

# Citizen Science Contributions to Professional Mycology

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## Summary

Aided by funding for ITS barcode sequencing from The Mycological Society of America & The North American Mycological Association, The North American Mycoflora Project (NAMP) and collaborating citizen science projects (The 2019 MycoBlitz, North American Mycological Association, Newfoundland & Labrador Foray, Circles de Mycologues Amateurs de Québec) have contributed to professional mycology via:

- Discovery of new species
- Collection and sequencing of rare species
- Resurrection of American species that had been synonymized with European species
- Range expansions documenting distribution limits of fungi subjected to climate change



## Discovery of new species



*Inocephalus* sp. in Hawaii, by Jeff Stallman (NAMP)



*Russula* aff. *favrei* in NY by Sigrid Jacob & in IN by Steve Russell (NAMP)

## Rare species



*Lachnum halesiae* near type locality in GA by Bill Sheehan (NAMP)

## Resurrected North American species



*Calvatia lilacina*. in CA ≠ *C. cyathiformis* by Joanne Schwartz (NAMP)



*Bolbitius variicolor*. in CA ≠ *B. titubans* by Joanne Schwartz (NAMP)



*Agaricus lilacifolius*. in Eastern N. Am. ≠ *Chromosera cyanophylla* by Django Grootmyers & Paul Wasilwewski, (NAMP)



*Amanita* aff. *vaginata* in PA by Garrett Taylor (NAMP)



*Gliophorus* sp. in WA by Steve Ness (NAMP)

## Range expansions



*Yuchengia narymica* in NW GA by Bill Sheehan (NAMP) & Black Mtn. W. NC (NAMA), in IN by Steve Russell (NAMP). Described from Siberia, previously known only from boreal & north temperate forests.



1<sup>st</sup> record of *Pluteus* in Hawaii by Jeff Stallman (NAMP)

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*Hygrocybe phaeococcinea* by Jen & Eric Chandler in WA (2019 MycoBlitz<sup>1</sup>, & Canada by Renée Lebeuf (Circles de Mycologues Amateurs de Québec) & Andrus Voitk (Newfoundland Foray Newfoundland & Labrador)

