarium of the Department of Biology, Vanderbilt University. In the list which follows, no mention is made of dates or localities of collection, except in the case of specimens determined by specialists, in which reference to a particular collection has seemed desirable. Species which have been particularly common have been indicated as such.

### MYXOMYCETES

Reports of Cooley (1934), Linder (1941), and Welden (1951) deal with this group in Tennessee. Mr. William T. Allman, Jr., has identified many of the specimens in the present list, and has checked the identifications of all of them.

### ORDER CERATIOMYXALES:

*Ceratiomyxa fruticulosa* (Müll.) Macbr. Common.

## ORDER LICEALES:

- Lycogala epidendrum* (L.) Fr.  
*Tubifera ferruginosa* (Batsch) Gmel.

## ORDER TRICHIALES:

- Arcyria cinerea* (Bull.) Pers. A collection made in Percy Warner Park, near Nashville, on October 20, 1949, was determined by Dr. G. W. Martin.  
*Arcyria denudata* (L.) Wettstein. Common.  
*Hemitrichia clavata* (Pers.) Rost. Common.  
*Hemitrichia serpula* (Scop.) Rost.  
*Hemitrichia vesparium* (Batsch) Macbr. Common.  
*Oligonema flavidum* (Pk.) Pk.  
*Perichaena chrysosperma* (Currey) List.  
*Trichia affinis* deBary.  
*Trichia pusilla* (Hedw.) Martin. Synonym, *T. decipiens* (Pers.) Macbr.  
*Trichia varia* (Pers.) Pers. Common.

## ORDER STEMONITALES:

- Comatricha nigra* (Pers.) Schroet.  
*Comatricha typhoides* (Bull.) Rost. A collection made by Dr. H. C. Bold at Radnor Lake, Nashville, on October 11, 1949, was determined by Dr. G. W. Martin.  
*Stemonitis axifera* (Bull.) Macbr.  
*Stemonitis fusca* Roth. Common. A collection made at Ridgetop, Tenn., on April 23, 1948, was determined by Dr. G. W. Martin.  
*Stemonitis pallida* Wingate.  
*Stemonitis splendens* Rost. A collection made in Percy Warner Park on October 16, 1947, was determined by Dr. G. W. Martin.

## ORDER PHYSARALES:

- Badhamia affinis* Rost. Synonym, *Badhamia orbiculata* Rex.  
*Badhamia utricularis* (Bull.) Berk.  
*Diderma globosum* Pers.  
*Didymium squamulosum* (Alb. & Schw.) Fr.  
*Fuligo septica* (L.) Weber. Common.  
*Physarum nucleatum* Rex.  
*Physarum polycephalum* Schw.  
*Physarum pulcherripes* Pk.

## PHYCOMYCETES

A few phycomycetous species have previously been reported from Tennessee by Kauffman (1917), Hesler (1937), and Linder (1941).

## ORDER CHYTRIDIALES:

- Synchytrium decipiens* Farl. On *Amphicarpa monoica* (L.) Ellis.

## ORDER PERONOSPORALES:

- Albugo candida* (Pers.) Kuntze. On *Capsella Bursa-pastoris* (L.) Medic. Common.  
*Albugo ipomoeae-panduranae* (Farl.) Swing. On *Ipomoea* sp.  
*Phytophthora parasitica* Dastur var. *nicotianae* Tucker. On *Nicotiana tabacum* L. Collected on cultivated tobacco of the dark-fired type near Springfield, Tenn., on September 27, 1947, by Dr. D. H. Latham and the writer.  
*Plasmopara viticola* (B. & C.) Berl. & de Toni. On *Vitis* sp.

## ORDER MUCORALES:

- Phycomyces nitens* (Agardh) Kunze & Schmidt. Found abundantly on cottonseed in Obion County, Tenn., by Mr. Lloyd A. King, April 10, 1950.  
*Sporodinia grandis* Link. On unidentified mushroom.

## ASCOMYCETES

Records of collections of Ascomycetes from Tennessee are to

be found in the publications of Kauffman (1917), Mains (1939), Linder (1941), Meyer (1941), and Hesler (1936, 1937, 1937a, 1941, 1942, 1945, 1951).

ORDER TAPHRINALES:

*Taphrina deformans* (Beck.) Tul. On *Prunus* sp. One collection of this species was made by Dr. Jesse M. Shaver near Greeneville, Tenn., on April 28, 1948.

ORDER ERYSHIPHALES:

*Erysiphe cichoracearum* DC. On *Plantago virginica* L., *Hedeoma pulegioides* (L.) P., *Ambrosia elatior* L., *Cirsium* sp., *Taraxacum officinale* Weber, and *Xanthium* sp. Common.

*Erysiphe galeopsidis* DC. On *Verbena urticifolia* L.

*Erysiphe graminis* DC. On unidentified grass.

*Erysiphe polygona* DC. On *Trifolium* spp. Common. Also on *Ranunculus abortivus* L.

*Microsphaera alni* Wallr. Common on *Quercus prinus* L. Also found on *Gleditsia triacanthos* L., *Syringa vulgaris* L., and *Tecoma radicans* L.

*Microsphaera alni* Wallr. var. *vaccinii* Schw. On *Vaccinium* sp.

*Microsphaera diffusa* Cooke & Peck. Common on *Symphoricarpos orbiculatus* Moench. Collected also on *Desmodium paniculatum* (L.) DC. and *Lespedeza* sp.

*Sphaerotheca pannosa* (Wallr.) Lev. On *Rosa* sp.

*Uncinula australiana* McAlpine. On *Lagerstroemia indica* L.

*Uncinula geniculata* Gerard. On *Morus rubra* L.

*Uncinula macrospora* Peck. On *Ulmus alata* Michx.

ORDER HYPOCREALES:

*Hypomyces lactifluorum* (Schw.) Tul. On *Lactarius* sp. Common.

*Nectria cinnabarina* (Tode) ex Fr. Common.

*Nectria episphaeria* (Tode) ex Fr. A collection on *Hypoxylon* sp., made in Percy Warner Park on October 20, 1949, was kindly determined by Dr. F. A. Wolf.

ORDER SPHAERIALES:

*Daldinia concentrica* (Bolt. ex Fr.) Ces. & De Not. Common.

*Diaporthe medusaea* Nit. Synonym, *Diaporthe ailanthi* Sacc. On *Ailanthus altissima* (Mill.) Swingle.

*Diatrype stigma* (Hoff.) De Not.

*Diatrype virescens* (Schw.) Curtis. A specimen collected on Eaton's Creek Road, near Nashville, on January 25, 1950, was kindly determined by Dr. Julian H. Miller.

*Diatrypella prominens* (Howe) Sacc. On *Platanus occidentalis* L. Specimens collected on Eaton's Creek Road on October 3, 1949, and in Percy Warner Park on December 27, 1949, were identified by Dr. F. A. Wolf.

*Hypoxylon atropunctatum* (Schw.) Cke. Common.

*Hypoxylon deustum* (Hoffm. ex Fr.) Grev. Common.

*Hypoxylon fragiforme* (Pers. ex Fr.) Kickx. A specimen collected on Eaton's Creek Road, March 23, 1950, was determined by Dr. Julian H. Miller.

*Hypoxylon hypomiltum* Mont. A specimen collected in Percy Warner Park on December 27, 1949, was determined by Dr. Julian H. Miller.

*Hypoxylon mediterraneum* (De Not.) Miller. A specimen collected at Ridgetop, Tenn., on October 19, 1950, was identified by Dr. Julian H. Miller.

*Hypoxylon punctulatum* (B. & Rav.) Cke. Common.

*Hypoxylon rubiginosum* (Pers.) Fr. Common.

*Hypoxylon truncatum* (Schw. ex Fr.) Miller. Collections made in Edwin Warner Park on April 1, 1948, and on Eaton's Creek Road, March 23, 1950, were identified by Dr. Julian H. Miller.

*Mycosphaerella fragariae* (Tul.) Lindau. On *Fragaria virginiana* Duchesne.

*Ophidothella vaccinii* Boyd. On *Vaccinium arboreum* Marshall.

*Rosellinia subiculata* (Schw. ex Fr.) Sacc. Material collected on Eaton's Creek Road, November 15, 1949, was determined by Dr. Julian H. Miller.

*Sphaerella opuntiae* Ell. & Ev. On *Opuntia Rafinesquii* Engelm. Common.  
*Xylaria cubensis* Mont. Synonym, *Sphaeria flabelliformis* Schw. A specimen collected on Eaton's Creek Road, June 15, 1950, was determined by Dr. Julian H. Miller.

*Xylaria hypoxylon* (L.) Grev. Common.

*Xylaria polymorpha* (Pers.) Grev. Common.

#### ORDER DOTHIDEALES:

*Dibotryon morbosum* (Schw.) T. & S. On *Prunus* sp.

*Phyllachora graminis* (Pers. ex Fr.) Fuckel. On *Arundinaria* sp. and *Paspalum laeve* Michx.

*Phyllachora solidaginum* (Schw.) Sacc. On *Solidago* sp. Material collected in Percy Warner Park, November 3, 1946, was identified by Dr. F. A. Wolf.

#### ORDER HEMISPHAERIALES:

*Morenoella quercina* (Ellis & Martin) Theissen. On *Quercus borealis* Michx. var. *maxima* (Marsh) Ashe.

#### ORDER HYSTERIALES:

*Glonium stellatum* Muhl. ex Fr. A specimen collected in Montgomery Bell State Park, Dickson County, on June 21, 1951, was identified by Dr. Julian H. Miller.

*Hysteroglyphium subrugosum* Cke. & Ell. On *Gleditsia triacanthos* L. A specimen collected in Edwin Warner Park on April 1, 1948, was determined by Dr. Julian H. Miller.

*Hysteroglyphium viticola* (C. & P.) Rehm. On *Vitis* sp. Material collected in Percy Warner Park on December 27, 1949, was determined by Dr. F. A. Wolf.

#### ORDER HELOTIALES:

*Catinella nigroolivacea* (Schw.) Durand. Material collected near Sycamore, Cheatham County, on June 18, 1950, was identified by Dr. Fred J. Seaver.

*Coccomyces hiemalis* Higgins. On *Prunus* sp.

*Rhytisma vaccinii* (Schw.) Fr. On *Polycodium neglectum* Small.

*Sclerotinia fructicola* (Wint.) Rehm. On *Prunus persica* (L.) Sieb. and Zucc.

#### ORDER PEZIZALES:

*Aletria aurantia* (Pers.) Fuckel.

*Bulgaria rufa* Schw.

*Elvela crispa* (Scop.) Fr.

*Humarina gerardi* (Cooke) Seaver.

*Morchella esculenta* (L.) Pers.

*Patella scutellata* (L.) Morgan. Common.

*Paxina acetabulum* (L.) Kuntze.

*Peziza clypeata* Schw.

*Peziza domiciliana* Cooke.

*Peziza sylvestris* (Boud.) Sacc. & Trott. A specimen collected on Eaton's Creek Road, October 3, 1949, was kindly determined by Dr. Fred J. Seaver.

*Plectania floccosa* (Schw.) Seaver.

*Psilopezia flavida* Berk. & Curt. Common.

*Scodellina leporina* (Batsch) Gray. Specimens collected in Montgomery Bell State Park, Dickson County, on June 18, 1950, were kindly identified by Dr. Fred J. Seaver.

*Urnula craterium* (Schw.) Fr. Common.

### BASIDIOMYCETES

ORDER UREDINALES: Records concerning prior collections of rusts in Tennessee are to be found in the papers of Kauffman (1917), Hesler (1936,

- 1937, 1941, 1951), and Linder (1941). Only stages actually collected on the hosts noted are included in the present list.
- Coleosporium elephantopodis* (Schw.) Thüm. Uredia and telia on *Elephantopus carolinianus* Willd. Common.
- Coleosporium ipomoeae* (Schw.) Burr. Uredia on *Ipomoea* sp.
- Coleosporium solidaginis* (Schw.) Thüm. Uredia and telia on *Aster* sp. and *Solidago* sp.
- Coleosporium terebinthinaceae* (Schw.) Arth. Uredia and telia on *Silphium perfoliatum* L.
- Coleosporium vernoniae* B. & C. Uredia on *Vernonia* sp. This collection was made in Rutherford County, on August 23, 1947, by Dr. Jesse M. Shaver.
- Cronartium fusiforme* Hedgc. & Hunt. Aecia on *Pinus virginiana* Mill.
- Frommea obtusa* (Str.) Arth. Aecia and telia on *Potentilla canadensis* L.
- Frommea obtusa duchesneae* Arth. Uredia on *Duchesnea indica* (Andr.) Focke.
- Gymnosporangium clavipes* C. & P. Aecia on *Amelanchier canadensis* (L.) Medic. (collected by Dr. Jesse M. Shaver in Bledsoe County, August 25, 1947) and on *Crataegus* sp., the latter collection having been identified by Dr. G. B. Cummins. Telia on *Juniperus virginiana* L., common.
- Gymnosporangium exterum* Arth. & Kern. Aecia on *Gillenia stipulata* (Muhl.) Trel.
- Gymnosporangium globosum* Farl. Aecia on *Crataegus* sp. Specimens collected on Davidson Road, Nashville, on July 6, 1950, and in Montgomery Bell State Park, Dickson County, on July 11, 1950, were kindly identified by Dr. G. B. Cummins.
- Gymnosporangium juniperi-virginianae* Schw. Telia on *Juniperus virginiana* L. Common.
- Hyalopsora polypodii* (Pers.) Magn. Uredia on *Cystopteris fragilis* Bernh.
- Kunkelia nitens* (Schw.) Arth. Aecia on *Rubus* sp.
- Melampsora bigelowii* Thüm. Uredia on *Salix* sp.
- Melampsora medusae* Thüm. Uredia on *Populus deltoides* Marsh.
- Phragmidium americanum* (Peck) Diet. Aecia and telia on *Rosa* sp.
- Puccinia argentata* (Schultz) Wint. Uredia on *Impatiens* sp.
- Puccinia bolleyana* Sacc. Aecia on *Sambucus canadensis* L.
- Puccinia conoelinii* Seym. Telia on *Ageratum conyzoides* L.
- Puccinia eatoniae ranunculi* Mains. Aecia on *Ranunculus abortivus* L.
- Puccinia ellisiana* Thüm. Aecia on *Viola triloba* Schw.
- Puccinia extensicola asteris* (Thüm.) Arth. Aecia on *Aster Shortii* Lindl.
- Puccinia extensicola erigerontis* Arth. Aecia on *Erigeron pulchellus* Michx.
- Puccinia extensicola hydroidea* (B. & C.) Arth. Aecia on *Dirca palustris* L. The collection on which this report is based was made by Dr. Jesse M. Shaver about 10 miles north of Sparta, White County, on May 23, 1948.
- Puccinia hieracii* (Schum.) Mart. Telia on *Taraxacum officinale* Weber.
- Puccinia mariae-wilsoni* Clint. Aecia, on *Claytonia virginica* L.
- Puccinia podophylli* Schw. Aecia, uredia, and telia on *Podophyllum peltatum* L. Common.
- Puccinia polygoni-amphibii persicariae* (Str.) Arth. Uredia on *Polygonum* sp. A collection made on Eaton's Creek Road, October 3, 1949, was determined by Dr. G. B. Cummins.
- Puccinia rubigo-vera agropyrina* (Erikss.) Arth. Aecia on *Clematis virginiana* L., common. Uredia on *Hordeum vulgare* L.
- Puccinia rubigo-vera impatientis* (Arth.) Mains. Aecia on *Impatiens* sp. Telia on *Elymus canadensis* L. Specimens on *Elymus canadensis* L., collected on Davidson Road, Nashville, on July 6, 1950, were kindly identified by Dr. G. B. Cummins.
- Puccinia smilacis* Schw. Uredia and telia on *Smilax bona-nox* L. Common.
- Puccinia verbesinae* Schw. Telia on *Verbesina* sp. Common.
- Puccinia xanthii* Schw. Telia on *Xanthium* sp.

*Pucciniastrum hydrangeae* (B. & C.) Arth. Aecia on *Tsuga canadensis* (L.) Carr, collected by Dr. Jesse M. Shaver in Grundy County on July 4, 1947. Uredia on *Hydrangea arborescens* L.

*Uromyces andropogonis* Tracy. Telia on *Andropogon* sp., and determined by Dr. G. B. Cummins from material collected in Percy Warner Park, October 20, 1949.

*Uromyces caladii* (Schw.) Farl. Aecia and uredia on *Arisaema triphyllum* (L.) Schott, common. Uredia on *Arisaema dracontium* Schott. Dr. Jesse M. Shaver has contributed material on *A. triphyllum* from Sneedsville, Hancock County, collected May 1, 1948, and on *A. dracontium* from Hohenwald, Lewis County, collected May 29, 1948.

*Uromyces plumbarius* Peck. Aecia on *Oenothera laciniata* Hill. Material collected on Davidson Road, Nashville, on April 25, 1950, was determined by Dr. G. B. Cummins.

*Uromyces silphii* (Burr.) Arth. Aecia on *Heliopsis helianthoides* (L.) Sweet.

#### ORDER USTILAGINALES:

*Ustilago zaeae* (Beckm.) Unger. On *Zea mays* L. Common.

#### ORDER AURICULARIALES:

Hesler (1937, 1937a) and Linder (1941) have reported several species from Tennessee.

*Auricularia auricularis* (Gray) Martin. Synonym, *Auricularia auriculariudae* (L.) Schroet. Common.

*Septobasidium curtisii* (B. & D.) Boed. & Steinm. Fairly common.

#### ORDER DACRYOMYCETALES:

Two species have been reported by Hesler (1937).

*Dacryomitra dubia* Lloyd. A specimen collected on Eaton's Creek Road, November 15, 1949, was identified by Dr. F. A. Wolf.

*Dacryomitra nuda* (Berk. & Br.) Pat. A specimen collected in the cedar glades, Rutherford County, on April 11, 1950, was determined by Dr. Lindsay S. Olive. This material was parasitized by *Tremella mycophaga* Martin var. *obscura* Olive.

*Dacryomyces minor* Peck. A specimen from the cedar glades, Rutherford County, collected on January 29, 1947, was identified by Dr. F. A. Wolf.

*Guepinia spatularia* (Schw.) Fr.

#### ORDER TREMELLALES:

Previous records dealing with this group in Tennessee are to be found in the papers of Kauffman (1917), Hesler (1936, 1937), and Linder (1941).

*Exidia glandulosa* (Bull.) Fr. Common. Two collections, made in Percy Warner Park on December 27, 1949, and in Montgomery Bell State Park, Dickson County, on June 20, 1951, were determined by Dr. Lindsay S. Olive.

*Seisimosarca cartilaginea* Olive. Specimens collected at Ridgetop, Tenn., on June 27, 1950, and in Percy Warner Park on July 6, 1950, were identified by Dr. Lindsay S. Olive.

*Tremella lutescens* (Pers.) Fr. Fairly common. Specimens collected in Percy Warner Park on October 20, 1949, and October 23, 1949, were kindly identified by Dr. Lindsay S. Olive.

*Tremella mycophaga* Martin var. *obscura* Olive. On *Dacryomitra nuda* (Berk. & Br.) Pat. A collection made in the cedar glades, Rutherford County, on April 11, 1950, was identified by Dr. Lindsay S. Olive.

*Tremellogendron candidum* (Schw.) Atk. Specimens collected on Eaton's Creek Road, June 15, 1950, and in Montgomery Bell State Park, Dickson County, on July 11, 1950, were identified by Mrs. Alma H. Beers.

#### FAMILY THELEPORACEAE:

Prior collections of this group have been reported by Kauffman (1917), Hesler (1936, 1937, 1937a, 1941, 1945), and Linder (1941).

*Aleurodiscus nivosus* (B. & C.) Hoehnel & Litschauer. On *Juniperus virginiana* L. Specimens collected in Percy Warner Park, November 3, 1946, were determined by Dr. F. A. Wolf.

- Corticium arachnoideum* Berk. A collection made in the cedar glades, Rutherford County, February 16, 1947, was identified by Dr. F. A. Wolf.
- Corticium caeruleum* (Schrad.) Fr. Fairly common.
- Peniophora albomarginata* (Schw.) Masee. Common.
- Peniophora flavido-albida* Cooke. A specimen collected in Percy Warner Park November 14, 1946, was identified by Dr. F. A. Wolf.
- Peniophora mutata* (Peck.) Bres. Specimens collected in the cedar glades, Rutherford County, on January 29, 1947, and March 17, 1947, were identified by Dr. F. A. Wolf.
- Peniophora viticola* (Schw.) Hoehnel & Litschauer. On *Vitis* sp. Fairly common.
- Stereum fasciatum* Schw. Common.
- Stereum frustulosum* (Pers.) Fr. Common, on stumps of *Quercus* sp.
- Stereum fuscum* (Schrad.) Quel. Common.
- Stereum lobatum* Kunze.
- Stereum rameale* Schw. Common.
- Stereum subpileatum* B. & C. Common.
- Thelephora albido-brunnea* Schw.

## FAMILY HYDNACEAE:

- Jones (1935) and Hesler (1936, 1937, 1941, 1945) have reported a number of species of this group from the state.
- Hydnum adustum* Schw. Synonym, *Steccherinum adustum* (Schw.) Banker. Common. Specimens from Montgomery Bell State Park, Dickson County, collected June 18, 1950, and Falls Creek Falls State Park, Van Buren County, collected July 3, 1950, were identified by Dr. W. A. Murrill.
- Hydnum fragilissimum* B. & C. Fairly common. A collection from the cedar glades, Rutherford County, made on May 16, 1950, was determined by Dr. W. A. Murrill.
- Hydnum ochraceum* Pers. A specimen collected in Montgomery Bell State Park, July 11, 1950, was determined by Dr. W. A. Murrill.
- Hydnum plumosum* Duby. A specimen collected in Percy Warner Park, January 15, 1950, was identified by Dr. W. A. Murrill.
- Hydnum repandum* L. A collection from Montgomery Bell State Park, made on November 7, 1950, was identified by Dr. W. A. Murrill.
- Hydnum velutinum* Fr. Synonym, *Hydnelium velutinum* (Fr.) Karst. A collection made on September 21, 1950, in Falls Creek Falls State Park, Van Buren County, by Dr. H. C. Bold, was identified by Dr. W. A. Murrill.
- Irpex cinnamomeus* (Schw.) Fr. Common.
- Irpex tulipiferus* (Schw.) Overh. Fairly common. Specimens collected in the cedar glades, Rutherford County, on February 16, 1947, and from Percy Warner Park, October 7, 1947, were identified by Dr. F. A. Wolf.

## FAMILY CLAVARIACEAE:

- Four species have been reported from the state by Hesler (1937a).
- Clavaria cinerea* Fr. Synonym, *Clavulina cinerea* Fr. Specimens collected in the cedar glades, Rutherford County, on June 20, 1950, were identified by Mrs. Alma H. Beers.
- Clavaria pyxidata* Fr. Synonym, *Clavicornia pyxidata* (Fr.) Doty. Specimens collected in Percy Warner Park on October 23, 1949, were identified by Mrs. Alma H. Beers.
- Clavaria stricta* Pers. Synonym, *Ramaria stricta* (Fr.) Quel. Specimens collected in Montgomery Bell State Park, Dickson County, on October 7, 1950, were determined by Mrs. Alma H. Beers.

## FAMILY CANTHARELLACEAE:

- Prior collection records include those of Kauffman (1917), Hesler (1936, 1937, 1951) Linder (1941), and Smith and Hesler (1943).
- Cantharellus cibarius* Fr. Common.
- Cantharellus cinnabarinus* Schw.
- Cantharellus infundibuliformis* Fr.

## FAMILY AGARICACEAE:

Among the papers dealing with Tennessee agarics should be mentioned those of Kauffman (1917), Hesler (1930, 1936, 1937, 1937a, 1941, 1942, 1943, 1945, 1945a, 1949, 1951), Linder (1941), and Smith and Hesler (1938, 1940, 1943).

*Amanita rubescens* Fr.

*Amanita verna* Fr.

*Armillaria mellea* (Fr.) Quel. Common.

*Claudopus nidulans* Fr.

*Clitocybe dealbata* Fr. Specimens collected in the cedar glades, Rutherford County, on November 28, 1946, were determined by Dr. Alexander H. Smith.

*Collybia acervata* Fr.

*Collybia radicata* Fr. Specimens collected in Percy Warner Park on May 11, 1947, were determined by Dr. Alexander H. Smith.

*Coprinus comatus* Fr.

*Coprinus micaceus* Fr. Specimens collected on Garland Avenue, Nashville, on April 9, 1947, were identified by Dr. Alexander H. Smith. Common.

*Galera teneroides* Peck.

*Lepiota naucina* (Fr.) Quel. Specimens collected in Percy Warner Park, November 3, 1946, were identified by Dr. Alexander H. Smith.

*Marasmius cohaerens* (Fr.) Bres.

*Marasmius resinosus* (Pk.) Sacc.

*Mycena galericulata* Fr. A collection made in Percy Warner Park, November 16, 1947, was determined by Dr. Alexander H. Smith.

*Mycena haematopus* Fr. Specimens from Percy Warner Park, collected on October 7, 1947, were determined by Dr. Alexander H. Smith.

*Mycena niveipes* Murr. Specimens from Percy Warner Park, collected on May 11, 1947, were identified by Dr. Alexander H. Smith.

*Panus stipticus* Fr. Common.

*Pholiota dura* Bolt. A collection made on May 5, 1947, in Percy Warner Park was identified by Dr. Alexander H. Smith.

*Pholiota marginata* Fr. A collection made in Percy Warner Park on November 3, 1946, was identified by Dr. Alexander H. Smith.

*Pleurotus ostreatus* (Fr.) Quel. Common.

*Pleurotus petaloides* Fr.

*Pleurotus spathulatus* (Fr.) Peck.

*Psalliota rodmani* Peck.

*Russula emetica* Fr.

*Russula virescens* Fr.

*Schizophyllum commune* Fr. Common.

## FAMILY POLYPORACEAE:

A preliminary account of the polypores of Tennessee published by Hesler (1929) has been supplemented in additional reports (Hesler, 1936, 1937, 1937a, 1941, 1945, 1945a, 1949).

*Daedalea ambigua* Berk. Common.

*Daedalea confragosa* (Bolt.) Fr. Common.

*Daedalea farinacea* (Fr.) Overh. Specimens collected at Ridgetop, Tenn., on June 27, 1950, were identified by R. L. Gilbertson, and checked by Dr. J. L. Lowe.

*Daedalea quercina* (L.) Fr. Common.

*Daedalea unicolor* (Bull.) Fr. A collection from Percy Warner Park, made on April 2, 1947, was determined by Dr. J. L. Lowe.

*Daedalea westii* Murr. A collection from the cedar glades, Rutherford County, on May 16, 1950, was determined by Dr. W. A. Murrill.

*Favolus alveolaris* (DC.) Quel. Common.

*Fistulina hepatica* Fr.

*Fomes annosus* (Fr.) Cooke. On *Juniperus virginiana* L. Specimens from the cedar glades, Rutherford County, collected on February 16, 1947, were identified by Dr. F. A. Wolf.



- Fomes connatus* (Weinm.) Gill. Material collected in Edwin Warner Park on April 1, 1948, was identified by Dr. F. A. Wolf.
- Fomes igniarius* (L.) Gill.
- Fomes ohioensis* (Berk.) Murr. A collection made on Davidson Road, Nashville, on April 25, 1950, was identified by R. L. Gilbertson and checked by Dr. J. L. Lowe.
- Fomes rimosus* (Berk.) Cooke. Common on *Robinia pseudoacacia* L.
- Fomes subroseus* (Weir) Overh. Specimens from Falls Creek Falls State Park, Van Buren County, collected July 3, 1950, were determined by R. L. Gilbertson and checked by Dr. J. L. Lowe.
- Ganoderma applanatum* (Pers.) Pat. Material collected at Pleasant View, Tenn., July 1, 1950, was identified by R. L. Gilbertson and checked by Dr. J. L. Lowe.
- Ganoderma lucidum* (Leyss.) Karst. Common.
- Lenzites betulina* (L.) Fr. Common.
- Lenzites saepiaria* (Wulf.) Fr.
- Merulius rubellus* Peck. Common.
- Polyporus adustus* (Willd.) Fr. Material from the cedar glades, Rutherford County, collected on February 16, 1947, was determined by Dr. J. L. Lowe.
- Polyporus arcularius* (Batsch) Fr. Common.
- Polyporus cinnabarinus* (Jacq.) Fr. Common.
- Polyporus conchifer* (Schw.) Fr. Common.
- Polyporus fumosus* (Pers.) Fr. Fairly common. Specimens from Ridgetop, Tenn., collected on April 23, 1948, and from Percy Warner Park, collected on December 27, 1949, were identified by Dr. F. A. Wolf.
- Polyporus gilvus* (Schw.) Fr. Common. A collection from the cedar glades, Rutherford County, made November 28, 1947, was identified by Dr. J. L. Lowe.
- Polyporus hirsutulus* Schw. Specimens from Percy Warner Park, collected on December 27, 1949, were identified by Dr. F. A. Wolf.
- Polyporus hirsutus* (Wulf.) Fr. Fairly common. Specimens collected in the cedar glades, Rutherford County, on February 16, 1947, were determined by Dr. F. A. Wolf.
- Polyporus pargamenus* Fr. Fairly common.
- Polyporus perennis* (L.) Fr. Specimens collected in the cedar glades, Rutherford County, May 16, 1950, were identified by R. L. Gilbertson and confirmed by Dr. J. L. Lowe.
- Polyporus picipes* Fr. Fairly common.
- Polyporus pubescens* (Schum.) Fr. Material from Eaton's Creek Road, Davidson County, collected March 23, 1950, was identified by R. L. Gilbertson and confirmed by Dr. J. L. Lowe.
- Polyporus radicans* Schw. Synonym, *Scutiger radicans* (Schw.) Murr. Specimens from Percy Warner Park, collected on October 7, 1947, were determined by Dr. W. H. Snell.
- Polyporus rutilans* (Pers.) Fr. On *Carya ovata* (Mill.) Koch. Synonym, *Polyporus nidulans* Fr. Specimens from the cedar glades, Rutherford County, collected May 16, 1950, were determined by R. L. Gilbertson and checked by Dr. J. L. Lowe.
- Polyporus semipileatus* Peck. Material collected on Eaton's Creek Road, November 15, 1949, was identified by Dr. F. A. Wolf.
- Polyporus spraguei* B. & C. Specimens from Percy Warner Park, Nashville, collected July 6, 1950, and from Montgomery Bell State Park, Dickson County, July 11, 1950, were tentatively assigned to this species by R. L. Gilbertson and Dr. J. L. Lowe.
- Polyporus sulphureus* (Bull.) Fr.
- Polyporus versicolor* (L.) Fr. Very common.
- Poria ambigua* Bres. Specimens collected in Percy Warner Park, January 25, 1947, were determined by Dr. J. L. Lowe.
- Poria isabellina* (Fr.) Overh. Collections made in the cedar glades,

- Rutherford County, on February 16, 1947, were identified by Dr. J. L. Lowe.
- Poria punctata* (Fr.) Karst. Material from the cedar glades, Rutherford County, collected April 11, 1950, was provisionally identified as this species by Dr. J. L. Lowe.
- Poria unita* (Pers.) Cooke. Material collected in the cedar glades, Rutherford County, on October 28, 1947, was determined by Dr. J. L. Lowe.
- Poria vaillantii* (Fr.) Cooke. Specimens collected in Percy Warner Park, Nashville, June 13, 1950, were identified by R. L. Gilbertson, and the identification was confirmed by Dr. J. L. Lowe.
- Trametes heteromorpha* (Fr.) Lloyd. Specimens collected near Snail Shell Cave, Rutherford County, on April 9, 1948, by Mr. Alexander Kimler were identified by Dr. F. A. Wolf.
- Trametes hispida* Bagl.
- Trametes malicola* B. & C. This species is reported on the basis of specimens collected on Davidson Road, Nashville, April 25, 1950, determined by R. L. Gilbertson and confirmed by Dr. J. L. Lowe.
- Trametes rigida* Berk. & Mont. Common.
- Trametes sepium* Berk. A collection from the cedar glades, Rutherford County, made on October 28, 1947, was identified by Dr. J. L. Lowe.
- Trametes tenuis* Karst. Collections made in Percy Warner Park, Nashville, on October 10, 1949, and in the cedar glades, Rutherford County, April 11, 1950, were identified by R. L. Gilbertson and checked by Dr. J. L. Lowe.

## FAMILY BOLETACEAE:

- The reports of Hesler (1937, 1937a, 1941, 1942, 1951), Snell, Smith and Hesler (1940), and Linder (1941) contain information concerning species of *Boletus* from Tennessee.
- Boletus betula* Schw. Synonym, *Boletellus betula* (Schw.) Gilbert. Specimens collected by Dr. H. C. Bold in Falls Creek Falls State Park, Van Buren County, on September 21, 1950, were identified by Dr. W. H. Snell.
- Boletus chrysenteroides* Snell. Synonym, *Boletellus chrysenteroides* (Snell) Snell. Material from the cedar glades, Rutherford County, June 20, 1950, and from Pleasant View, Tenn., July 1, 1950, was identified by Dr. W. H. Snell.
- Boletus curtisii* Berk.
- Boletus pallidus* Frost. Dr. W. H. Snell identified material collected at Pleasant View, Tenn., July 1, 1950.
- Boletus retipes* B. & C. Synonym, *Pulveroboletus retipes* (B. & C.) Singer. Collections from Montgomery Bell State Park, Dickson County, on June 18, 1950, and June 25, 1950, were determined by Dr. W. H. Snell.
- Boletus rubeus* Frost. Specimens from the cedar glades, Rutherford County, May 16, 1950, and June 20, 1950, were identified by Dr. W. H. Snell.
- Strobilomyces strobilaceus* (Scop.) Berk.

## GASTEROMYCETES:

- Previous collection records of Gasteromycetes include those of Hesler (1937, 1937a, 1942, 1945), and Linder (1941).
- Calvatia craniformis* (Schw.) Fr.
- Calvatia cyathiformis* (Bosc.) Morg. Specimens collected in Percy Warner Park, November 3, 1946, were determined by Mrs. Alma H. Beers. Common.
- Crucibulum vulgare* Tul. Common.
- Cyathus striatus* Willd.
- Disciseda candida* (Schw.) Lloyd. Specimens collected in a yard on Forde Avenue, Nashville, on November 7, 1949, were identified by Mrs. A. H. Beers.
- Geaster coronatus* (Schaeff.) Schroet.
- Geaster fimbriatus* Fr. Material collected in Percy Warner Park, October 7, 1947, and on Davidson Road, Nashville, July 6, 1950, was identified by Mrs. A. H. Beers.

- Geaster limbatus* Fr. Mrs. A. H. Beers identified a collection made in Montgomery Bell State Park, June 18, 1950.
- Geaster triplex* Jung. Specimens from the cedar glades, Rutherford County, collected on June 20, 1950, were determined by Mrs. A. H. Beers.
- Geaster velutinus* Morg. Collected in Montgomery Bell State Park, Dickson County, July 11, 1950, and identified by Mrs. A. H. Beers.
- Ithyphallus impudicus* (L.) Fr.
- Lycoperdon gemmatum* Batsch. Common. Specimens from the cedar glades, Rutherford County, collected on January 29, 1947, were identified by Mrs. Alma H. Beers.
- Lycoperdon polymorphum* Vitt. Common. Material from Percy Warner Park, April 2, 1947, was identified by Mrs. A. H. Beers.
- Lycoperdon pulcherrimum* B. & C.
- Lycoperdon umbrinum* Pers. Specimens collected in the cedar glades, Rutherford County, on November 28, 1946, were identified by Mrs. A. H. Beers.
- Scleroderma cepa* (Vaill.) Pers. Collected in Montgomery Bell State Park, November 7, 1950, and determined by Mrs. A. H. Beers.
- Scleroderma geaster* Fr.
- Scleroderma lycoperdoides* Schw. Specimens collected on June 20, 1950, in the cedar glades, Rutherford County, were identified by Mrs. A. H. Beers.
- Tylostoma pocolatum* White.

#### FUNGI IMPERFECTI

- The papers of Hesler (1936, 1937, 1941), Linder (1941), and Dearness (1941) list a number of fungi imperfecti from the state. *Akanthomyces angustispora* Mains. Material collected in Percy Warner Park, January 15, 1950, formed the basis for the description of a new species (Mains, 1950).
- Cercospora asiminae* Ell. & Kellerm. On *Asimina triloba* Dunal. Collections made in Percy Warner Park, November 20, 1949, were identified by Dr. F. A. Wolf.
- Cercospora sordida* Sacc. On *Tecoma radicans* (L.) Juss. Material collected on Eaton's Creek Road, November 3, 1949, was determined by Dr. F. A. Wolf.
- Cercospora sorghi* Ell. & Ev. On *Sorghastrum halepense* (L.) Pers. Material collected on Eaton's Creek Road, November 3, 1949, was determined by Dr. F. A. Wolf.
- Isaria tenuipes* Peck. On lepidopteran pupa. Material collected in Percy Warner Park, September 29, 1950, was determined by Dr. E. B. Mains.
- Torulioidea tulipifera* (Ell. & Mart.) Sumstine. On *Liriodendron tulipifera* L. Material collected on Eaton's Creek Road, November 3, 1949, was identified by Dr. F. A. Wolf.

#### ACKNOWLEDGMENTS

For identifications of many of the species collected, the writer is indebted to Mrs. Alma H. Beers, University of North Carolina; Dr. G. B. Cummins, Purdue University; Mr. R. L. Gilbertson and Dr. J. L. Lowe, Syracuse University; Dr. E. B. Mains, University of Michigan; Dr. G. W. Martin, University of Iowa; Dr. Julian H. Miller, University of Georgia; Dr. W. A. Murrill, University of Florida; Dr. Lindsay S. Olive, Columbia University; Dr. Fred J. Seaver, Florida Southern College; Dr. Alexander H. Smith, University of Michigan; Dr. W. H. Snell, Brown University; and Dr. F. A. Wolf, Duke University. Dr. L. R. Hesler, University of Tennessee, Dr. G. W. Martin and Dr. W. A. Murrill have generously

contributed specimens from their collections which facilitated identifications. Dr. Elsie Quarterman has made many of the host identifications. Dr. Jesse M. Shaver, Dr. H. C. Bold, and Dr. Elsie Quarterman have made collections.

## LITERATURE CITED

- Cooley, L. M. 1934. A preliminary list of the Myxomycetes of eastern Tennessee. *Jour. Tenn. Acad. Sci.*, 9:84-86.
- Dearness, J. 1941. New species of Tennessee fungi. *Mycol.*, 33:360-366.
- Hesler, L. R. 1929. A preliminary report on Polypores of eastern Tennessee. *Jour. Tenn. Acad. Sci.*, 4:3-10.
- Hesler, L. R. 1930. Some mushrooms of eastern Tennessee. I. Amanitas. *Jour. Tenn. Acad. Sci.*, 5:33-53.
- Hesler, L. R. 1936. Notes on southern Appalachian fungi. *Jour. Tenn. Acad. Sci.*, 11:107-122.
- Hesler, L. R. 1937. A preliminary list of the fungi of the Great Smoky Mountains National Park. *Castanea*, 2:45-58.
- Hesler, L. R. 1937. Notes on southern Appalachian fungi. II. *Jour. Tenn. Acad. Sci.*, 12:239-254.
- Hesler, L. R. 1941. Notes on southern Appalachian fungi. III. *Jour. Tenn. Acad. Sci.*, 16:161-173.
- Hesler, L. R. 1942. Notes on southern Appalachian fungi. IV. *Jour. Tenn. Acad. Sci.*, 17:242-249.
- Hesler, L. R. 1943. Notes on southern Appalachian fungi. V. *Jour. Tenn. Acad. Sci.*, 18:290-297.
- Hesler, L. R. 1945. Notes on southern Appalachian fungi. VI. *Jour. Tenn. Acad. Sci.*, 20:233-238.
- Hesler, L. R. 1945a. Notes on southern Appalachian fungi. VII. *Jour. Tenn. Acad. Sci.*, 20:363-372.
- Hesler, L. R. 1949. Notes on southern Appalachian fungi. VIII. *Jour. Tenn. Acad. Sci.*, 24:81-93.
- Hesler, L. R. 1951. Notes on southern Appalachian fungi. IX. *Jour. Tenn. Acad. Sci.*, 26:4-14.
- Kauffman, C. H. 1917. Tennessee and Kentucky fungi. *Mycol.*, 9:159-166.
- Jones, T. H. 1935. "The Hydnaceae of Tennessee." 175 pp. Unpublished thesis, Univ. of Tenn.
- Linder, D. H. 1941. Mycological society of America. Report on the 1939 foray. *Mycologia*, 33:570-578.
- Mains, E. B. 1939. Cordyceps from the mountains of North Carolina and Tennessee. *Jour. Elisha Mitchell Sci. Soc.*, 55:117-129.
- Mains, E. B. 1950. Entomogenous species of Akanthomyces, Hymenostilbe and Insecticola in North America. *Mycol.*, 42:566-589.
- Meyer, S. L. 1941. Coprophilous Ascomycetes of Tennessee. I. *Jour. Tenn. Acad. Sci.*, 6:401-405.
- Smith, A. H., and L. R. Hesler. 1938. Notes on agarics from Tennessee and North Carolina. *Jour. Elisha Mitchell Sci. Soc.*, 54:261-269.
- Smith, A. H., and L. R. Hesler. 1940. New and unusual agarics from the Great Smoky Mountains National Park. *Jour. Elisha Mitchell Sci. Soc.*, 56:302-324.
- Smith, A. H., and L. R. Hesler. 1943. New and interesting agarics from Tennessee and North Carolina. *Lloydia*, 6:248-266.
- Snell, W. H., A. H. Smith, and L. R. Hesler. 1940. New species of Boleti from Cades Cove in the Great Smokies. *Jour. Elisha Mitchell Sci. Soc.*, 56:325-328.
- Welden, A. L. 1951. A taxonomic survey of Myxomycetes of the Great Smoky Mountains National Park. *Jour. Tenn. Acad. Sci.*, 26:271-276.