

Voucher Report for the 2008 North American Mycological Association Foray

THE 49TH ANNUAL North American Mycological Association foray, honoring Dr. Orson K. Miller, Jr., was held at Camp Pinewood, McCall, Idaho, on September 3–7, 2008, hosted by the Southern Idaho Mycological Association (SIMA). Idaho has seen five previous NAMA forays: four were up north at Priest Lake (1966, 1968, 1972, 1986), and one was just south of McCall at Donnelly in 1976. Participants explored many sites around McCall in the Payette National Forest. There was one trip to Boise National Forest, and a few to other locales. Site elevations ranged from 4000 to 6400 feet. The rugged glacier-carved mountains are part of the Idaho Batholith, the largest granitic body of rock in the United States. Basalt lava flows are found in the western portion. Habitats were mixed conifer forests of lodgepole pine, ponderosa pine, Douglas-fir, grand fir, and western larch, with aspen at some sites, and with Englemann spruce and subalpine fir at higher elevations.

The resulting species list has 266 taxa (species, varieties, and some identified only to genus) comprised of 55 ascomycetes (38 lichens), 210 basidiomycetes, and 1 myxomycetes (slime molds). The most diverse genera were *Cortinarius* (25), *Russula* (18), and *Suillus* (10). There are 251 voucher collections preserved from the foray. Identifications were made by 23 people at the foray: Principal Mycologist Cathy L. Cripps was kindly assisted by Vera Evenson, with special thanks to Roger Rosentreter (lichens), Joshua M. Birkebak (*Cortinarius* and others), Michael W. Beug (*Ramaria* and others), Thomas J. Volk, Steven L. Miller (*Russula*), Steven A. Trudell, and the other mycologists. Several specimens were later determined by Patrick Leacock and Wyatt Gaswick at The Field Museum.

Patrick offers much multi-tasking thanks to Adele Mehta (recorder), Wyatt Gaswick (voucher assistant), NAMA sponsored graduate students

Joshua M. Birkebak, University of Washington, and Jeffrey C. Cameron, George Washington University. Also much thanks to John Plischke and Noah Siegel for help with photography, and the other volunteers who gave of their time. Special thanks to SIMA members MaryLu Anderson, Bob Chehey, Linda Fleetwood, Susan Poland, Kathy Richmond, Susan Stacy, and Genny Steiner for room setup, computer, specimen labels, supplies, and running the bus forays. Heartfelt thanks to Hope Miller for supplying Orson's library and helping with mushroom dryers and shipping specimens to the museum.

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 2008 specimens are accessioned into the permanent herbarium collection at the Field Museum of Natural History (F).

Submitted by Patrick Leacock, NAMA Voucher Collection Project [pleacock@fieldmuseum.org]. This report and species list is posted at 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. Please send additions and corrections to Patrick Leacock, pleacock@fieldmuseum.org.

The 2008 North American Mycological Association Foray was hosted by the Southern Idaho Mycological Association (SIMA) and held at Camp Pinewood, McCall, Idaho, September 3–7, 2008. Principal Mycologist was Dr. Cathy Cripps. See www.namyc.org/events/mccall2008.html.

This species list, prepared by the Voucher Program Committee, has 266 taxa (species and varieties); 22 persons made identifications. The taxonomic arrangement follows *The Dictionary of the Fungi*, 9th ed., with some classification updates.

Phylum
Order
Family
Species

KINGDOM FUNG

Phylum
Order
Family
Species

Kingdom Fungi

Ascomycota

Agyriales (lichens in part)

Agyriaceae

Placynthiella oligotropa *

Placynthiella sp. *

Erysiphales

Erysiphaceae

Erysiphe polygoni

Erysiphe sordida (*Golovinomyces sordidus*)

Erysiphe trifolii

Podosphaera fusca

Podosphaera pannosa

Eurotiales

Elaphomycetaceae

Elaphomyces granulatus

Helotiales

Helotiaceae

Bisporella citrina

Hyaloscyphaceae

Lachnellula sp.

Hypocreales

Hypocreaceae

Hypomyces armeniacus

Lecanorales (lichens in part)

Cladoniaceae

Cladonia cariosa

Cladonia chlorophaea

Cladonia cornuta

Cladonia fimbriata *

Cladonia pyxidata

Cladonia sulphurina

Lecanoraceae

Lecanora sp.

Parmeliaceae

Alectoria sarmentosa subsp. sarmentosa

Bryoria fremontii

Bryoria fuscescens *

Bryoria pseudofuscescens

Hypogymnia imshaugii

Hypogymnia tubulosa

Kaernefeltia merrillii (*Cetraria*) *

Letharia columbiana *
Letharia vulpina
Melanohalea cf. multispora (Melanelia)
Nodobryoria abbreviata *
Parmelia saxatilis *
Parmelia sulcata
Parmeliopsis ambigua
Platismatia glauca
Tuckermannopsis chlorophylla (Cetraria)
Tuckermannopsis orbata (Cetraria)
Tuckermannopsis platyphylla (Cetraria) *
Usnea lapponica
Vulpicida canadensis (Cetraria) *

Peltigerales (lichens in part)

Collembataceae

Leptogium lichenoides *

Massalongiaceae

Massalongia carnosae *

Peltigeraceae

Peltigera britannica

Peltigera rufescens

Peltigera venosa

Placynthiaceae

Polychidium muscicola *

Pezizales

Discinaceae

Gyromitra infula

Pseudorhizina californica (Gyromitra)

Helvellaceae

Helvella crispa

Helvella lacunosa

Pezizaceae

Peziza cf. badia

Peziza repanda *

Pyronemataceae

Scutellinia kerguelensis

Taphrinales

Taphrinaceae

Taphrinaalni

Teloschistales (lichens in part)

Teloschistaceae

Caloplaca jungermanniae *

Xanthomendoza fulva (Xanthoria fulva)

Xanthoria polycarpa *

Basidiomycota

Agaricales

Agaricaceae

Agaricus albolutescens

Agaricus campestris var. campestris

Endoptychum depressum

Bolbitiaceae

Agrocybe pediades

Hebeloma crustuliniforme

Hebeloma mesophaeum

Hebeloma cf. sinapizans
Hebeloma subg. denudata
Panaeolus semiovatus var. semiovatus (Anellaria semiovata)

Coprinaceae

Coprinellus micaceus
Coprinus comatus

Cortinariaceae

Cortinarius cf. callochrous
Cortinarius cf. cinnabarinus group
Cortinarius cf. clandestinus
*Cortinarius cf. crassus **
Cortinarius croceus
Cortinarius cyanites
Cortinarius cylindripes (Cortinarius mucigenus)
Cortinarius cf. elegantior
Cortinarius flexipes complex (C. paleaceus)
Cortinarius cf. fulvo-ochrascens
Cortinarius cf. glaucopus
Cortinarius cf. laetus
Cortinarius cf. latus
*Cortinarius cf. lilacinopes **
Cortinarius cf. malachius
Cortinarius cf. malicorius
Cortinarius multififormis
Cortinarius cf. mutabilis
Cortinarius phoeniceus var. occidentalis
Cortinarius pseudosalor
Cortinarius cf. subbalteatus
Cortinarius tabularis group (C. decoloratus)
Cortinarius traganus
Cortinarius cf. variicolor
Cortinarius violaceus
Gymnopilus punctifolius
Inocybe calamistrata
Inocybe cf. geophylla
Inocybe geophylla var. lilacina
Inocybe lanuginosa group
Inocybe praetervisa
Inocybe rimosa group
Inocybe aff. sororia
Rozites caperatus
Thaxterogaster pingue

Entolomataceae

Clitopilus prunulus
Clitopilus cf. scyphoides (C. intermedius)

Hydnangiaceae

Laccaria nobilis group

Lycoperdaceae

Calbovista subsculpta
Lycoperdon curtisii (Vascellum)
Lycoperdon cf. foetidum
Lycoperdon molle
Lycoperdon perlatum
Lycoperdon cf. pratense (Vascellum)

- Lycoperdon pyriforme*
- Nidulariaceae**
- Crucibulum laeve*
Nidularia deformis
- Pleurotaceae**
- Pleurotus ostreatus*
- Pluteaceae**
- Amanita cf. amerimuscaria* (Tulloss & J. Geml. nom. prov.)
Amanita aprica
Amanita muscaria var. *alba* (*A. amerimuscaria* nom. prov.)
Amanita muscaria var. *formosa* (*A. amerimuscaria* nom. prov.)
Amanita muscaria var. *muscaria* (*A. amerimuscaria* nom. prov.)
Amanita aprica
Amanita cf. pachycolea
Amanita pantherina
Amanita vaginata group
Pluteus aff. pouzarianus *
- Strophariaceae**
- Hypholoma capnoides*
Hypholoma fasciculare
Pholiota aurivella group
Pholiota flammans
Pholiota lubrica
Pholiota populnea (*Pholiota destruens*)
Psilocybe coprophila
Stropharia ambigua
Stropharia hornemannii
- Tricholomataceae**
- Calocybe carnea*
Catathelasma ventricosum (*Catathelasma ventricosa*)
Chrysomphalina chrysophylla (*Gerronema*)
Clitocybe nebularis
Clitocybe odora var. *pacifica*
Cystoderma cf. granulosa (*Cystoderma granulorum*)
Gymnopus acervatus
Hemimycena lactea
Hygrocybe conica
Hygrophorus agathosmus
Hygrophorus chrysodon
Hygrophorus erubescens
Hygrophorus olivaceoalbus
Hygrophorus cf. pacificus
Hygrophorus pudorinus
Hygrophorus purpurascens
Leucopaxillus albissimus
Leucopaxillus gentianeus
Lyophyllum connatum
Lyophyllum decastes
Mycena adonis complex
Mycena pura
Tricholoma imbricatum
Tricholoma saponaceum var. *saponaceum*
Tricholoma vaccinum
Tricholoma virgatum group

Tricholomopsis rutilans
Xeromphalina caudicinalis

Boletales

Boletaceae

Boletus calopus
Boletus chrysenteron (Xerocomus)
Boletus edulis
Boletus rubripes
Boletus smithii
Boletus spadiceus (Xerocomus)
Chalciporus piperatus
Leccinum fibrillosum
Leccinum insigne

Gomphidiaceae

Chroogomphus pseudovinicolor
Chroogomphus vinicolor
Gomphidius glutinosus
Gomphidius subroseus

Paxillaceae

Paxillus atrotomentosus

Rhizopogonaceae

Rhizopogon cf. evadens

Suillaceae

Suillus albivelatus
Suillus brevipes
Suillus cavipes
Suillus flavidus (Suillus umbonatus)
Suillus grevillei
*Suillus lakei **
Suillus ochraceoroseus (Fuscoboletinus)
Suillus subolivaceus
Suillus tomentosus
Suillus viscidus (Fuscoboletinus aeruginascens)

Cantharellales

Cantharellaceae

Cantharellus cibarius var. roseocanus

Hydnaceae

Hydnum albidum
Hydnum repandum var. repandum
Hydnum umbilicatum

Dacrymycetales

Dacrymycetaceae

Dacrymyces palmatus s.l.

Hymenochaetales

Hymenochaetaceae

Coltricia cinnamomea
Coltricia perennis
*Inonotus tomentosus **
Phellinus cf. chrysoloma
Phellinus tremulae

Phallales

Gomphaceae

Clavariadelphus truncatus
Gomphus bonarii

- Gomphus floccosus*
- Ramariaceae*
 - Ramaria cystidiophora* var. *fabiolens*
 - Ramaria largentii*
 - Ramaria* cf. *rubricarnata*
 - Ramaria sandaracina* var. *sandaracina*
 - Ramaria testaceoflava*
 - Ramaria thiersii*
- Polyporales*
 - Albatrellaceae*
 - Albatrellus avellaneus*
 - Albatrellus ellisii*
 - Albatrellus flettii*
 - Albatrellus ovinus*
 - Jahnoporus hirtus*
 - Cystostereaceae*
 - Cystostereum murrainii*
 - Fomitopsidaceae*
 - Fomitopsis pinicola*
 - Gloeophyllaceae*
 - Gloeophyllum sepiarium*
 - Hapalopilaceae*
 - Climacocystis borealis*
 - Ischnoderma resinosum*
 - Hyphodermataceae*
 - Hyphoderma setigerum*
 - Hypochnicium polonense*
 - Polyporaceae*
 - Cryptoporus volvatus*
 - Neolentinus lepideus*
 - Oligoporus leucospongia*
 - Perenniporia subacida*
 - Phaeolus schweinitzii*
 - Polyporus badius*
 - Polyporus elegans*
 - Pycnoporellus alboluteus*
 - Trichaptum abietinum*
- Russulales*
 - Echinodontiaceae*
 - Echinodontium tinctorium*
 - Peniophoraceae*
 - Peniophora aurantiaca*
 - Russulaceae*
 - Lactarius circellatus* var. *borealis*
 - Lactarius* cf. *deterimus*
 - Lactarius hepaticus*
 - Lactarius* cf. *oculatus*
 - Lactarius* cf. *olympianus*
 - Lactarius repraesentaneus*
 - Lactarius rubrilacteus*
 - Lactarius rufus*
 - Lactarius scrobiculatus* group
 - Russula aeruginea*
 - Russula brevipes* var. *acrior*

Russula brevipes var. *brevipes*
Russula brunneola
Russula fragrantissima
Russula integra var. *integra*
Russula mustelina
Russula nigricans
Russula olivacea
Russula parazurea
Russula pelargonia
Russula sanguinea
Russula turci
Russula viridofusca
Russula xerampelina
Russula xerampelina var. *isabelliniceps*
Russula xerampelina var. *olivaceo-vinacea*
Russula xerampelina var. *rubra*

Stereaceae

Chaetoderma luna

Thelephorales

Bankeraceae

Hydnellum aurantiacum
Hydnellum caeruleum
Hydnellum regium
Hydnellum suaveolens
Sarcodon imbricatus
Sarcodon martioflavus (*Hydnum martioflavum*) *

Thelephoraceae

Polyozellus multiplex

Tremellales

Exidiaceae

Guepinia helvelloides (*Phlogiotis*)

Uredinales

Cronartiaceae

Cronartium cf. ribicola *

Pucciniastraceae

Pucciniastrum potentillae

Ustilaginales

Ustilaginaceae

Ustilago maydis *

KINGDOM PROTOZOA

Myxomycota

Physarales

Physaraceae

Fuligo septica

* 24 records do not have voucher specimens.