

The 2004 North American Mycological Association Foray
Asheville, North Carolina, July 15 - 17, 2004

This species list has 59 ascomycetes (including one lichen), 337 basidiomycetes, and 7 myxomycetes (slime molds), for a total of 403 taxa. This is a grand number considering the somewhat dry conditions and the time of year, typically, more species are found in August or September. The three previous NAMA forays in North Carolina listed about 469 taxa in 1974, 382 taxa in 1980, and 532 in 1994. Even so, 90 (26%) of the basidiomycetes and 25 (42%) of the ascomycetes recorded in 2004 were not listed on those earlier forays. The most prevalent genera were *Amanita* (27), *Boletus* (20), *Lactarius* (30), and *Russula* (25). *Laccaria laccata* and *Pluteus cervinus* remain tied for most frequently recorded species, both now listed for 34 of the annual NAMA forays.

This list covers the fungi collected during the three days of the NAMA foray, including the joint foray with the Mycological Society of America. This list does not include material from the mycoblit, which preceded NAMA. Identifications were made by 33 people. Thank you! Some specimens were later checked microscopically and names were confirmed or changed. Two dozen additional collections were identified from material saved the last day of the foray. There are 447 voucher collections preserved at the mycology herbarium of The Field Museum. Also, Andrew Miller supplied identifications for his 23 collections of pyrenomycetes and other ascomycetes. Please send additions and corrections to Patrick Leacock, pleacock@fieldmuseum.org

Heartfelt thanks to the members of the expanded Voucher Program Committee: Jack Murphy (chair), Patrick Leacock (data coordinator), Greg Mueller (Field Museum liaison), Adele Mehta (foray recorder), Dave Lewis, Jerry Sheine, Allein Stanley, Betty Strack, Gabrielle Zeiger, and the graduate students Sean Jones, Matt Keirle, and George Mugambi, and the volunteers who gave of their time. Thanks also go to the interns, Pat Hogan, Wyatt Gaswick, Kevin Dean, research assistant Audrey Sica, and herbarium volunteer Alice Pilar, for their assistance at The Field Museum with database and specimen processing. But above all, we thank the board and trustees of NAMA for their continued support of the voucher program.

Report submitted by Patrick Leacock, The Field Museum.

The 2004 North American Mycological Association Foray was organized by Ike Forester, Allein Stanley, Carol Drei, Jack Greene, Pete Whelihan, and Gary Lincoff, and held at the University of North Carolina, Asheville, North Carolina, July 15 - July 17, 2004.

Principal Mycologist: Dr. Coleman McCleneghan
33 persons made identifications in the following list.

This species list, prepared by the Voucher Program Committee, has 403 taxa and is current as of 5 October 2004.

The arrangement of Orders and Families follows
The Dictionary of the Fungi, 9th edition

Kingdom Fungi

Ascomycota

- anamorphic ascomycetes
 - Paecilomyces tenuipes (Isaria tenuipes)
- incertae sedis (Order not known)
 - incertae sedis (Family not known)
 - Ceratospaeria
 - Annulatascaceae
 - Annulatascus velatispora
 - Helminthosphaeriaceae
 - Echinospaeria canescens (Lasiosphaeria canescens)
 - Helminthosphaeria aff.
 - Helminthosphaeria clavariarum
 - Helminthosphaeria or Phaeotrichosphaeria
 - Umbilicariaceae
 - Umbilicaria mammulata
- Bolinales
 - Boliniaceae
 - Camarops petersii
- Chaetosphaeriales
 - Chaetosphaeriaceae
 - Chaetosphaeria ellisii
- Coronophorales
 - Bertiaceae
 - Bertia moriformis
- Helotiales
 - Dermateaceae
 - Chlorosplenium versiforme
 - Geoglossaceae
 - Microglossum rufum
 - Trichoglossum
 - Trichoglossum farlowii
 - Trichoglossum walteri

Helotiaceae

Chlorociboria aeruginascens

Leotiaceae

Leotia atrovirens

Leotia lubrica group

Leotia viscosa

Hypocreales

anamorphic Hypocreales

Stilbella acerina

Clavicipitaceae

Cordyceps militaris

Hypocreaceae

Hypomyces armeniacus

Hypomyces chrysospermus

Hypomyces hyalinus

Hypomyces lactifluorum

Hypomyces lateritius

Hypomyces luteovirens

Hypomyces macrosporus

Hypomyces porphyreus

Trichoderma

Orbiliales

Orbiliaceae

Orbilia inflatula

Pezizales

Helvellaceae

Helvella crispa

Helvella lacunosa

Helvella macropus

Pyronemataceae

Humaria hemisphaerica

Otidea grandis

Scutellinia scutellata

Sarcoscyphaceae

Sarcoscypha occidentalis

Wynnea americana

Sarcosomataceae

Galiella rufa (Bulgaria rufa)

Sarcosoma

Wolfina aurantiopsis

Pleosporales

Lophiostomataceae

Lophiostoma

Pleosporales

Melanommataceae

Trematosphaeria

Rhytismatales

Cudoniaceae

Spathularia velutipes

Sordariales

Lasiosphaeriaceae

Lasiosphaeria aff.

Lasiosphaeria hirsuta

Lasiosphaeria lanuginosa

Xylariales

Clypeosphaeriaceae

Jobellisia luteola

Xylariaceae

Daldinia

Daldinia concentrica

Hypoxylon

Hypoxylon howeianum

Xylaria

Xylaria cornu-damae

Xylaria magnoliae

Xylaria multiplex

Xylaria polymorpha

Basidiomycota

Agaricales

Agaricaceae

Agaricus abruptibulbus

Agaricus cf. *silvaticus*

Agaricus silvicola

Lepiota acutesquamosa

Bolbitiaceae

Agrocybe acericola

Clavariaceae

Clavaria vermicularis

Clavaria zollingeri

Clavulinopsis aurantio-cinnabarina

Clavulinopsis fusiformis (*Ramariopsis fusiformis*)

Coprinaceae

Coprinus cf. *atramentarius* (*Coprinopsis* cf. *atramentarius*)

Coprinus radiatus (*Coprinopsis radiatus*)

Psathyrella cf. *candolleana*

Cortinariaceae

Cortinarius alboviolaceus

Cortinarius bolaris

Cortinarius corrugatus

Cortinarius croceofolius

Cortinarius flavifolius

Cortinarius iodes

Cortinarius lewisii
Cortinarius torvus
Crepidotus applanatus
Crepidotus mollis
Inocybe
Inocybe calamistrata
Inocybe tubarioides
Phaeocollybia christinae

Entolomataceae

Leptonia serrulata
Nolanea murraini (Entoloma murraini)
Nolanea strictia (Entoloma strictius)
Pouzarella
Pouzarella nodospora

Fistulinaceae

Fistulina hepatica

Hydnangiaceae

Laccaria amethystina
Laccaria laccata
Laccaria ohiensis
Laccaria trichodermophora

Lycoperdaceae

Lycoperdon perlatum

Marasmiaceae

Marasmiellus opacus
Marasmius nigrodiscus
Marasmius rotula
Marasmius strictipes
Omphalotus olearius
Rhodocollybia maculata var. scorzonerea
Xerula furfuracea

Nidulariaceae

Crucibulum laeve
Cyathus stercoreus
Cyathus striatus

Pleurotaceae

Pleurotus laevis (Lentinus laevis)
Pleurotus ostreatus
Pleurotus pulmonarius

Pluteaceae

Amanita albocreata
Amanita bisporigera
Amanita brunnescens
Amanita brunnescens var. pallida
Amanita ceciliae
Amanita cinereoconia

Amanita citrina
Amanita citrina var. lavendula
Amanita cokeri
Amanita daucipes
Amanita farinosa
Amanita flavoconia
Amanita flavorubens (A. flavorubescens)
Amanita fulva
Amanita gemmata
Amanita onusta
Amanita parcivolvata
Amanita pseudoceciliae
Amanita ravenelii
Amanita rhopalopus
Amanita rubescens
Amanita sassa
Amanita sp. T16
Amanita umbrinolutea
Amanita vaginata
Amanita virosa
Amanita volvata
Pluteus admirabilis
Pluteus cervinus

Strophariaceae

Hypholoma fasciculare (Naematoloma fasciculare)
Hypholoma subviride
Stropharia hardii

Tricholomataceae

Callistosporium luteoolivaceum
Cheimonophyllum candidissimum
Chrysomphalina chrysophylla (Gerronema chrysophylla)
Chrysomphalina strombodes (Gerronema strombodes)
Clitocybe clavipes
Clitocybe gibba
Cystoderma amianthinum var. rugosoreticulatum
Gymnopus confluens (Collybia confluens)
Gymnopus dichrous (Collybia dichrous)
Gymnopus dryophilus (Collybia dryophila)
Gymnopus subnudus (Collybia subnuda)
Hygrocybe appalachiensis
Hygrocybe calyptrata
Hygrocybe cantharellus
Hygrocybe conica
Hygrocybe flavescens
Hygrocybe laeta
Hygrocybe marginata var. concolor

Hygrocybe marginata var. marginata
Hygrocybe purpureofolia
Hygrophorus pratensis (Camarophyllus pratensis)
Hygrophorus subovinus (Hygrocybe subovina)
Hypsizygus tessulatus (Hypsizygus tessellatus)
Leucopaxillus laterarius
Lyophyllum
Megacollybia platyphylla (Tricholomopsis platyphylla)
Mycena leaiana
Mycena pura
Mycena rutilantiformis
Omphalina chrysophylla (Chrysomphalina chrysophylla)
Panellus stipticus
Rickenella fibula
Tricholomopsis decora
Tricholomopsis rutilans
Xeromphalina campanella
Xeromphalina fulvipes

Boletales

Boletaceae

Austroboletus gracilis
Boletus auripes
Boletus auriporus
Boletus bicolor
Boletus chrysenteroides
Boletus chrysenteron
Boletus frostii
Boletus griseus
Boletus hortonii
Boletus innixus
Boletus longicurvipes
Boletus morrisii
Boletus ornatipes
Boletus pallidus
Boletus pulverulentus
Boletus roxanae
Boletus sensibilis
Boletus subglabripes
Boletus subvelutipes
Boletus variipes
Boletus vermiculosus
Leccinum albellum
Leccinum chromapes (Tylopilus chromapes)
Phylloporus rhodoxanthus
Pulveroboletus ravenelii
Pulveroboletus retipes (Boletus retipes)

Strobilomyces confusus
Strobilomyces floccopus
Tylopilus eximius
Tylopilus felleus
Tylopilus plumbeoviolaceus
Tylopilus porphyrosporus
Tylopilus rubrobrunneus
Tylopilus variobrunneus
Tylopilus violatinctus
Xanthoconium affine (Boletus affinis)
Xanthoconium affine var. maculosus
Xanthoconium purpureum
Xanthoconium separans (Boletus separans)

Gyroporaceae

Gyroporus castaneus
Gyroporus cyanescens

Paxillaceae

Paxillus atrotomentosus
Paxillus involutus

Sclerodermataceae

Astraeus hygrometricus
Calostoma cinnabarina
Scleroderma areolatum
Scleroderma citrinum
Scleroderma polyrhizon (Scleroderma geaster)

Suillaceae

Suillus americanus
Suillus granulatus
Suillus placidus
Suillus punctipes
Suillus spraguei

Cantharellales

Cantharellaceae

Cantharellus appalachiensis
Cantharellus cibarius
Cantharellus cinnabarinus
Cantharellus ignicolor
Cantharellus lateritius
Cantharellus minor
Cantharellus persicinus
Cantharellus tubaeformis
Craterellus fallax
Craterellus odoratus (Cantharellus odoratus)

Clavulinaceae

Clavulina cinerea
Clavulina cristata

Hydnaceae
Hydnum repandum
Hydnum rufescens
Hydnum umbilicatum

Dacrymycetales
Dacrymycetaceae
Dacrymyces palmatus

Exobasidiales
Exobasidiaceae
Exobasidium rhododendri

Hymenochaetales
Hymenochaetaceae
Coltricia cinnamomea
Coltricia montagnei (Coltricia montagnei var. greenii)
Coltricia perennis
Coltriciella dependens
Hymenochaete
Inonotus cf. cuticularis
Inonotus tomentosus
Phellinus chrysoloma
Phellinus ferruginosus
Phellinus gilvus
Phellinus pini
Phellinus rimosus
Phellinus robineae

Schizoporaceae
Oxyporus populinus
Schizopora flavipora

Phallales
Gomphaceae
Clavariadelphus pistillaris
Gomphus floccosus
Gomphus kauffmanii
Ramariopsis kunzei

Phallaceae
Mutinus elegans
Phallus impudicus
Pseudocolus fusiformis (Pseudocolus schellenbergii)

Ramariaceae
Ramaria botrytis
Ramaria fennica var. violaceabrunnea
Ramaria grandis
Ramaria stricta

Polyporales
Fomitopsidaceae
Daedalea quercina

Fomitopsis cajanderi
Fomitopsis spraguei
Parmastomyces transmutans (Tyromyces fragilis)

Ganodermataceae
Ganoderma applanatum
Ganoderma tsugae

Gloeophyllaceae
Gloeophyllum sepiarium

Hapalopilaceae
Bjerkandera adusta
Ceriporiopsis cf.
Hapalopilus croceus
Hapalopilus nidulans

Meripilaceae
Abortiporus fractiporus

Meruliaceae
Gloeoporus dichrous
Phlebia (Merulius)
Phlebia incarnata

Phanerochaetaceae
Phanerochaete

Podoscyphaceae
Cotylidia

Polyporaceae
Corioloopsis gallica
Daedaleopsis confragosa
Fomes fomentarius
Laetiporus cincinnatus
Laetiporus sulphureus
Lentinus suavissimus
Lenzites betulina
Microporellus dealbatus
Oligoporus
Oligoporus floriformis
Phaeolus schweinitzii
Polyporus elegans
Polyporus radicans
Polyporus varius
Pycnoporellus fulgens
Trametes elegans (Daedalea elegans)
Trametes versicolor
Trichaptum abietinum
Trichaptum biforme
Trichaptum cf. subchartaceum
Tyromyces chioneus

Steccherinaceae

Mycorrhaphium adustum
Steccherinum ochraceum

Russulales

Auriscalpiaceae

Clavicornia pyxidata
Lentinellus cochleatus
Lentinellus ursinus

Bondarzewiaceae

Bondarzewia berkeleyi

Hericiaceae

Hericium coralloides
Hericium erinaceus

Lachnocladiaceae

Vararia investiens

Russulaceae

Lactarius allardii
Lactarius argillaceifolius
Lactarius atroviridis
Lactarius camphoratus
Lactarius chrysorheus
Lactarius cinereus
Lactarius corrugis
Lactarius croceus
Lactarius deceptivus
Lactarius gerardii
Lactarius glaucescens
Lactarius griseus
Lactarius hygrophoroides
Lactarius imperceptus
Lactarius indigo
Lactarius lignyotus var. marginatus
Lactarius maculatipes
Lactarius mucidus
Lactarius peckii
Lactarius piperatus
Lactarius psammicola
Lactarius quietus var. incanus
Lactarius rimosellus
Lactarius speciosus
Lactarius subplinthogalus
Lactarius subpurpureus
Lactarius subvellerus var. subdistans
Lactarius subvernalis var. cokeri
Lactarius volemus
Lactarius volemus var. flavus
Russula aciculocystis

Russula albida
Russula amoenolens
Russula compacta
Russula corallina
Russula crustosa
Russula dissimulans
Russula earlei
Russula fastigiata
Russula flavisiccans
Russula fragiloides
Russula fragrantissima
Russula granulata
Russula laurocerasi
Russula ochricompacta
Russula ochroleuroides
Russula ornaticeps
Russula polyphylla
Russula pseudopeckii
Russula redolens
Russula silvicola
Russula subtilis
Russula variata
Russula vinacea
Russula virescens

Stereaceae

Stereum complicatum
Stereum ostrea (including S. lobatum)
Xylobolus frustulatus

Thelephorales

Bankeraceae

Hydnellum aurantiacum
Hydnellum scrobiculatum
Hydnellum spongiosipes
Phellodon alboniger (Phellodon niger var. alboniger)
Phellodon confluens
Phellodon niger
Phellodon tomentosus
Sarcodon atroviridis
Sarcodon cristatus
Sarcodon scabrosus
Sarcodon underwoodii

Thelephoraceae

Thelephora fimbriata
Thelephora vialis
Tomentella

Tremellales

Exidiaceae
 Sebacina incrustans
 Tremellodendron pallidum
Tremellaceae
 Tremella reticulata

Kingdom Protozoa

Myxomycota

Liceales
 Reticulariaceae
 Lycogala epidendrum
Physarales
 Physaraceae
 Fuligo septica
Stemonitales
 Stemonitidaceae
 Stemonitis fusca
Trichiales
 Arcyriaceae
 Arcyria denudata
 Arcyria nutans
 Trichiaceae
 Hemitrichia calyculata
 Metatrachia vesparium