

Voucher Report for the 2017 North American Mycological Association Foray

Northwoods Foray

Cable, Wisconsin

September 7-10, 2017

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Summary

The 2017 annual foray was held September 7 - 10 at the Lakewoods Resort near Cable, Wisconsin. The foray was organized by Britt Bunyard (Fungi Magazine), Emily Stone (Cable Natural History Museum), and Chief Mycologist Patrick Leacock (Field Museum). Collecting areas included many areas of Chequamegon-Nicolet National Forest, as well as several state parks and natural areas.

Many thanks go to Adele Mehta, foray recorder, and the NAMA-sponsored voucher assistants: Christin Anderson (Univ. of Alaska, Fairbanks), Arian Farid (Univ. of South Florida), Louis Meike (Univ. of Minnesota), Stephen Russell (Purdue Univ., Indiana); and Bruch Reed (Ill. Myc. Assn.). Big thanks to Emily Stone and her foray team and all the volunteers who ran the collecting trips, specimen sorting, and display room. We thank the board and trustees of NAMA for their continued support of the voucher program. The NAMA specimens are accessioned into the permanent herbarium collection at the Field Museum of Natural History (F). The slime molds were sent to the Stephen Stevenson herbarium, University of Arkansas (UARK).

Molecular work is underway for many of the foray vouchers to generate DNA sequences. Stephen Russell led the work of obtaining tissue

samples during the foray from most of the vouchers. The DNA sequencing is carried out by Rytas Vilgalys and his students, Duke University.

This species list has 500 taxa (genus, species, and varieties), comprising 97 ascomycetes (36 lichens), 391 basidiomycetes, 1 zygomycete, and 11 myxomycetes. The most diverse genera were *Lactarius* & *Lactifluus* (26), *Cortinarius* (19), *Russula* (18), and *Amanita* (14+).

Identifications were made by 35 persons including Walter E. Sturgeon, R. Greg Thorn, Patrick R. Leacock, Diana G. Smith, La Monte Yarroll, N. Jay Justice, Dorothy C. Smullen (lichens), Thomas J. Volk, Anna Gerenday, Matthew P. Nelsen (lichens), and 25 others. There are 535 voucher collections preserved from the foray. Taxa with more than one voucher specimen are indicated "(2)". Five listed names do not have voucher specimens, marked with asterisk; some were not worth preserving or were lost.

These vouchers with images are available online at the Field Museum and MyCoPortal. They will be also posted on Mushroom Observer: http://mushroomobserver.org/observer/show_user/3534 Information about the Voucher Collection project can be found on the NAMA website: http://www.namyc.org/voucher_collection_project.php

Kingdom Fungi

Ascomycota

Aleuria aurantia
Amandinea cf. punctata
Apiosporina morbosa
Arthonia caesia
Arthonia cf. radiata
Ascocoryne sarcoides
Bisporella citrina
Bulgaria inquinans
Calicium trabinellum
Candelariella cf. xanthostigma *
Chlorenchocelia versiformis
Chlorociboria aeruginascens
Chlorociboria aeruginosa
Chromelosporium sp.
Cladonia coniocraea
Cladonia cristatella
Cladonia cf. fimbriata
Cladonia cf. gracilis subsp. turbinata
Cladonia cf. mitis
Cladonia rangiferina
Claviceps purpurea
Cordyceps militaris
Cudonia sp.
Daldinia cf. childiae
Diatrype stigma
Evernia mesomorpha
Flavoparmelia caperata
Flavopunctelia soledica
Geoglossum atropurpureum (2)
Graphis scripta s.l.
Gyromitra infula
Helvella costifera
Helvella crispa complex
Helvella macropus
Helvella sulcata
Holwaya mucida
Humaria hemisphaerica
Hymenoscyphus fructigenus
Hypogymnia physodes
Hypomyces cervinigenus
Hypomyces hyalinus
Hypomyces lateritius
Hypomyces luteovirens
Hypomyces ochraceus *
Hypoxyton fragiforme
Ionomidotis irregularis (3) (Neolecta)
Lecanora symmicta
Lecanora thysanophora
Leotia lubrica

Leotia viscosa
Lepraria aff. lobificans
Lobaria pulmonaria
Melanelixia subaurifera (Melanelia)
Microglossum fumosum
Microglossum olivaceum
Microglossum rufum
Myelochroa aurulenta
Myelochroa galbina
Neobulgaria pura
Neocudoniella radiceola
Otidea alutacea
Otidea grandis
Otidea onotica
Parmelia sulcata
Peltigera aff.
Peltigera canina
Peziza sp.
Peziza ostracoderma
Peziza phyllogena
Peziza repanda
Peziza varia
Phaeocalicium polyporaum
Phaeohelotium epiphyllum
Phaeophyscia rubropulchra
Physcia aipolia
Physcia millegrana
Physconia cf. leucoleiptes
Punctelia rudecta
Ramalina americana group
Scutellinia sp.
Scutellinia erinaceus
Scutellinia pennsylvanica
Scutellinia scutellata
Scutellinia setosa *
Spadicoides clavariarum (Diplococcium)
Spathularia flavida
Tatraea macrospora
Tolypocladium capitatum (Cordyceps)
Tolypocladium ophioglossoides (2) (Elaphocordyceps)
Trichoglossum walteri
Tuber cf.
Usnea filipendula
Usnea hirta
Xanthoria fallax
Xylaria cornu-damae
Xylaria longipes (3)
Xylaria polymorpha

Basidiomycota

Agaricus cf. macrosporus
Alloclavaria purpurea
Amanita sp. (3)
Amanita amerifulva nom. prov. Tulloss (2)
Amanita bisporigera complex
Amanita brunnescens
Amanita flavoconia
Amanita frostiana
Amanita lavendula
Amanita muscaria var. guessowii
Amanita porphyria
Amanita section Vaginatae
Amanita sinicoflava
Amanita sp-WI01 Tulloss
Amanita suballiacea
Amanita variicolor nom. prov. Lamoureux
Ampulloclitocybe clavipes
Armillaria gallica
Armillaria mellea
Armillaria sinapina
Armillaria solidipes
Arrhenia epichysium (2)
Artomyces pyxidatus
Asterophora lycoperdoides
Astraeus smithii
Auriscalpium vulgare
Austroboletus gracilis
Austroboletus gracilis var. flavipes
Baeospora myosura
Baeospora myriadophylla
Bjerkandera adusta
Bolbitius titubans var. titubans (B. vitellinus)
Boletellus projectellus
Boletellus russellii *
Boletus cf. bicolor
Boletus cf. chippewaensis
Boletus edulis group (3)
Boletus pallidus
Boletus subcaerulescens
Boletus subtomentosus
Boletus subvelutipes
Boletus variipes
Bovista pusilla (Lycoperdon)
Calvatia craniiformis
Calvatia fragilis
Cantharellula umbonata (2)
Cantharellus sp. (2)
Cantharellus cinnabarinus
Cantharellus enelensis
Cerioporus varius (Polyporus)

Cerrena unicolor
Chalciporus piperatoides
Chalciporus piperatus
Chondrostereum purpureum
Clavaria fragilis (2) (C. vermicularis)
Clavaria fumosa
Clavaria rubicundula (2)
Clavaria zollingeri (2)
Clavariadelphus americanus
Clavariadelphus pistillaris
Clavulina cinerea
Clavulina cristata
Clavulina rugosa
Clavulinopsis corniculata
Clavulinopsis fusiformis
Climacodon septentrionalis
Clitocella mundula (Clitocybe)
Clitocybe irina
Clitocybe robusta
Clitocybe subconnexa (Lepista)
Clitocybula abundans
Clitocybula familia (2)
Clitopilus prunulus
Collybia cirrhata
Collybia cookei
Collybia tuberosa
Coltricia cinnamomea
Coltricia perennis
Conocybe apala (C. lactea)
Coprinellus micaceus complex
Coprinopsis atramentaria
Cortinarius armillatus
Cortinarius balteatocumatilis
Cortinarius bolaris
Cortinarius camphoratus
Cortinarius caperatus
Cortinarius collinitus
Cortinarius corrugatus
Cortinarius distans
Cortinarius flexipes
Cortinarius huronensis
Cortinarius iodes
Cortinarius laniger group
Cortinarius mucosus
Cortinarius scaurus
Cortinarius semisanguineus
Cortinarius squamulosus
Cortinarius torvus
Cortinarius traganus
Cortinarius trivialis
Craterellus fallax
Craterellus ignicolor
Craterellus tubaeformis (2)

Crepidotus sp.
Crepidotus crocophyllus
Crepidotus fusisporus
Crepidotus cf. mollis
Crinipellis zonata
Cuphophyllus pratensis
Cuphophyllus virgineus (2)
Cystoderma amianthinum
Cystoderma granosum
Dacrymyces chrysospermus
Daedalea quercina
Daedaleopsis septentrionalis
Entoloma sp. (Leptonia)
Entoloma abortivum
Entoloma griseum
Entoloma luteum
Entoloma murrayi (Inocephalus)
Entoloma quadratum
Entoloma sericeum
Flammulaster sp.
Flammulina velutipes
Fomes fomentarius
Fomitiporia bakeri (Phellinus)
Fomitiporia punctata (Phellinus)
Fomitopsis betulina (Piptoporus)
Fomitopsis cajanderi
Fomitopsis pinicola
Fuscoporia gilva (Phellinus)
Galerina marginata
Ganoderma applanatum
Ganoderma tsugae
Geastrum saccatum
Gliophorus irrigatus
Gliophorus laetus (2)
Gliophorus perplexus
Gliophorus psittacinus
Gloeophyllum sepiarium
Gloeoporus dichrous
Gloioxanthomyces nitidus
Grifola frondosa
Gymnopilus luteus
Gymnopilus sapineus
Gymnopus confluens
Gymnopus dryophilus
Gymnopus subnudus
Gyroporus castaneus
Gyroporus cyanescens var. violaceotinctus
Hapalopilus nidulans
Harrya chromapes
Hebeloma sp.
Hebeloma incarnatum (2)
Hemistropharia albocrenulata
Hericium americanum

Hericium coralloides
Hohenbuehelia mastrucata
Hohenbuehelia niger
Humidicutis marginata var. marginata
Hydnellum aurantiacum
Hydnellum caeruleum
Hydnellum ferrugineum
Hydnellum scrobiculatum
Hydnellum spongiosipes
Hydnochaete olivacea
Hydnum sp.
Hydnum repandum (2)
Hygrocybe cf.
Hygrocybe cantharellus
Hygrocybe chlorophana
Hygrocybe conica
Hygrocybe flavescens
Hygrocybe parvula
Hygrocybe punicea
Hygrophoropsis aurantiaca
Hygrophorus eburneus
Hygrophorus glutinosus
Hygrophorus pudorinus
Hygrophorus russula
Hygrophorus tennesseensis
Hymenochaete tabacina
Hymenopellis furfuracea
Hymenopellis limonispora
Hymenopellis rubrobrunnescens
Hypholoma capnoides
Hypholoma lateritium
Hypsizygus marmoreus
Imleria badia (Boletus)
Inocybe sp. (2)
Inocybe geophylla
Inocybe lilacina
Inocybe aff. sororia
Inonotus glomeratus
Inonotus obliquus
Ischnoderma resinosum
Laccaria sp.
Laccaria amethysteo-occidentalis (2)
Laccaria amethystina (2)
Laccaria bicolor
Laccaria laccata
Laccaria longipes
Laccaria nobilis
Laccaria ochropurpurea
Laccaria cf. proxima
Laccaria striatula (2)
Lactarius sp.
Lactarius affinis
Lactarius argillaceifolius

Lactarius camphoratus
 Lactarius cf. chelidonium
 Lactarius deceptivus
 Lactarius deterrimus (2)
 Lactarius glyciosmus
 Lactarius helvus (L. aquifluus)
 Lactarius hibbardae
 Lactarius indigo
 Lactarius lignyotellus
 Lactarius lignyotus
 Lactarius lignyotus var. marginatus
 Lactarius mucidus
 Lactarius cf. oculatus
 Lactarius pseudomucidus
 Lactarius pubescens
 Lactarius pyrogalus
 Lactarius sordidus
 Lactarius thynos
 Lactarius torminosus
 Lactarius uvidus
 Lactarius vinaceorufescens
 Lactifluus glaucescens
 Lactifluus subvellereus
 Laetiporus huroniensis
 Laetiporus sulphureus
 Leccinellum albellum (Leccinum)
 Leccinum aurantiacum
 Leccinum holopus
 Leccinum insigne group
 Leccinum scabrum
 Leccinum subglabripes (Boletus)
 Leccinum variicolor
 Lentinellus cochleatus
 Lentinellus micheneri
 Lentinellus ursinus
 Lentinus arcularius (Polyporus)
 Lentinus brumalis (Polyporus)
 Lepiota aff. clypeolaria
 Lepista nuda (2) (Clitocybe)
 Leucocybe connata (Clitocybe)
 Leucogloea compressa (Pleurocolla)
 Leucopaxillus albissimus
 Leucopholiota decorosa
 Limacella illinita
 Lycoperdon curtisii (Vascellum)
 Lycoperdon marginatum (2)
 Lycoperdon perlatum
 Lycoperdon pyriforme
 Lyophyllum decastes
 Marasmius capillaris
 Marasmius cohaerens
 Marasmius epiphyllus
 Marasmius rotula

Marasmius strictipes *
 Marchandiomyces corallinus
 Merulius tremellosus (Phlebia)
 Multiclavula mucida
 Mycena inclinata
 Mycena leaiana
 Neoalbatrellus caeruleoporus (Albatrellus)
 Neofavolus alveolaris (Polyporus)
 Nigroporus vinosus
 Ossicaulis lignatilis
 Oxyporus populinus
 Panellus stipticus
 Paxillus involutus
 Perenniporia sp.
 Phaeolus schweinitzii
 Phaeotremella foliacea s.l. (Tremella)
 Phellodon melaleucus (P. alboniger)
 Phlebia acerina
 Phlebia radiata
 Phlebiopsis crassa
 Pholiota alnicola
 Pholiota aurivella
 Pholiota flammans
 Pholiota malicola
 Pholiota squarrosoides
 Phyllotopsis nidulans
 Picipes badius (Polyporus)
 Pleurocybella porrigens
 Pleurotus dryinus
 Pleurotus levis (Lentinus)
 Pleurotus ostreatus
 Pleurotus pulmonarius
 Plicaturopsis crispa (2)
 Pluteus admirabilis
 Pluteus cervinus
 Pluteus chrysophaeus
 Pluteus flavofuliginus
 Pluteus granularis
 Porodaedalea pini (Phellinus)
 Porphyrellus porphyrosporus
 Postia caesia, likely Postia livens
 Postia ptychogaster
 Postia stiptica
 Protostropharia sp.
 Psathyrella conissans (3)
 Pseudoclitocybe cyathiformis (2)
 Pseudohydnum gelatinosum
 Pseudomerulius curtisii
 Punctularia strigosozonata *
 Ramaria botrytis
 Ramaria formosa
 Ramaria cf. rubrievanescens
 Ramaria stricta

Ramariopsis kunzei
Retiboletus ornatipes
Rhodocollybia maculata
Rhodocollybia maculata var. scorzonerea
Rhodocybe cf.
Rickenella fibula
Russula sp.
Russula cf. adulterina
Russula cf. adusta
Russula aeruginea
Russula betularum
Russula brevipes
Russula claroflava
Russula cyanoxantha
Russula decolorans
Russula cf. fucosa
Russula fulvescens
Russula gracilis
Russula laurocerasi
Russula mariae
Russula paludosa
Russula cf. parvovirescens
Russula aff. silvicola
Russula variata
Sarcodon sp.
Sarcomyxa serotina (Panellus)
Schizophyllum commune
Scleroderma sp.
Scleroderma cepa
Scleroderma citrinum (2)
Scleroderma septentrionale
Sebacina pallida (Tremellodendron)
Singerocybe adirondackensis
Sistotrema confluens
Spongipellis sp.
Stereum gausapatum
Stereum subtomentosum (2)
Suillus acidus
Suillus albidipes
Suillus americanus
Suillus cavipes
Suillus granulatus (S. weaverae)
Suillus grevillei
Suillus neoalbidipes
Suillus punctipes
Suillus spraguei
Suillus subaureus [MIN]
Tapinella atrotomentosa
Tapinella panuoides
Thelephora terrestris
Thelephora vialis
Trametes betulina
Trametes cinnabarina

Trametes gibbosa (2)
Trametes hirsuta
Trametes cf. ochracea
Trametes cf. pubescens
Trametes versicolor
Tremella mesenterica
Trichaptum abietinum
Trichaptum biforme
Tricholoma sp.
Tricholoma caligatum
Tricholoma equestre
Tricholoma saponaceum
Tricholoma cf. sejunctum
Tricholoma sulphureum
Tricholoma ustale
Tricholomopsis decora
Tricholomopsis rutilans
Turbinellus floccosus
Tylopilus felleus
Tyromyces chioneus
Xanthoconium affine
Xeromphalina campanella
Xeromphalina kauffmanii
unknown coral, near Clavulinopsis

Zygomycota

Syzygites megalocarpus

Kingdom Protozoa

Amoebozoa

Fuligo candida
Fuligo luteonitens
Fuligo septica
Hemitrichia clavata
Lycogala epidendrum
Lycogala terrestre
Stemonitis fusca
Stemonitis splendens
Trichia favoginea
Tubifera ferruginosa
Tubulifera sp.