

CHECKLIST OF FUNGI
OF THE GREAT SMOKY MOUNTAINS
NATIONAL PARK
MANAGEMENT REPORT NO. 29

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GREAT SMOKY MOUNTAINS
NATIONAL PARK

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EDITORIAL INTRODUCTION

This list of fungi was compiled and published (*Castanea* 2:45-58, 1937) originally by Dr. Lexemuel Ray Hesler (1888-1977), who also collected and identified virtually all of its agarics. Hesler periodically updated the list, and as publications by others appeared, including fungi collected in the Great Smoky Mountains National Park, these fungus names were added. The last general revision was accomplished in 1962, and the list of agarics was updated by Hesler in 1976.

Revisions made to produce the list below have been limited more or less to non-agaric basidiomycetes; lists of specific groups have been modernized and updated by the persons whose names appear on them. Major literature dealing with the fungi is included at the conclusion of the list, mostly by Hesler, Petersen, and collaborators.

Specimens of most fungi on the list are deposited at the University of Tennessee. Over the years, however, Hesler sent several thousand specimens to experts all over eastern North America, always reserving a good portion for his own institution, and usually identifications were forthcoming and duly entered in the herbarium records. Hence identifications of most non-agarics have been determined or confirmed by experts in the appropriate groups. In his early years in agarics, Hesler sent them to Alexander Smith, but eventually gained confidence and needed only occasional confirmations.

the Piedmont Plateau of North and South Carolina, was appointed a founding trustee of the University of the South, Sewanee College, in the Cumberland Mountains. He made the trip to the institution site, passing through the high mountains of the state boundaries on the way. The weather apparently was dry, for he reported finding very few macrofungi.

Until the park itself was set aside in the mid-1930's, reports of fungi from areas within its eventual boundaries were almost absent. Atkinson specimens from Blowing Rock and Pisgah, NC; Murrill collections from Pink Beds and Asheville; and Burlington material from Brevard and Pink Beds were among the few samples from the area. The environs of the park were inhabited by mountain people, portrayed by Horace Kephart in the 1930's. No roads over the mountains were to be found between the Pigeon River gorge and the southern edge of the eventual park. Access from the Tennessee side of the mountains was by logging train, by foot, or by wagons from Gatlinburg (then a crossroad) through Sugarland; or from Tuckaleechee Cove (now Townsend) over Rich Mountain. On the North Carolina side, Bryson City was the only springboard, with the Cherokee Indian reservation standing between the less-than-intrepid botanist and the mountains. To this day, the Tennessee side is better known and much better sampled than the North Carolina side.

Special herbarium labels were printed for the occasion and Great Smoky Mountains National Park fungi can be found scattered in European herbaria. Most recently, several foreign workers spent five days in the park in September 1977, following the Second International Mycological Congress in Tampa, Florida. Individual mention must be made of a year in residence by M. A. Donk, resulting in a few thousand specimens, many from the park. These now reside in the Rijksherbarium, Leiden, The Netherlands. All of this exposure has spread the reputation of the park as an unusually rich mycological collecting area and assures its future as an international attraction.

The complexity of forest flora makes difficult the description of even above-ground plant communities. Presumptive mycorrhizal associations only multiply this complexity. Both herbaceous and woody plants habitually are associated with fungi in endo- and ectotrophic mycorrhizae, but with the extremely high number of plant taxa in the southern Appalachians, descriptions of specific relationships are almost impossible by indirect means (that is, by observations of fruit bodies near trees). With twoscore tree species often visible within a 50-meter square and root systems overlapping completely, such inferential data are almost useless. Only artificial cultures from individual roots and the reestablishment of their mycorrhizae in pure culture (a sort of Koch's postulates of mycorrhizal research) can produce progress

Although care has been taken to cite as correctly as possible a name in the Basidiomycetes, the names cited in other groups are passed on essentially as listed by Hesler (manuscript copy, 1962). Because Hesler emphasized basidiomycetes in his research, the names for Ascomycetes, lower fungi, and slime molds may not be the best names available.

In 1962, a total of 1,975 fungi were reported from the park. In the current list, that number has increased to 2,198. Although the number of new species described from type specimens collected in the park was 81 in 1962, with manuscripts on Hebeloma and Lactarius soon to be published with several additional new species from the park, no count of new taxa has been taken for the current list. Names in these two genera include manuscript names to be published later and in no way constitute the introduction of nomenclaturally acceptable epithets. These names are enclosed in square brackets indicating their manuscript status. A total of 482 genera are listed.

It is hoped that this list can be kept somewhat up to date, and any mycologist with authentic records of fungi not appearing on the list is cordially invited to send such records to the General Editor. In this way, the park can continue to be one of the few areas with ongoing records of known fungi.

Diachea

Diachea bulbillosa (Berk. & Br.) List.
Diachea leucopodia (Bull.) Rost.

Dictydium

Dictydium cancellatum (Batsch) Macbr.

Diderma

Diderma effusum (Schw.) Morg.
Diderma hemisphaericum (Bull.) Hornem.
Diderma rugosum (Rex) Macbr.
Diderma testaceum (Schrad.) Pers.

Didymium

Didymium crustaceum Fr.
Didymium iridis (Ditmar) Fries
Didymium melanospermum (Pers.) Macbr.
Didymium minus (Lister) Morgan
Didymium nigripes (Lk.) Fr.
Didymium squamulosum (Alb. & Schw.) Fr.
Didymium xanthopus (Ditmar) Fr.

Enerthenema

Enerthenema papillatum (Pers.) Rost.

Fuligo

Fuligo septica (L.) Weber
Fuligo septica var. *rufa* Pers.

Hemitrichia

Hemitrichia clavata (Pers.) Rost.
Hemitrichia serpula Rost.
Hemitrichia stipitata (Masse) Macbr.
Hemitrichia vesparium (Batsch) Macbr.

Lamproderma

Lamproderma arcyryonema Rost.
Lamproderma columbinum (Pers.) Rost.

Leocarpus

Leocarpus fragilis (Dicks.) Rost.

Prototrichia

Prototrichia metallica (Berk.) Macbr.

Stemonitis

Stemonitis axifera (B.) Macbr.
Stemonitis flavogenita Jahn
Stemonitis fusca Roth
Stemonitis pallida Wing.
Stemonitis smithii Macbr.
Stemonitis splendens Rost.
Stemonitis virginensis Rex

Trichia

Trichia affinis DeBy.
Trichia botrytis Pers.
Trichia contorta Rost.
Trichia decipiens (Pers.) Macbr.
Trichia erecta Rex
Trichia favoginea (Batsch) Pers.
Trichia persimilis P. Karst.
Trichia pusilla (Hedw.) G. W. Martin
Trichia scabra Rost.
Trichia subfusca Rex
Trichia varia Pers.

Tubifera

Tubifera ferruginosa (Batsch) Gmel.

3. ASCOMYCETES

Adelopus

Adelopus balsamicola (Pk.) Th.

Aleuria

Aleuria aurantia (Pers.) Fckl.

Aleuria cestricea (E. & E.) Seaver

Aleuria wisconsinensis Rehm

Aleurina

Aleurina atrovinosa (Cke.) Seaver

Anthostomella

Anthostomella sepelibilis (B. & C.) Sacc.

Apioportha

Apioportha vepris (De Lacr.) Wehm.

Apostemidium

Apostemidium guernisacii (Fr.) Boud.

Arachnopeziza

Arachnopeziza candido-fulva (Schw.) Korf

Ascophanus

Ascophanus granulatus (Bull.) Speg.

Balansia

Balansia hypoxylon (Pk.) Atk.

(=*Atkinsonella hypoxylon* (Pk.) Diehl)

Balansia strangulans (Mont.) Diehl

Belonidium

Belonidium introspectum (Cke.) Sacc.

Bifusella

Bifusella faullii Darker

Coccomyces

Coccomyces hiemalis Higgins

Colpoma

Colpoma morbidum (Pk.) Sacc.

Cordyceps

Cordyceps capitata Link
Cordyceps cicadae (Miq.) Massee
Cordyceps fracta Mains
Cordyceps herculea (Schw.) Sacc.
 (= *C. meloethanthae* (Tul.) Sacc.)
Cordyceps hesleri Mains
Cordyceps intermedia Imai?
Cordyceps michiganensis Mains
Cordyceps militaris (L.) Link
Cordyceps ophioglossoides Link
Cordyceps ravenelii B. & C.
Cordyceps smithii Mains
Cordyceps sphecocephala (Klotzsch) Massee
Cordyceps sphingum (Tul.) B. & C.
Cordyceps stylophora Berk. & Br.
Cordyceps superficialis Pk.
Cordyceps variabilis Petch
Cordyceps viperina Mains

Coryne

Coryne sarcoidea (Jacq.) Tul.
Coryne sarcoidea var. *urnalis* (Nyl.) Karst.
Coryne solitaria Rehm

Corynetes

Corynetes robustus Durand

Creonectria

Creonectria cucurbitula (Sacc.) Seaver

Creopus

Creopus gelatinosus (Tode) Lk.

Cryptodiaportha

Cryptodiaportha aculeans (Schw.) Web.

Elaphomyces

Elaphomyces appalachiensis Linder
Elaphomyces variegatus Vitt.

Encoella

Encoella furfuracea (Fr.) Karst.

Endothia

Endothia gyrossa (Sg.) Fckl.
Endothia parasitica (Murr.) A. & A.

Erinella

Erinella sinensis Teng.

Erysiphe

Erysiphe cichoracearum DC.
Erysiphe galeopsidis DC.

Eutypa

Eutypa spinosa (P.) Tul.

Eutypella

Eutypella fraxinicola (Cke. & Pk.) Sacc.
Eutypella microcarpa E. & E.
Eutypella sepulta (B. & C.) Dearn.

Fracchiacea

Fracchiacea heterogenea Sacc.

Helotium

Helotium citrinum (Hedw.) Fr.
Helotium confluens Schw.
Helotium epiphyllum (Pers.) Fr.
Helotium imberbe (Bull.) Fr.
Helotium linderi White
Helotium macrosporum (Pk.) Kanouse
Helotium phyllophilum (Desm.) Karst.
Helotium saprophyllum Pk.
Helotium scutula (Pers.) Karst.

Helvella

Helvella atra Oed.
Helvella crispa Fr.
Helvella elastica Fr.
Helvella lacunosa Fr.
Helvella leucomelas (Pers.) Korf

Hydnотria

Hydnотria cubispora (Bessey & Thompson) Gilkey

Hypocrea

Hypocrea aurantiaca Pk.
Hypocrea citrina Fr.
Hypocrea gelatinosa Tode ex Fr.
Hypocrea pallida Fr.
Hypocrea patella Cooke & Pk.
Hypocrea rufa Pers. ex Fr.
Hypocrea rufula Pers. ex Fr.

Hypoderma

Hypoderma brachysporum (Rost.) Tub.
Hypoderma commune (Fr.) Duby
Hypoderma hedgcockii Dearn.
Hypoderma lethale Dearn.

Hypomyces

Hypomyces aurantiaca Pk.
Hypomyces aurantius (P.) Tul.
Hypomyces chrysospermus (Bull. ex Fr.) Tul.
Hypomyces hyalinus (Schw.) Tul.
Hypomyces lactifluorum (Schw.) Tul.
Hypomyces rosellus (S. & S.)

Leotia

Leotia chlorocephala Schw.
Leotia lubrica (Scop.) Fr.
Leotia stipitata (Bosc) Schroet.

Leptosphaeria

Leptosphaeria ogilviensis (B. & Br.) C. & De Not.

Macropodia

Macropodia fusicarpa Ger.

Massaria

Massaria argus (Berk. & Br.) Fres.
Massaria inquinans Tode ex Fr.

Massarina

Massarina eburnea (Tul.) Sacc.

Melanconis

Melanconis decoraensis Ell.

Melanomma

Melanomma verrucaris (Fr.) Sacc.

Meliola

Meliola bidentata Cke.
Meliola nidulans (Schw. ex Fr.) Cke.

Metasphaeria

Metasphaeria panicorum (Cke.) Sacc.

Microglossum

Microglossum rufum (Schw.) Underw.

Nectria

Nectria cinnabarina (Tode) Fr.
Nectria episphaeria Tode ex Fr.
Nectria flavo-ciliata Seaver
Nectria ochroleuca Schw.
Nectria peziza Tode ex Fr.
Nectria sanguinea Fr.

Nummularia

Nummularia discreta Tul.
Nummularia petersii (B. & C.) Mill.
Nummularia tinctor (Berk.) Ell. & Ev.

Ombrophila

Ombrophila lilacina (Wulf.) Karst.

Ophiobolus

Ophiobolus hamasporus Ell. & Ev.

Ophiodothella

Ophiodothella vaccinii Boyd

Parodiella

Parodiella perisporioides (B. & C.) Speg.

Patella

Patella albida (Schaeff.) Seaver
Patella albospadicea (Grev.) Seaver
Patella coprinaria (Cke.) Seaver
Patella lusatiae (Cke.) Seaver
Patella miniata (Clem.) Seaver
Patella paludosa (Boud.) Seaver
Patella scutellata (L.) Morg.
Patella setosa (Nees) Seaver
Patella umbrorum (Fr.) Seaver

Paxina

Paxina acetabulum (L.) Kuntze
Paxina fuscicarpa (Gerard) Seaver
Paxina hispida (Schaeff.) Seaver
Paxina macropus (Clements) Seaver
Paxina subclavipes (Phill. & Ellis) Seaver
Paxina sulcata (Pers.) Kuntze

Podostroma

Podostroma alutaceum (P. ex Fr.) Atk.

Polycephalomyces

Polycephalomyces panosus Mains

Propolis

Propolis faginea (Schrad.) Karst.

Propolis leonis (Tul.) Rehm.

Pseudoplectania

Pseudoplectania fulgens (Pers.) Fckl.

Pseudoplectania nigrella (Pers.) Fckl.

Rhizina

Rhizina inflata Schaeff. ex Karst.

Rhytisma

Rhytisma acerinum Fr.

Rhytisma decolorans Fr.

Rhytisma punctatum Pers. ex Fr.

Rhytisma salicinum P. ex Fr.

Rhytisma vaccinii Fr.

Rosellinia

Rosellinia clavariae (Tul.) Winter

Rosellinia subiculata (Schw.) Sacc.

Rutstroemia

Rutstroemia macrospora (Pk.) Kanouse

Rutstroemia nebulosa (Cke.) Kauff. & Kanouse

Sarcosoma

Sarcosoma carolinianum Durand

Schizoxylon

Schizoxylon insigne (De Not.) Rehm.

Tympanis

Tympanis conspersa Fr.

Uncinula

Uncinula salicis (DC.) Wint.

Ustulina

Ustulina vulgaris Pers.

Valsa

Valsa abietis Fr.

Valsa delicatula C. & E.

Venturia

Venturia orbicula (Sw.) C. & P.

Vibrissea

Vibrissea truncorum (A. & S.) Fr.

Wynnea

Wynnea americana Thaxter

Xylaria

Xylaria castorea Berk.

Xylaria cornu-damae (Schw. ex Fr.) Berk.

Xylaria cubensis Mont.

Xylaria digitata Grev.

Xylaria hypoxylon (L. ex Fr.) Grev.

Xylaria ianthino-velutina Mont.

Xylaria persicaria (Sz. ex Fr.) Curt.

Xylaria polymorpha (P. ex Fr.) Grev.

Xylaria tentaculata Rav. ap. Berk.

Cercosporidium

Cercosporidium gnaphaliaceae (Cke.) Dearness

Cladosporium

Cladosporium epiphyllum (P.) Fr.

Cladosporium herbarum (Pers.) Lk.

Clavariopsis

Clavariopsis aquatica De Wild.

Clavatospora

Clavatospora longibrachiata (Ing.) Nilss.

Clavatospora stellata (Ing. & Cox) Nilss.

Coccospora

Coccospora aurantiaca Wallr.

Colletotrichum

Colletotrichum Trillii Tehon

Coryneum

Coryneum rhododendri Schw.

Coryneum triseptatum Pk.

Cryptostictis

Cryptostictis mariae (Clint.) Sacc.

Culicidospora

Culicidospora aquatica Pet.

Cylindrosporium

Cylindrosporium acerinum (Pk.) Dearn. & House

Cylindrosporium hiemalo Higgins

Cylindrosporium saccharinum Ell. & Ev.

Dactylium

Dactylium dendroides Bull. ex Fr.

Gonatobotryum

Gonatobotryum maculicola (Wint.) Sacc.

Graphium

Graphium hamamelidis van Hook

Heliscus

Heliscus Lugdunensis Sacc. & Thér.

Illosporium

Illosporium caespitosum El. & Ev.

Isaria

Isaria farinosa (Dicks.) Fr.

Isariopsis

Isariopsis clavispora (B. & C.) Sacc.

Lateriramulosa

Lateriramulosa uniinflata Mat.

Lemmoniera

Lemmoniera aquatica De. Wild.

Lemmoniera filiformis Pet.

Lemmoniera pseudofloscula Dyko

Lemmoniera terrestris Tubaki

Leptothyrium

Leptothyrium foraminulatum Sacc. & Ell.

Lunulospora

Lunulospora curvula Ing.

Macrophoma

Macrophoma phacidiella (C. & E.) Berk. & Vogl.

Margaritispora

Margaritispora monticola Dyko

Piggotia

Piggotia fraxini Berk. & Curt.

Pleurocolla

Pleurocolla compressa (Ell. & Ever.) Diehl

Polythrincium

Polythrincium trifolii Kze.

Pseudographium

Pseudographium hispidulum (Ell.) Jacz.

Ramularia

Ramularia oxalidis Farlow

Ramularia stellariae n. sp. (ined.)

Scorpiosporium

Scorpiosporium chaetocladium (Ing.) Dyko

Scorpiosporium gracile (Ing.) Iqbal

Scorpiosporium patulum (Marv. & Marv.) Dyko

Sepedonium

Sepedonium chrysospermum Bull. ex Fr.

Septogloeum

Septogloeum profusum Ell. & Ever.

Triscelophorus

Triscelophorus acuminatus Nawawi
Triscelophorus monosporus Ing.

Tubercularia

Tubercularia vulgaris Tode ex Fr.

Varicosporium

Varicosporium delicatum Iqbal
Varicosporium elodeae Kegel
Varicosporium giganteum Crane

6. UREDINALES

Cerotelium

Cerotelium dicentrae (Trel.) Mains & And.

Chrysomyxa

Chrysomyxa roanensis Arth.

Chrysomyxa weirii Jackson

Coleosporium

Coleosporium campanulae (Pers.) Lev.

Coleosporium carneum (Bosc.) Jackson

Coleosporium elephantopodis (Schw.) Thüm.

Coleosporium helianthi (Schw.) Arth.

Coleosporium inconspicuum (Long) Hedge, & Long

Coleosporium pinicola Arth.

Coleosporium solidaginis (Schw.) Thüm.

Coleosporium vernoniae B. & C.

Cronartium

Cronartium quercuum (Berk.) Miyabe

Cronartium ribicola Fischer

Frommea

Frommea obtusa (Strauss) Arth.

Gymnoconia

Gymnoconia peckiana (Howe) Trotter

Gymnosporangium

Gymnosporangium clavipes C. & P.

Gymnosporangium globosum Farl.

Gymnosporangium juniperi-virginianae Schw.

Holwaya

Holwaya gigantea (Pk.) Durand

Kuehneola

Kuehneola uredinia (Lk.) Arth.

Puccinia silphii Schw.
Puccinia smilacis Schw.
Puccinia tenuis Burr.
Puccinia verbesinae Schw.
Puccinia vernoniae Schw.
Puccinia violae (Schum.) DC.
Puccinia windsoriae Schw.

Pucciniastrum

Pucciniastrum agrimoniae (Schw.) Tranz.
Pucciniastrum americanum (Farl.) Arth.
Pucciniastrum hydrangeae (B. & C.) Arth.
Pucciniastrum pyrolae (Pers.) Schroet.
Pucciniastrum pustulatum (Pers.) Diet.

Tranzschelia

Tranzschelia pruni-spinosae (Pers.) Diet.

Uredinopsis

Uredinopsis macrosperma (Cke.) Magn.
Uredinopsis mirabilis (Pk.) Magn.

Uromyces

Uromyces andropogonis Tracy
Uromyces caladii (Schw.) Farl.
Uromyces gentianae Arth.
Uromyces hedysari-paniculati (Schw.) Farl.
Uromyces holwayi Lagerh.
Uromyces houstoniatus (Schw.) Sheldon
Uromyces hyperici (Spreng.) Curt.
Uromyces junci-effusi Syd.
Uromyces lespedezae-procumbentis (Schw.) Curtis
Uromyces rudbeckiae A. & H.
Uromyces rynchosporae Ellis
Uromyces silphii (Burr.) Arth.
Uromyces spermacoces (Schw.) Curt.

Uropyxis

Uropyxis amorphae (Curtis) Schroet.

8. JELLY- OR TREMELLOID FUNGI

Auricularia

Auricularia auricula-judae (Linn.) Schroet.

Calocera

Calocera cornea (Fr.) Link

Calocera viscosa (Fr.)

Dacrymyces

Dacrymyces deliquescens Duby

Dacrymyces palmatus (Schw.) Bres.

Ditiola

Ditiola radicata Fr.

Exidia

Exidia nucleata (Schw.) Burt

Exidia recisa Fr.

Exidia spiculosa (Gray) Somm.

Guepinia

Guepinia spathularia (Schw.) Fr.

Guepiniopsis

Guepiniopsis torta (Fr.) Pat.

Phleogena

Phleogena decorticata (Schw.) Martin

Platygløea

Platygløea peniophorae Bourd. & Galz.

Pseudohydnum

Pseudohydnum gelatinosum (Fr.) Karsten

Sebacina

Sebacina incrustans (Pers.) Tul.

9. THELEPHOROID AND CORTICIOID FUNGI

(Edited by Glenn W. Freeman)

Aleurodiscus

Aleurodiscus amorphus (Fr.) Schroet.

Aleurodiscus candidus (Schw.) Burt.

Amylocorticium

Amylocorticium cebennense (Bourd.) Pouz.

Asterostroma

Asterostroma ochroleucum Bres.

Athelia

Athelia acrospora Jülich

Athelia decepiens (Höhn. & Litsch.) J. Erikss.

Botryobasidium

Botryobasidium conspersum J. Erikss.

Botryobasidium laeve (J. Erikss.) Parm.

Botryobasidium subcoronatum (Höhn & Litsch.) Donk

Botryohypochnus

Botryohypochnus isabellinus (Fr.) J. Erikss.

Byssocorticium

Byssocorticium atrovirens (Fr.) Bond. & Sing.

Ceratobasidium

Ceratobasidium plumbeum Martin

Chaetoderma

Chaetoderma luna (Rom. ex Rog. & Jacks.) Parm.

Clavulicium

Clavulicium macounii (Burt) J. Erikss.

Hyphoderma

Hyphoderma heterocystidium (Burt) Donk
Hyphoderma litschaueri (Burt) Erikss. & Strid.
Hyphoderma mutatum (Peck) Donk
Hyphoderma setigerum (Fr.) Donk

Hyphodontia

Hyphodontia abieticola (Bourd. & Galz.) J. Erikss.
Hyphodontia alutaria (Burt.) J. Erikss.
Hyphodontia arguta (Fr.) J. Erikss.
Hyphodontia barba-jovis (Fr.) J. Erikss.
Hyphodontia hastata (Litsch.) J. Erikss.

Hypochnus

Hypochnus fumosus Fr.
Hypochnus rubiginosus Bres.

Laeticorticium

Laeticorticium appalachiensis Burd. & Larsen
Laeticorticium minnsiae (Jacks.) Donk

Leucogyrophana

Leucogyrophana mollusca (Fr.) Pouz.

Lindtneria

Lindtneria trachyspora (Bourd. & Galz.) Pilát

Merulius

Merulius tremellosus (Schrader.) Fr.

Metulodontia

Metulodontia nivea (Karst.) Parm.
Metulodontia queletii (Bourd. & Galz.) Parm.

Mycoacia

Mycoacia fusco-atra (Fr. ex Fr.) Donk
Mycoacia uda (Fr.) Donk

Solenia

Solenia anomala (Pers.) Fckl.
Solenia candida Pers.
Solenia endophila (Ces.) Fr.
Solenia fasciculata Pers.

Sparassis

Sparassis crispa Fr.
Sparassis spathulata Schw.

Stereum

Stereum abietinum Pers.
Stereum ambiguum Peck
Stereum burtianum Pk.
Stereum chailetti Fr.
Stereum duriusculum Bres.
Stereum erumpens Burt
Stereum fasciatum Schw.
Stereum frustulosum Fr.
Stereum fuscum (Schrad.) Quél.
Stereum gausapatum (Pers.) Fr.
Stereum hirsutum Fr.
Stereum lobatum (Kuntze) Fr.
Stereum ochraceoflavum Schw.
Stereum pallidum (Pers.) Lloyd
Stereum purpureum Pers.
Stereum radiatum Pk.
Stereum rameale Schw.
Stereum ravenelii Berk. & Curt.
Stereum rugosiusculum B. & C.
Stereum rugosum Pers.
Stereum sanguinolentum A. & S.
Stereum sericeum Fr.
Stereum subpileatum B. & C.
Stereum sulcatum Burt
Stereum versiforme B. & C.

10. HYDNOID FUNGI

Bankera

Bankera fuligineo-alba (Schm.) Coker & Beers

Climacodon

Climacodon septentrionalis (Fr.) Karst.

Hericium

Hericium coralloides (Scop.) Pers.

Hericium erinaceus (Bull.) Pers.

Hericium ramosum (Bull.) Letellier

Hydnellum

Hydnellum aurantiacum (A. & S.) Karst.

Hydnellum complicatum Banker

Hydnellum cyaneotinctum (Pk.) Banker

Hydnellum diabolus Banker

Hydnellum floriforme (Schaeff.) Banker

Hydnellum scleropodium Harrison

Hydnellum scrobiculatum (Fr.) Banker

Hydnellum velutinum (Fr.) Banker

Hydnellum zonatum (Batsch) Karst.

Hydnellum zonatum forma vespertillo Coker & Beers

Hydnum

Hydnum albidum Pk.

Hydnum albo-magnum Banker

Hydnum repandum L. ex Fr.

Hydnum rufescens Fr.

Irpex

Irpex cinnamomeus (Schw.) Fr.

Irpex farinaceus Fr.

Odontia

Odontia arguta (Fr.) Quél.

Odontia lactea Karst.

Odontia wrightii B. & C.

11. CLAVARIOID FUNGI

(Edited by R. H. Petersen)

Aphelaria

Aphelaria tuberosa (Grev.) Corner

Clavaria

Clavaria acuta Fr.
Clavaria asperula Atk.
Clavaria atroumbrina Corner
Clavaria fumosa Fr.
Clavaria fuscata Oudem.
Clavaria incarnata Weinm.
Clavaria rubicundula Leathers
Clavaria subcaespitosa Pk.
Clavaria subfalcata Atk.
Clavaria vermicularis Fr.
Clavaria zollingeri Lev.

Clavariadelphus

Clavariadelphus Cokeri Wells & Kempton
Clavariadelphus pistillaris (Fr.) Donk
Clavariadelphus truncatus (Quél.) Donk

Clavicornia

Clavicornia pyxidata (Fr.) Doty

Clavulina

Clavulina castaneopes (Atk.) Petersen
Clavulina cristata (Fr.) Schroët.
Clavulina mutabilis Pet.
Clavulina rugosa (Fr.) Schroët.

Clavulinopsis

Clavulinopsis amoena (Zoll. & Mor.) Corner
Clavulinopsis appalachiensis (Coker) Corner
Clavulinopsis aurantio-cinnabarina (Schw.) Corner
Clavulinopsis corniculata (Fr.) Corner
Clavulinopsis dichotoma (God.) Corner
Clavulinopsis filipes Corner
Clavulinopsis fusiformis (Fr.) Corner
Clavulinopsis holmskjoldii (Oudem.) Corner

Ramaria stricta (Fr.) Quél.
Ramaria subbotrytis (Coker) Corner
Ramaria subbotrytis var. *intermedia* (Coker) Corner
Ramaria subfennica (Coker) Corner
Ramaria subspinulosa (Coker) Corner
Ramaria suecica (Fr.) Donk
Ramaria verna (Coker) Corner
Ramaria xanthosperma (Pk.) Corner

Ramariopsis

Ramariopsis crocea (Fr.) Corner
Ramariopsis flavescens Pet.
Ramariopsis kunzei (Fr.) Corner
Ramariopsis kunzei var. *favreae* Corner
Ramariopsis lentofragilis (Atk.) Pet.
Ramariopsis minutula (Bourd. & Galz.) Pet.
Ramariopsis pseudosubtilis Pet.
Ramariopsis pulchella (Boud.) Corner
Ramariopsis tenui-ramosa Corner

Scytinopogon

Scytinopogon angulispora (Pat.) Corner

Coltricia

Coltricia cinnamomea (Jacq. ex S. F. Gray) Murrill
Coltricia focicola (B. & C.) Murrill
Contricia montagnei (Fr. ex Mont.) Murrill
Coltricia perennis (L. ex Fr.) Murrill

Coltriciella

Coltriciella dependens (B. & C.) Murrill

Coriolus

Coriolus hirsutus (Wul. ex Fr.) Quél.
Coriolus pubescens (Schum. ex Fr.) Quél.
Coriolus versicolor (L. ex Fr.) Quél.

Cryptoporus

Cryptoporus volvatus (Peck) Hubbard

Cycloporus

Cycloporus greenii (Berk.) Murrill

Daedalea

Daedalea ambigua Berk.
Daedalea quercina L. ex Fr.

Daedaleopsis

Daedaleopsis confragrosa (Bolt. ex Fr.) Schroet.

Datronia

Datronia mollis (Sommerf. ex Fr.) Donk

Fistulina

Fistulina hepatica (Schaeff.) Fr.

Fomes

Fomes fomentarius (L. ex Fr.) Fr.
Fomes ohioensis (Berk.) Murrill

Inonotus

Inonotus andersonii (E. & E.) Cerny
Inonotus cuticularis (Bull. ex Fr.) Karst.
Inonotus dryadeus (Pers. ex Fr.) Murrill
Inonotus hispidus (Bull. ex Fr.) Karst.
Inonotus radiatus (Sow. ex Fr.) Karst.
Inonotus rheades (Pers.) Karst.

Irpex

Irpex lacteus (Fr. ex Fr.) Fr.

Ischnoderma

Ischnoderma benzoinum (Wahl.) Karst.

Junghuhnia

Junghuhnia nitida (Pers. ex Fr.) Ryvarden

Laetiporus

Laetiporus sulphureus (Bull. ex Fr.) Murrill

Lenzites

Lenzites betulina (L. ex Fr.) Fries

Onnia

Onnia tomentosa (Fr.) Karst.
Onnia triqueter (Fr.) Imaz. apud Ito

Oxyporus

Oxyporus populinus (Schum. ex Fr.) Donk

Parmastomyces

Parmastomyces kravtzevianus (Bon. & Parm. apud Parm.)
Kotl. & Pouz.

Perenniporia

Perenniporia medulla-panus (Jacq. ex Fr.) Donk
Perenniporia pulchella
Perenniporia subacida (Peck) Donk

Poria oleracea Davidson & Lombard
Poria overholtsii Pilát
Poria radiculosa (Peck) Sacc.
Poria rancida Bres.
Poria spissa (Schw.) Cooke
Poria taxicola (Pers. ex Fr.) Bres.

Porodisculus

Porodisculus pendulus (Schw.) Murrill

Poronidulus

Poronidulus conchifer (Schw.) Murrill

Pseudofistulina

Pseudofistulina radicata (Schw.) Burdsall

Pycnoporus

Pycnoporus cinnabarinus (Jacq. ex Fr.) Karst.
Pycnoporus sanguineus (L. ex Fr.) Murrill

Rigidoporus

Rigidoporus nigrescens (Bres.) Donk
Rigidoporus sanguinolentus (Alb. & Schw.) Donk
Rigidoporus undatus (Pers.) Donk

Schizopora

Schizopora paradoxa (Schrad. ex Fr.) Donk

Skeletocutis

Skeletocutis amorphus (Fr. ex Fr.) Kotl. & Pouz.

Spongipellis

Spongipellis spumeus (Sow. ex Fr.) Pat.

Trametes

Trametes cervina (Schw.) Bres.
Trametes variformis Peck

13. BOLETOID FUNGI

(Edited by Carl B. Wolfe, Jr.)

Boletellus

Boletellus betula (Schw.) Gilbert
Boletellus chrysenteroides (Snell) Snell
Boletellus russellii (Frost) Gilbert

Boletus

Boletus affinis Pk.
Boletus affinis var. *maculosus* Pk.
Boletus alutaceus Morgan in Peck
Boletus atkinsonianus (Murr.) Sacc. & Trott.
Boletus auripes Pk.
Boletus bicolor var. *subreticulatus* Smith & Thiers
Boletus bicolor var. *bicolor*
Boletus bicolor var. *borealis* Smith & Thiers
Boletus brunneo-olivaceus Snell, Dick, & Hesler
Boletus chrysenteron Fr.
Boletus edulis Bull. ex Fr.
Boletus erythropus Fr.
Boletus firmus Frost
Boletus flammans Dick & Snell
Boletus fraternus Pk.
Boletus frostii Russell apud Frost
Boletus fulvus Pk.
Boletus glutinosipes Snell & Hesler
Boletus griseus Frost
Boletus illudens Peck
Boletus insuetus Smith & Thiers
Boletus luridae Shaeff. ex Fr.
Boletus longicurvipes Snell & Smith
Boletus melleoluteus Snell, Dick & Hesler
Boletus miniato-olivaceus Frost
Boletus miniato-olivaceus var. *subluridus*
(Murr.) Singer
Boletus morrisii Pk.
Boletus multipinctus Peck
Boletus nobilis Pk.
Boletus ornatipes Pk.
Boletus pallidus Frost
Boletus parvulus Snell
Boletus peckii Frost
Boletus piedmontensis Grand & Smith

Pulveroboletus

Pulveroboletus auriflammeus (B. & C.) Singer
Pulveroboletus auriporus (Pk.) Singer
Pulveroboletus caespitosus (Peck) Singer
Pulveroboletus ravenelii (B. & C.) Murrill

Strobilomyces

Strobilomyces confusus Singer
Strobilomyces floccopus Karsten

Suillus

Suillus albidipes (Peck) Singer
Suillus americanus (Peck) Snell in Slipp & Snell
Suillus brevipes (Pk.) Kuntze
Suillus granulatus (Fr.) Kuntze
Suillus hirtellus (Pk.) Kuntze
Suillus luteus (Fr.) Gray
Suillus pictus (Pk.) Smith & Thiers
Suillus pinorigidus Snell & Dick
Suillus piperatus (Bull. ex Fr.) Kuntze
Suillus placidus (Bonorden) Singer
Suillus punctipes (Pk.) Singer
Suillus rubinellus (Pk.) Singer
Suillus subaureus (Pk.) Snell
Suillus subluteus (Pk.) Snell in Slipp & Snell

Tylopilus

Tylopilus alboater (Schw.) Murrill
Tylopilus appalachiensis Singer
Tylopilus ballouii (Pk.) Singer
Tylopilus felleus (Fr.) Karsten
Tylopilus ferrugineus (Frost) Singer
Tylopilus ferrugineus ssp. *vinaceogriseus* Snell,
Dick & Hesler
Tylopilus indecisis (Pk.) Murrill
Tylopilus peralbidus (Snell & Beardslee) Murr.
Tylopilus plumbeoviolaceus (Snell) Singer
Tylopilus rubrobrunneus Mazzer & Smith
Tylopilus tabacinus (Pk.) Singer
Tylopilus umbrosus (Peck) Smith & Thiers

14. CANTHARELLOID FUNGI

(Edited by R. H. Petersen)

Cantharellus

Cantharellus appalachiensis Petersen
Cantharellus cibarius Fr.
Cantharellus cinereus Fr.
Cantharellus cinnabarinus Schw.
Cantharellus ignicolor Petersen
Cantharellus infundibuliformis Fr.
Cantharellus lateritius (Berk.) Sing.
Cantharellus minor Peck
Cantharellus minor var. intensissima Petersen
Cantharellus odoratus (Schw.) Fr.
Cantharellus pallidipes Petersen

Craterellus

Craterellus caeruleofuscus Smith
Craterellus calyculus Berk.
Craterellus carolinianus Petersen
Craterellus cornucopioides L. ex Fr.
Craterellus fallax Smith
Craterellus hesleri Petersen
Craterellus subundulatus Pk.

Gloeocantharellus

Gloeocantharellus purpurascens (Hesl.) Sing.

Gomphus

Gomphus clavatus Pers. ex Gray
Gomphus floccosus (Schw.) Sing.
Gomphus kauffmanii (Smith) Petersen

Amanita frostiana (Pk.) Sacc.
Amanita fulva (Schaeff. ex) Pers.
Amanita gemmata (Fr.) Gill.
Amanita hesleri Bas
Amanita muscaria (Fr.) Hooker var. *muscaria*
Amanita muscaria var. *persicina* Jenkins
Amanita onusta (Howe) Sacc.
Amanita pantherina var. *multisquamosa* (Pk.)
 Jenkins
Amanita pantherina var. *velatipes* (Atk.) Jenkins
Amanita parcivolvata (Pk.) Gilb.
Amanita ravenelii (B. & C.) Sacc.
Amanita rhopalopus Bas
Amanita rubescens (Fr.) S. F. Gray
Amanita spissa (Fr.) Kummer
Amanita spreta Pk.
Amanita tephrea Bas (nom. prov.)
Amanita vaginata (Fr.) Vitt.
Amanita virosa (Fr.) Vitt.
Amanita volvata (Pk.) Martin
Amanita wellsi (Murr.) Sacc.

Anellaria

Anellaria sepulchralis (Berk.) Sing. (syn. -
 Panaeolus solidipes Pk.)

Anthracophyllum

Anthracophyllum nigrofolium (Pk.)

Armillariella

Armillariella mellea (Fr.) Karsten
Armillariella tabescens (Fr.) Singer

Asterophora

Asterophora lycoperoides (Merat) Ditmar
Asterophora parasitica (Fr.) Sing.

Baeospora

Baeospora myriadophylla (Pk.) Singer (syn. -
 Collybia myriadophylla Pk.)

Clitocybe rivulosa (Fr.) Kummer
Clitocybe robusta Pk.
Clitocybe senilis (Fr.) Gillet
Clitocybe sinopica (Fr.) Kummer
Clitocybe squamulosa (Fr.) Kummer
Clitocybe striatula (Kuhner) Orton
Clitocybe subclavata (Pk.) Big. & Hes.
Clitocybe subconnexa Murr.
Clitocybe subditopoda Pk.
Clitocybe subpulchella Big. (ined.)
Clitocybe tarda var. *alcalina* Big.
Clitocybe tarda Pk. var. *tarda*
Clitocybe trullaeformis (Fr.) Qué1.
Clitocybe ulmicola Big. (ined.)
Clitocybe vermicularis (Fr.) Qué1.

Clitocybula

Clitocybula lacerata (Pollina) Metrod

Clitopilus

Clitopilus noveboracensis Pk. var. *noveboracensis*
Clitopilus noveboracensis var. *subviolaceus* Pk.
Clitopilus orcella (Fr.) Kummer
Clitopilus prunulus (Fr.) Kummer

Collybia

Collybia abundans Pk.
Collybia acervata (Fr.) Kummer
Collybia alba Pk.
Collybia aquosa Fr.
Collybia butyracea (Fr.) Kummer
Collybia colorea Pk.
Collybia confluens (Fr.) Kummer
Collybia conigena Coker
Collybia conigenoides Ellis
Collybia dichrous (B. & C.) Gilliam
Collybia dryophila (Fr.) Kummer
Collybia exsculpta (Fr.) Gill. var. *exsculpta*
Collybia exsculpta var. *rubescensifolia* Pk.
Collybia familia (Pk.) Sacc.
Collybia fasciata (Penn.) Smith (ined.)
Collybia flaccida Sm. & Hes.
Collybia glatfelteri Murr.
 [*Collybia lacunosa* Pk. - see: *Cryptotrama*
chrysopeplum (B. & C.) Singer]
Collybia leucocephaloides (Pk.) Singer

Cortinarius cinnamomeus (Fr.) Fr.
 Cortinarius colymbadinus Fr.
 Cortinarius compressus Smith
 Cortinarius corrugatus Pk.
 Cortinarius corruscans Fr.
 Cortinarius croceocaeruleus Fr.
 Cortinarius croceofolius Pk.
 Cortinarius cyanites Fr.
 Cortinarius cylindripes Kauff.
 Cortinarius deceptivus Kauff.
 Cortinarius delibutus Fr.
 Cortinarius distans Pk.
 Cortinarius elegantior Fr.
 Cortinarius erythrinus (Fr. ex Secr.) Fr.
 Cortinarius evernius (Fr.) Fr.
 Cortinarius flavifolius Pk.
 Cortinarius flexipes Fr.
 Cortinarius gentilis Fr.
 Cortinarius glandicolor Fr.
 Cortinarius glaucopus (Fr.) Fr.
 Cortinarius glutinosus Pk.
 Cortinarius hemitrichus Fr.
 Cortinarius hinnuleus Fr.
 Cortinarius humicola (Quél.) Maire
 Cortinarius iliopodius Fr.
 Cortinarius infractus Fr.
 Cortinarius injucundus Fr.
 Cortinarius iodes B. & C.
 Cortinarius iodeoides Kauff.
 Cortinarius lanatipes Pk.
 Cortinarius laniger Fr.
 Cortinarius lapidophilus Pk.
 Cortinarius largus Fr.
 Cortinarius lilacinus Pk.
 Cortinarius luteobrunnescens Smith
 Cortinarius malachius (Fr.) Fr.
 Cortinarius malicorius Fr.
 Cortinarius mammosus Kauff.
 Cortinarius modestus Pk.
 Cortinarius montanus Kauff.
 Cortinarius morrisii Pk.
 Cortinarius mucosus (Fr.) Ricken
 Cortinarius multifolius Fr.
 Cortinarius multififormis (Fr. ex Secr.) Fr.
 Cortinarius muscigenus Pk.
 Cortinarius mutabilis Smith
 Cortinarius nigrellus Pk.
 Cortinarius nigroscupidatus Kauff.

Crepidotus crocophyllus (Berk.) Sacc.
Crepidotus cystidiosus Hes. & Sm.
Crepidotus ellipsoideus Hes. & Sm.
Crepidotus epibryus (Fr.) Quél.
Crepidotus fraxinicola Murr.
Crepidotus herbarum (Pk.) Sacc.
Crepidotus kauffmanii Hes. & Sm.
Crepidotus malachius (B. & C.) Sacc. var. *malachius*
Crepidotus malachius var. *trichiiferus* Hes. & Sm.
Crepidodotus mollis (Fr.) Staude var. *mollis*
Crepidotus montanus Hes. & Sm.
Crepidotus nephrodes (B. & C.) Sacc.
Crepidotus putrigenus (B. & C.) Sacc.
Crepidotus regularis Hes. & Sm.
Crepidotus smithii Hes.
Crepidotus unicus Hes. & Sm.
Crepidotus versutus (Pk.) Sacc.
Crepidotus viridiphyllus Hes.
Crepidotus viscidiphyllus Hes.
Crepidotus vulgaris Hes. & Sm.

Crinipellis

Crinipellis stipitaria (Fr.) Pat.
Crinipellis zonatus (Pk.) Pat.

Cystoderma

Cystoderma amianthinum (Fr.) Fayod var.
 amianthinum
Cystoderma amianthinum f. *rugoso-reticulatum*
 (lorinser) Sm. & Sing.
Cystoderma amianthinum var. *sublongisporum*
 Singer
Cystoderma granulosum (Fr.) Fayod
Cystoderma granosum (Morgan) Sm. & Sing.
Cystoderma ponderosum Sm. & Sing.

Entoloma

Entoloma abortivum (B. & C.) Donk
Entoloma aethiops (Fr.) Stevenson var. *aethiops*
Entoloma aethiops var. *cystidiosum* Hes.
Entoloma alabamense (Murr.) Hes.
Entoloma albatum Hes.
Entoloma albinellum (Pk.) Hes.
Entoloma albosericeum Hes.
Entoloma albo-umbonatum Hes.

Entoloma micropus (Pk.) Hes.
Entoloma mougeotii (Fr.) Hes.
Entoloma murinum Pk.
Entoloma murraili (B. & C.) Sacc.
Entoloma nigrobrunneum Hes.
Entoloma nigrosquamosum Hes.
Entoloma nigroviolaceum var. *striatulum* Hes.
Entoloma nigroviolaceum (Orton) Hes. var.
 nigroviolaceum
Entoloma odorifer Hes.
Entoloma olivaceobrunneum Hes.
Entoloma olivaceomarginatum Hes.
Entoloma olivaceosquamosum Hes.
Entoloma pallido-olivaceum Hes.
Entoloma papillatum (Bres.) Dennis
Entoloma parvipapillatum (Murr.) Hes.
Entoloma parvum (Pk.) Hes.
Entoloma prismosporum Hes.
Entoloma pyrinum (B. & C.) Hes.
Entoloma rhodopolium (Fr.) Kummer
Entoloma rimosus Hes.
Entoloma roseum (Longyear) Hes.
Entoloma rugulosum Hes.
Entoloma salmoneum (Pk.) Sacc.
Entoloma scabrinellum (Pk.) Sacc.
Entoloma sericatum (Britz.) Sacc.
Entoloma sericellum var. *amarum* Hes.
Entoloma sericellum (Fr.) Kummer var. *sericellum*
Entoloma sericeum (Merat) Quél.
Entoloma serrulatum (Fr.) Hes.
Entoloma setastipes Hes.
Entoloma squamodiscum Hes.
Entoloma squamulosum Hes.
Entoloma stipitatum (Sm. & Hes.) Hes.
Entoloma striatum Hes.
Entoloma strictius var. *cystidiosum* Hes.
Entoloma strictius (Pk.) Sacc. var. *strictius*
Entoloma subcorvinum Hes.
Entoloma subfarinaceum Hes.
Entoloma subgriseum Hes.
Entoloma subhirtipes Hes.
Entoloma subnigrum (Murr.) Hes.
Entoloma subplanum (Pk.) Hes.
Entoloma subplicatum Hes.
Entoloma subquadratum Hes.
Entoloma subserrulatum (Pk.) Hes.
Entoloma substrictius Murr.
Entoloma subumbonatum Hes.
Entoloma tephreum Hes.

Gymnopilus

Gymnopilus aeruginosus (Pk.) Sing.
Gymnopilus flavidellus Murr.
Gymnopilus fuscusquamulosus Hes.
Gymnopilus liquiritiae (Fr.) Karst.
Gymnopilus naucorioides Hes.
Gymnopilus picreus (Fr.) Karst.
Gymnopilus spectabilis (Fr.) Smith

Hebeloma

Hebeloma albomarginatum Hes.
Hebeloma angustisporium Hes.
Hebeloma asperulatum Hes.
[Hebeloma avellaneifolium sp. nov.]
Hebeloma brunneifolium Hes.
[Hebeloma fasciculatum sp. nov.]

[Hebeloma linearifolium sp. nov.]
Hebeloma mesophaeum (Fr.) Qué1.

[Hebeloma nitidum sp. nov.]

[Hebeloma ochraceodiscus sp. nov.]

[Hebeloma ochraceum sp. nov.]

[Hebeloma odoriferum sp. nov.]

[Hebeloma pallens sp. nov.]

[Hebeloma parvulum sp. nov.]

Hebeloma perangustisporium Hes.

[Hebeloma piceicola sp. nov.]

[Hebeloma pinicola sp. nov.]

Hebeloma politum Hes.
Hebeloma rivulosum He.
[Hebeloma subasperulatum sp. nov.]

[Hebeloma submite sp. nov.]

Hebeloma velatum Pk.

Hygrophorus obconicus Pk.
Hygrophorus occidentalis Sm. & Hes.
Hygrophorus ovinus (Fr.) Fr.
Hygrophorus paludosus Pk.
Hygrophorus parvulus Pk.
Hygrophorus peckianus Howe
Hygrophorus ponderatus Britz
Hygrophorus pratensis (Fr.) Fr.
Hygrophorus pseudo-ovinus sp. nov. (not
published as yet, Oct. 1976)
Hygrophorus pseudopallidus Hes. & Sm.
Hygrophorus psitticinus Fr.
Hygrophorus puniceus Fr.
Hygrophorus purpurascens Schw.
Hygrophorus urssula (Fr.) Quel.
Hygrophorus spadiceus var. *albifolius* Hes. & Sm.
Hygrophorus subaustralis Sm. & Hes.
Hygrophorus subovinus Hes. & Sm.
Hygrophorus subviolaceus Pk.
Hygrophorus tennesseensis Sm. & Hes.
Hygrophorus tephroleucus (Fr.) var. *tephroleucus*
Hygrophorus tephroleucus var. *aureofloccosus*
Sm. & Hes.
Hygrophorus unquinosus (Fr.) Fr. var. *unquinosus*
Hygrophorus virgineus (Fr.) Fr.

Hypsizygus

Hypsizygus tessulatus (Fr.) Sing. (syn. --
Pleurotus ulmarius)

Inocybe

Inocybe albodisca Pk.
Inocybe atripes Atk.
Inocybe caesariata (Fr.) P. Karsten
Inocybe calamistrata (Fr.) Qué1.
Inocybe castanea Pk.
Inocybe ciacatricata E. & E.
Inocybe cookei Bres.
Inocybe destrieta Fr.
Inocybe eutheloides Pk.
Inocybe fastigiata (Schaeff.) P. Karst. var.
fastigiata
Inocybe fastigiata var. *microsperma* Bres.
Inocybe fastigiella Atk.
Inocybe fuscodisca (Pk.) Massee

[Lactarius carminascens Smith & Hes.]
 Lactarius carolinensis Hes.
 Lactarius chelidonium Pk. var. chelidonium
 Lactarius chrysorheus Fr.
 Lactarius cinereus Pk. var. cinereus
 [Lactarius cinereus var. fagetorum Smith & Hes.]
 [Lactarius circellatus var. borealis Smith & Hes.]
 Lactarius cokeri Sm. & Hes.
 Lactarius colorascens Pk.
 Lactarius corrugis Pk.
 [Lactarius crassocutis (Smith & Hes.)
 (= L. torminosus var. glabra Murr.)]
 Lactarius croceus Burl.
 Lactarius deceptivus Pk.
 Lactarius delicatus Burl.
 Lactarius deliciosus (Fr.) S. F. Gray var.
 deliciosus
 Lactarius fagicola Sm. & Hes.
 [Lactarius frustratus Smith & Hes.]
 Lactarius fumosus Pk. var. fumosus
 [Lactarius fusco-olivaceus Smith & Hes. var.
 fusco-olivaceus]
 Lactarius gerardii Pk.
 Lactarius glutinopallens Lge. & Möller
 Lactarius griseus Pk.
 Lactarius hygrophoroides Berk. & Curt.
 Lactarius imperceptus Beards. & Burl.
 Lactarius indigo (Schw.) Fr. var. indigo
 Lactarius lanuginosus Burl.
 [Lactarius lavendulaceus Smith & Hes.]
 Lactarius lignyotellus Sm. & Hes.
 Lactarius lignyotus var. canadensis Sm. & Hes.
 Lactarius luteolus Pk.
 Lactarius maculatipes Burl.
 Lactarius maculatus Pk.
 Lactarius maculosus Murr.
 Lactarius marylandicus Sm. & Hes.
 Lactarius mucidus Burl. var. mucidus
 [Lactarius musicola Smith & Hes.]
 Lactarius mutabilis Pk.
 [Lactarius neuhoffii var. fragrans (Burl.)
 Smith & Hes.]
 [Lactarius neuhoffii var. neuhoffii Smith & Hes.]

Lentinellus

[See: Singer, Agaricales, 3rd ed., p. 794, 1975, in which he refers to the recent work of Maas Geesteranus, who places the genera Lentinellus and Auriscalpium, a hydneaceous fungus, in a proposed new family, Auriscalpiaceae.]

Lentinellus umbilicatus (Pk.) Singer (syn. --
L. omphalodes (Fr.) Karsten)
Lentinellus ursinus (Fr.) Kühner
Lentinellus vulpinus (Fr.) Kühner

Lentinus

Lentinus adhaerens (Fr.) Fr.
Lentinus lepideus (Fr.) Fr.

Lepiota

Lepiota acerina Pk.
Lepiota acutaesquamosa (Weinm.) Kummer
Lepiota alluviana (Fr.) Morgan
Lepiota asperula Atk.
Lepiota bucknallii (B. & Br.) Sacc.
[Singer: Cystolepiota]
Lepiota cepaestipes (Fr.) Kummer
[Leucocoprinus]
Lepiota clypeolaria (Fr.) Kummer
Lepiota cortinarius Lange
Lepiota cristata (Fr.) Kummer
Lepiota cristatella Pk.
Lepiota forquignonii Ricken
Lepiota fuscosquamea Pk.
Lepiota grangei (Eyre) Lange
Lepiota kauffmanii Helen V. Smith
Lepiota lutea (Secr.) Godfrin
Lepiota miamensis Morgan
Lepiota molybdites (Fr.) Sacc.
[Chlorophyllum m. (Fr.) Masee]
Lepiota phaeosticta Morgan
Lepiota procera (Fr.) Kummer [Macrolepiota p.
(Fr.) Sing.]
Lepiota pusillomyces Pk.
Lepiota roseifolia Murr.

Melanoleuca

Melanoleuca melanoleuca (Fr.) Pat.

Micromphale

Micromphale foetidum (Schw. ex Fr.) Singer

Mycena

Mycena acicula (Fr.) Kuhner
Mycena alba Pk.
Mycena albiceps (Pk.) Gilliam
Mycena albidula (Pk.) Sing.
Mycena alcalina (Fr.) Qué. l.
Mycena algierensis Kuhner
Mycena atroalboides Pk.
Mycena borealis Smith
Mycena capilaripes Pk.
Mycena carolinensis Sm. & Hes.
Mycena cinerella Karst.
Mycena clavicularis (Fr.) Gill.
Mycena collybiiformis Murr.
Mycena concolor (Lange) Kuhner
Mycena corticola (Fr.) S. F. Gray
Mycena cylindrispora Sm.
Mycena delicatella (Pk.) Sm.
Mycena elegantula Pk.
Mycena epipterygia (Fr.) S. F. Gray var. *epipterygia*
Mycena epipterygia var. *lignicola* Smith
Mycena excisa (Lasch) Gillet
Mycena fagetorum (Fr.) Gill.
Mycena fibula (Fr.) Kuhner
Mycena filopes (Fr.) Qué. l.
Mycena flavoalba (Fr.) Qué. l.
Mycena fuliginaria (Fr.) Kuhner (= *Collybia succosa*)
Mycena galericulata (Fr.) S. F. Gray
Mycena galopus (Fr.) Qué. l.
Mycena gracilis (Quel.) Kuhner
Mycena haematopus (Fr.) Qué. l. var. *haematopus*
Mycena haematopus var. *marginata* Lange
Mycena hemispherica Pk.
Mycena hiemalis (Fr.) Qué. l.
Mycena inclinata (Fr.) Qué. l.
Mycena iodiolens Lundell
Mycena kauffmaniana Smith
Mycena latifolia (Pk.) Sacc.
Mycena leajana Berk.
Mycena leptcephala (Pk.) Gill.

Nothopanus

Nothopanus porrigens (Fr.) Sing. (syn --
Pleurotus albolanatus (Pk.) Kauff.)

Omphalina

Omphalina epichysium (Fr.) Qué1.
Omphalina griseopallida (Desm.) Qué1.

Oudemansiella

Oudemansiella radicata (Fr.) Singer

Panaeolus

Panaeolus retirugis (Fr.) Qué1.

Panus

Panus conchatus (Fr.) Fr. (syn. -- Panus
torulosus (Fr.) Fr.)
Panius rudis Fr. (syn. -- Lentinus strigosus
(Schw.) Fr.)
Panus stypticus Fr.
Panus suavissimus (Fr.) Sing. (syn. -- Lentinus
haematopus Berk.; Panellus haematopus (Berk.)
Murr.)
Panus tigrinus (Fr.) Sing.

Paxillus

Paxillus atrotomentosus (Fr.) Fr.
Paxillus curtisii Berk. apud Berk. & Curt.
(syn. -- Paxillus corrugatus Atk.)
Paxillus involutus (Fr.) Fr.
Paxillus panuoides (Fr.) Fr.

Pholiota

Pholiota aberrans Sm. & Hes.
Pholiota abieticola Sm. & Hes.
Pholiota adiposa (Fr.) Kummer
Pholiota aeruginosa Pk.
Pholiota albocrenulata (Pk.) Sacc.
Pholiota albo-olivascens Sm. & Hes.
Pholiota astragalina (Fr.) Sing.
Pholiota aurivella (Fr.) Kummer

Pleurotus

Pleurotus levis (B. & C.) Sing. (syn. --
 Panus levis B. & C.)
Pleurotus ostreatus (Fr.) Kummer
Pleurotus sapidus Kalchbr.

Pluteus

Pluteus admirabilis Pk.
Pluteus atriavellaneus Murr.
Pluteus atromarginatus (Singer) Kuhner
Pluteus cervinus (Fr.) Kummer
Pluteus flavofuliginus Atk.
Pluteus leoninus (Fr.) Kummer
Pluteus longistriatus (Pk.) Sacc.
Pluteus lutescens (Fr.) Bres.
Pluteus melleus Murr.
Pluteus nanus (Fr.) Kuhner
Pluteus salicinus (Fr.) Kummer
Pluteus umbrosus (Fr.) Kummer

Psathyrella

Psathyrella agrariella (Atk.) Sm.
Psathyrella anaglaea (Maire) Sm. & Hes.
Psathyrella atomatoides (Pk.) Sm.
Psathyrella camptopoda (Pk.) Sm.
Psathyrella candolleana (Fr.) Maire
Psathyrella confertissima (Atk.) Sm.
Psathyrella conissans (Pk.) Sm.
Psathyrella delineata (Pk.) Sm.
Psathyrella foenisecii (Fr.) Sm.
Psathyrella hydrophila (Fr.) Maire
Psathyrella hymenoccephala (Pk.) Sm.
Psathyrella incerta (Pk.) Sm.
Psathyrella inflatocystis Sm.
Psathyrella lacrymabunda var. *aggregata*
 (Pk.) Sm.
Psathyrella larga (Kauff.) Sm.
Psathyrella madeodisca (Pk.) Sm.
Psathyrella obtusata (Fr.) Sm.
Psathyrella orbitarum (Romagn.) Moser
Psathyrella piceicola Sm. & Hes.
Psathyrella rigidipes (Pk.) Sm.
Psathyrella rugoradiata Hes. & Sm.
Psathyrella squamosa (Karst.) Moser
Psathyrella subvolvata Sm. & Hes.
Psathyrella trepida (Fr.) Gill.

Russula fosteriana Murr.
Russula fragrantissima Romagn.
Russula granulata (Pk.) Pk.
Russula heterophylla Fr.
Russula integra Fr.
Russula laurocersai Melzer
Russula lepidiformis Murr.
Russula leucomodesta Singer
Russula lutea (Fr.) S. F. Gray
Russula magna Beards.
Russula mariae Pk.
Russula modesta Pk.
Russula nigricans Fr.
Russula nigrodisca Pk.
Russula ochroleuroides Kauff.
Russula ochrophylla Pk.
Russula pectinata Fr.
Russula pectinatoides Pk.
Russula polyphylla Pk. (syn. -- *R. magnifica* Pk.)
Russula pratensis Murr.
Russula pseudofetens Murr.
Russula puellaris Fr.
Russula pulchella Borscz.
Russula pulverulenta Pk.
Russula pungens Beards.
Russula pusilla Pk.
Russula pusilliformis Murr.
Russula rubescens Beards.
Russula sanguinea Fr.
Russula sericeonitens Kauff.
Russula simillima Pk.
Russula squalida Pk.
Russula subaltacea Burl.
Russula subfetens W. G. Smith
Russula subobscura Murr.
Russula subvelutina Pk.
Russula tennesseensis Singer
Russula tenuiceps Kauff.
Russula uncialis Pk.
Russula vesca Fr.
Russula veternosa Fr.
Russula vinacea Burl.
Russula virescens (Zanted.) Fr.

Tricholoma portentosum (Fr.) Qué1.
Tricholoma resplendens (Fr.) Qué1.
Tricholoma saponaceum (Fr.) Kummer
Tricholoma sejunctum (Fr.) Qué1.
Tricholoma subluteum Pk.
Tricholoma subsejunctum Pk.
Tricholoma sulphureum (Fr.) Kummer
Tricholoma terreum (Fr.) Kummer
Tricholoma tumidum (Fr.) Gill.
Tricholoma vaccinum (Fr.) Kummer
Tricholoma virgatum (Fr.) Kummer
Tricholoma viriditinctum (Pk.) Sacc.

Tricholomopsis

Tricholomopsis decora (Fr.) Sing.
Tricholomopsis hirtellus (Pk.) Sing.
Tricholomopsis platyphylla (Fr.) Sing.
Tricholomopsis rutilans (Fr.) Sing.

Trogia

Trogia alni Pk.
Trogia crispa Fr.

Xeromphalina

Xeromphalina campanella (Fr.) Kuhner & Maire
Xeromphalina caulicinalis (Fr.) Kuhner & Maire
Xeromphalina picta (Fr.) A. H. Smith
Xeromphalina tenuipes (Schw.) A. H. Smith

Lycoperdon

Lycoperdon atropurpureum Vitt.
Lycoperdon curtisii Berk.
Lycoperdon echinatum Pers.
Lycoperdon fuscum Bon.
Lycoperdon gemmatum Batsch (perlatus Pers.)
Lycoperdon marginatum Vitt.
Lycoperdon peckii Morgan
Lycoperdon pulcherimum B. & C.
Lycoperdon pusillum Batsch
Lycoperdon pyriforme (Schaeff.) Fr.
Lycoperdon subincarnatum Pk.

Mutinus

Mutinus curtisii (Berk.) Fisch.
Mutinus ravenelii (B. & C.) E. Fischer

Phallus

Phallus ravenelii B. & C.

Pisolithus

Pisolithus tinctorius (Pers.) Coker & Couch

Rhizopogon

Rhizopogon atlanticus Coker & Dodge
Rhizopogon hesleri Dodge
Rhizopogon nigrescens Coker & Couch
Rhizopogon roseolus (Corda) Hollos
Rhizopogon rubescens Tul.

Scleroderma

Scleroderma aurantium (Vaill.) Pers.
Scleroderma cepa Vaill. ex Fr.
Scleroderma geaster Fr.
Scleroderma lycoperdoides Schw.
Scleroderma vulgare (Horn.) Fr.

Sphaerobolus

Sphaerobolus stellatus Tode

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