

# Voucher Report for the 2007 North American Mycological Association Foray

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THE 48TH ANNUAL North American Mycological Association foray was held at Pipestem Resort State Park, West Virginia, on August 16–19, 2007, organized by the NAMA foray committee. There have been two previous NAMA forays in West Virginia, in 1977 and 1985. Participants explored a dozen state parks and other preserves in southwestern West Virginia. The upland and bottomland forests were made of various combinations of white oak, red oak, white pine, hemlock, sugar maple, tulip poplar, rhododendron, beech, and hickory, with lesser occurrences of birch, blueberry, chestnut oak, scarlet oak, sycamore, Virginia pine, sourwood, and cedar.

The resulting species list has 326 taxa (species, varieties, and some identified only to genus) comprising 65 ascomycetes (16 lichens), 242 basidiomycetes, 1 chytridiomycetes, 2 zygomycetes, and 16 myxomycetes (slime molds). The most diverse genera were *Amanita* (22), *Russula* (20), *Lactarius* (14), *Boletus* (10), and *Hypomyces* (10). There are 367 voucher collections preserved from the foray. Identifications were made by 27 people at the foray: special thanks to Principal Mycologist William C. Roody, Walter E. Sturgeon, and John R. Plischke III, as well as Thomas J. Volk, Dorothy C. Smullen (lichens and others), Susan Hopkins, Donna Mitchell, Sang W. Park (myxomycetes), and the other mycologists. Several specimens were later determined by Patrick Leacock and Wyatt Gaswick at the Field Museum. Patrick offers much thanks to

Adele Mehta (recorder), NAMA sponsored graduate students Wyatt Gaswick, University of Illinois at Chicago, Matthew Kierle, University of Chicago, Andrew M. Minnis, Southern Illinois University. Also much thanks to Jerry Sheine for help with photography, and the other volunteers who gave of their time. Special thanks to Donna Mitchell for obtaining permits and compiling site information. Donna reports that six of these species are new state records for West Virginia.

We thank the board and trustees of NAMA for their continued support of the voucher program. Thanks also go to mycology volunteer Alice Pilar and our summer interns for processing specimens in the herbarium. The NAMA 2007 specimens are accessioned into the permanent herbarium collection at the Field Museum of Natural History (F).

Submitted by Patrick Leacock, NAMA Voucher Collection Project, this report and species list is posted at [www.lactarius.com/nama](http://www.lactarius.com/nama). Collection data and images of the voucher collections will be added to the NAMA Voucher Program website at [www.fieldmuseum.org/nama](http://www.fieldmuseum.org/nama). Please send additions and corrections to Patrick Leacock, [pleacock@fieldmuseum.org](mailto:pleacock@fieldmuseum.org).

This species list, prepared by the Voucher Program Committee, has 326 taxa; 27 persons made identifications. The taxonomic arrangement follows *The Dictionary of the Fungi*, 9th edi., with some classification updates.

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**Phylum**  
**Order**  
**Family**  
**Species**

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KINGDOM FUNGI

*Ascomycota*  
*Agyriales*  
*Icmadophilaceae*  
*Dibaeis baeomyces*  
*Boliniales*

- Boliniaceae*
  - Camarops petersii* (*Peridoxylon*)
- Chaetothyriales*
  - Herpotrichiellaceae*
    - Capronia* sp.
- Eurotiales*
  - Trichocomaceae*
    - Paecilomyces farinosus*
- Helotiales*
  - Dermateaceae*
    - Mollisia cinerea*
    - Tapesia fusca*
  - Geoglossaceae*
    - Trichoglossum hirsutum* var. *hirsutum*
  - Helotiaceae*
    - Chlorociboria aeruginascens*
    - Tatraea macrospora* (*Ciboria peckiana*)
  - Hyaloscyphaceae*
    - Lachnum virgineum* (*Dasyscyphus virgineus*)
  - Leotiaceae*
    - Leotia atrovirens*
  - Vibrisseaceae*
    - Vibrissea truncorum*
- Hypocreales*
  - Bionectriaceae*
    - Bionectria* cf. *compactiuscula*
    - Nectriopsis oropenoides*
    - Nectriopsis tremellicola* (*Hypomyces*)
  - Clavicipitaceae*
    - Cordyceps militaris*
    - Cordyceps ophioglossoides*
    - Cordyceps stylophora*
    - Cordyceps variabilis*
    - Polycephalomyces tomentosus*
  - Hypocreaceae*
    - Hypocrea chromosperma* \*
    - Hypocrea latizonata*
    - Hypomyces aurantius*
    - Hypomyces chrysospermus*
    - Hypomyces completus*
    - Hypomyces hyalinus*
    - Hypomyces lactifluorum*
    - Hypomyces luteovirens* (*Peckiella*)
    - Hypomyces macrosporus*
    - Trichoderma* cf. *harzianum*
  - Nectriaceae*
    - Nectria cinnabarina*
- Lecanorales*
  - Cladoniaceae*
    - Cladonia cristatella*
    - Cladonia furcata*
    - Cladonia ochrochlora*
  - Parmeliaceae*
    - Flavoparmelia caperata*

- Parmelia saxatilis*
- Parmotrema chinense*
- Punctelia rudecta*
- Tuckermannopsis americana*
- Usnea strigosa*
- Ramalinaceae*
- Ramalina americana*
- Mycocaliciales*
- Mycocaliciaceae*
- Phaeocalicium polyporaenum*
- Orbiliales*
- Orbiliaceae*
- Orbilium xanthostigma*
- Peltigerales*
- Peltigeraceae*
- Peltigera canina*
- Peltigera horizontalis*
- Pezizales*
- Helvellaceae*
- Helvella macropus*
- Pezizaceae*
- Peziza succosa*
- Pyronemataceae*
- Humaria hemisphaerica*
- Scutellinia erinaceus*
- Scutellinia scutellata*
- Sarcoscyphaceae*
- Sarcoscypha occidentalis*
- Sarcosomataceae*
- Galiella rufa*
- Pleosporales*
- Venturiaceae*
- Apiosporina morbosa*
- Venturia liriodendri*
- Rhytismatales*
- Cudoniaceae*
- Spathularia velutipes*
- Taphrinales*
- Taphrinaceae*
- Taphrina caerulescens*
- Umblicariales*
- Umblicariaceae*
- Umblicaria mammulata*
- Xylariales*
- Xylariaceae*
- Biscogniauxia mediterranea* var. *mediterranea* (*Hypoxylon mediterraneum*)
- Daldinia concentrica*
- Hypoxylon* cf. *rubiginosum*
- Xylaria* cf. *hypoxylon*
- Xylaria longipes*
- Xylaria polymorpha*
- Xylocoremium flabelliforme* (*Isaria flabelliformis*)

*Agaricales**Agaricaceae**Agaricus abruptibulbus**Agaricus silvicola**Bolbitiaceae**Conocybe lactea**Clavariaceae**Clavulinopsis aurantiocinnabarina**Clavulinopsis fusiformis**Cortinariaceae* *Cortinarius armillatus**Cortinarius corrugatus**Cortinarius iodes**Gymnopilus luteus**Gymnopilus sapineus**Inocybe dulcamara**inocybe lanatodisca**Inocybe rimosa* group*Inocybe sindonia**Inocybe unicolor* (*I. caesariata* sensu Amer. Auth.)*Entolomataceae**Nolanea conica**Fistulinaceae**Pseudofistulina radicata* (*Fistulina*)*Hydnangiaceae**Laccaria amethystina**Laccaria laccata**Laccaria ochropurpurea**Lycoperdaceae**Bovista pila**Lycoperdon echinatum* (*L. americanum*)*Lycoperdon nigrescens* (*L. foetidum*)*Lycoperdon perlatum**Lycoperdon pyriformis* (no longer *Morganella*)*Marasmiaceae**Armillaria tabescens**Cyptotrampa asprata**Marasmiellus opacus**Marasmiellus praeacutus* (det. as *Gymnopus praeacutus* RJV)*Marasmius fulvoferrugineus**Marasmius rotula**Marasmius siccus**Micromphale perforans**Omphalotus illudens**Rhodocollybia butyracea**Xerula megalospora**Xerula rubrobrunnescens**Nidulariaceae**Crucibulum laeve**Cyathus striatus**Pleurotaceae**Pleurotus dryinus**Pleurotus ostreatus**Pluteaceae**Amanita banningiana*

*Amanita bisporigera complex*  
*Amanita brunnescens var. brunnescens*  
*Amanita brunnescens var. pallida*  
*Amanita citrina*  
*Amanita cokeri*  
*Amanita cf. crocea (sensu American authors)*  
*Amanita daucipes*  
*Amanita farinosa*  
*Amanita flavoconia*  
*Amanita fulva*  
*Amanita pachysperma*  
*Amanita pantherina var. multisquamosa*  
*Amanita parvicolvata*  
*Amanita pseudoceciliae (A. ceciliae group)*  
*Amanita rhopalopus*  
*Amanita rubescens*  
*Amanita vaginata*  
*Amanita volvata*  
*Pluteus cervinus*  
*Pluteus flavofulgineus*  
*Pluteus longistriatus*  
*Pluteus salicinus*  
*Pluteus seticeps*

*Schizophyllaceae*

*Schizophyllum commune*

*Strophariaceae*

*Pholiota Squarrosoides*

*Stropharia hardii*

*Tricholomataceae*

*Ampulloclitocybe clavipes (Clitocybe)*

*Chrysomphalina strombodes (Gerronema)*

*Clitocybe gibba*

*Cystoderma amianthinum*

*Gymnopus confluens*

*Gymnopus dichrous*

*Gymnopus dryophilus*

*Gymnopus cf. semihirtipes*

*Gymnopus subnudus*

*Hygrocybe conica*

*Hygrocybe miniata*

*Hygrocybe pratensis (Camarophyllus)*

*Leucopholiota decorosa*

*Megacollybia platyphylla*

*Mycena leaiana*

*Panellus stipticus*

*Tricholomopsis rutilans*

*Xeromphalina campanella*

*Boletales*

*Boletaceae*

*Boletus auripes*

*Boletus auriporus*

*Boletus frostii*

*Boletus innixus*

*Boletus pallidus*

- Boletus parasiticus*
- Boletus pulverulentus*
- Boletus rufomaculatus*
- Boletus sensibilis*
- Boletus subglabripes*
- Bothia castanella*
- Leccinum albellum*
- Leccinum rotundifoliae*
- Phylloporus rhodoxanthus*
- Retiboletus griseus* (*Boletus*)
- Retiboletus ornatipes* (*Boletus*)
- Strobilomyces confusus*
- Strobilomyces floccopus*
- Tylopilus alboater*
- Tylopilus felleus*
- Tylopilus indecisis*
- Tylopilus sordidus* (*Porphyrellus*)
- Tylopilus violatinctus*
- Xanthoconium purpureum*
- Xanthoconium separans*
- Coniophoraceae
  - Pseudomerulius curtisii* (*Meiorganum*, *Paxillus*)
- Hygrophoropsidaceae
  - Hygrophoropsis aurantiaca*
- Paxillaceae
  - Paxillus atrotomentosus*
  - Paxillus involutus*
- Sclerodermataceae
  - Calostoma cinnabarina*
  - Calostoma lutescens*
  - Scleroderma areolatum*
  - Scleroderma cepa*
  - Scleroderma citrinum*
- Suillaceae
  - Suillus americanus*
  - Suillus spraguei* (*S. pictus*)
- Cantharellales
  - Cantharellaceae
    - Cantharellus lateritius*
    - Cantharellus minor*
  - Clavulinaceae
    - Clavulina cristata*
  - Hydnaceae
    - Hydnum repandum* var. *albidum*
    - Hydnum rufescens*
- Dacrymycetales
  - Dacrymycetaceae
    - Calocera cornea*
    - Dacrymyces palmatus*
    - Dacryopinax elegans*
    - Dacryopinax spathularia*
- Hymenochaetales
  - Hymenochaetaceae
    - Coltricia cinnamomea*

- Coltricia montagnei*
- Hydnochaete olivacea*
- Hymenochaete rubiginosa*
- Hymenochaete cf. sp.*
- Inonotus dryadeus*
- Inonotus dryophilus*
- Inonotus hispidus*
- Inonotus obliquus*
- Inonotus tomentosus*
- Phellinus everhartii*
- Phellinus gilvus*
- Phellinus punctatus*
- Phellinus rimosus*
- Phellinus robiniae*
- Schizoporaceae
  - Oxyporus populinus*
- Phallales
  - Geastraceae
    - Geastrum quadrifidum*
  - Gomphaceae
    - Gomphus floccosus*
  - Phallaceae
    - Mutinus elegans*
  - Ramariaceae
    - Ramaria cf. murrillii*
    - Ramaria stricta*
- Polyporales
  - Albatrellaceae
    - Albatrellus ovinus*
  - Fomitopsidaceae
    - Fomitopsis cajanderi*
    - Fomitopsis spraguei*
    - Parmastomyces mollissimus (P. transmucans)*
  - Ganodermataceae
    - Ganoderma applanatum* \*
    - Ganoderma lobatum*
    - Ganoderma tsugae*
  - Gloeophyllaceae
    - Gloeophyllum sepiarium*
  - Hapalopilaceae
    - Bjerkandera adusta*
    - Ceriporia spissa*
    - Hapalopilus croceus*
    - Hapalopilus nidulans*
  - Meruliaceae
    - Gloeoporus dichrous*
  - Polyporaceae
    - Cerrena unicolor*
    - Daedaleopsis confragosa*
    - Fomes fomentarius*
    - Laetiporus cincinnatus*
    - Laetiporus sulphureus*
    - Lentinus cf. suavissimus*
    - Lenzites elegans (Trametes elegans)*

- Oligoporus caesius*  
*Oligoporus fragilis* (*Postia fragilis*)  
*Perenniporia ohiensis*  
*Phaeolus schweinitzii*  
*Polyporus alveolaris*  
*Polyporus badius*  
*Polyporus brumalis*  
*Polyporus elegans*  
*Polyporus radicans*  
*Polyporus varius*  
*Trametes gibbosa*  
*Trametes hirsuta*  
*Trametes versicolor*  
*Trichaptum bifforme*  
*Tyromyces chioneus*
- Sparassidaceae*
- Sparassis herbstii*
- Steccherinaceae*
- Diplomitoporus cf. overholtsii*  
*Irpex lacteus*  
*Mycorrhaphium adustum*
- Russulales*
- Auriscalpiaceae*
- Artomyces pyxidatus*
- Bondarzewiaceae*
- Bondarzewia berkeleyi*  
*Heterobasidion annosum*
- Russulaceae*
- Lactarius chrysorrheus*  
*Lactarius croceus*  
*Lactarius deceptivus*  
*Lactarius gerardii*  
*Lactarius glaucescens*  
*Lactarius hygrophoroides*  
*Lactarius lignyotellus*  
*Lactarius peckii*  
*Lactarius piperatus*  
*Lactarius pyrogalus*  
*Lactarius sp.*  
*Lactarius subvellereus* var. *subdistans*  
*Lactarius volemus*  
*Russula amoenolens*  
*Russula ballouii*  
*Russula brevipes* var. *acrior*  
*Russula crustosa*  
*Russula cyanoxantha*  
*Russula dissimulans*  
*Russula earlei*  
*Russula eccentrica*  
*Russula cf. fragrantissima*  
*Russula granulata*  
*Russula laurocerasi*  
*Russula pallidocrustosa* (in press, B. Buyck & D.P. Lewis)  
*Russula parvovirescens* (*Mycologia* 98 (4): 613. 2006)



*Russula pectinatoides**Russula sp.**Russula subtilis**Russula variata**Russula virescens***Stereaceae***Aleurodiscus oakesii**Stereum complicatum**Stereum ostrea**Stereum striatum**Stereum subtomentosum**Xylobolus frustulatus***Thelephorales****Bankeraceae***Hydnellum scrobiculatum**Hydnellum spongiosipes**Phellodon melaleucus***Thelephoraceae***Thelephora anthocephala**Thelephora palmata**Thelephora vialis***Tremellales****Exidiaceae***Ductifera pululahuana (Exidia alba)**Sebacina incrustans**Tremellodendron pallidum***Tremellaceae***Tremella mesenterica (Hormomyces aurantiacus)***Uredinales****Pucciniaceae***Gymnosporangium juniperi-virginianae**Puccinia sp.***Chytridiomycota****Chytridiales****Synchytriaceae***Synchytrium decipiens***Zygomycota****Entomophthorales****Entomophthoraceae***Entomophthora cf. muscae***Mucorales****Mucoraceae***Syzygites megalocarpus***KINGDOM PROTOZOA****Myxomycota****Liceales****Reticulariaceae***Lycogala conicum \****Physarales****Physaraceae**

*Fuligo septica*

*Physarum nutans*

*Protosteliales*

*Ceratiomyxaceae*

*Ceratiomyxa fruticulosa*

*Stemonitales*

*Stemonitidaceae*

*Comatricha pulchella*

*Lamproderma arcyronema* (*Collaria arcyronema*)

*Stemonitis axifera*

*Stemonitis fusca*

*Stemonitis smithii*

*Stemonitis splendens*

*Trichiales*

*Arcyriaceae*

*Arcyria cinerea*

*Arcyria denudata*

*Arcyria incarnata*

*Arcyria nutans*

*Trichiaceae*

*Hemitrichia calyculata*

*Metatrichia vesparium*

\* 3 records do not have voucher specimens.