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FINDINGS AFIELD



Photo©Roger Eklund

2019 was the year for Entolomas, with marvelous species such as *Entoloma luridum*, *Leptonia cuboidum*, *Leptonia lividocyanula*, and *Nolanea myceniformis* collected for the first time. But these were overshadowed by the extremely rare *Calliderma indigoferum* collected during the Southaven County Park foray of Sept. 14 by Roger Eklund, who has an enviable knack of discovering rarities.

Originally described by J.B. Ellis in 1876 in the Bulletin of the Torrey Botanical Club in his article "New Fungi found at New Field, New Jersey" (now Newfield) it was then christened *Agaricus indigoferus*. It was found "among moss in the swamp. August."

In 1887 Saccardo transferred it to *Entoloma* in the Sylloge Fungorum 5:688. Then in 1994 Largent published "Entolomoid fungi of the Western United States and Alaska" wherein he erected the genus *Calliderma*, and reclassified it as a new

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THE SEASON'S BOUNTY

In contrast to the beneficence of 2018's prodigious rainfall on Long Island, at 68.5" the second highest in 70 years, 2019 produced 52", slightly above the average of 49". Moreover, the crucial months of July through September yielded a total of 5.95" compared to an expected 11.5". This resulted in poor harvests, not only here, but throughout most of the Mid-Atlantic, based on scattered reports from various mycology groups.



MUSHROOM DAY OCT. 13

However, Spring rains were ample, allowing us to hold two forays for Spring Oysters, *Pleurotus populinus*, as well as to collect some *Morchella angusticeps*, the Black Morel, a rare occurrence in recent years.

Despite the reduced rainfall, we were nevertheless able to collect 32 species new to our checklist, which are listed on page 3, and now amounts to a total of 1,088. Some of these are rare, of limited distribution, or both. For example., *Inocybe melleiconica*, *Tricholoma arvernense*, *Boletus billieae* and *Calliderma indigofera*, for which see "Findings Afield" on page 1. *Inocybe melleiconica* has been collected only in Nova Scotia, *Tricholoma arvernense* is primarily European and *Boletus billieae* only in Cape Cod, and more recently in N.J. and Staten Island. Confirmation via DNA sequencing is scheduled.

Of a total of 21 scheduled forays, 8 had to be cancelled due to

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PRESIDENT'S MESSAGE

Important-Please Read Carefully

Our Board meeting this year was via email exchange due to the Corona Virus. The following changes have been unanimously adopted:

1) All forays for 2020 are postponed indefinitely until danger of this virus is officially gone. (We cannot take any chances with people's health. Social distancing is not possible when we foray.) Members are encouraged to search on their own and post photos to LIMC's Facebook page.*

2) The Spring Newsletter will go out electronically and subsequent editions suspended until forays resume. If some mycological development of interest arises, we

will email our members.

3) We are eliminating one time foray visits by non-members except if they come as a guest of a member. (Two guest visits per member.)

4) All up-to-date memberships will be extended to December 31, 2021 at no cost.

Any questions or comments please get in touch.

I won't see you along the trail for quite awhile! Please stay out of trouble and be careful.

* "Mushrooms of Long Island LIMC official FB page" can only be accessed by members. It is a private group by invitation only. For an invite, contact Maria Saffioti at:

msotolongo@optonline.net

EDITOR'S NOTE

This issue is being distributed electronically only, so as to minimize contact during this ongoing coronavirus pandemic. Inasmuch as all LIMC forays are indefinitely cancelled, no foray schedule is being distributed at this time, although an updated species list will accompany this electronic newsletter. The latter does have the advantage of being in full color. Furthermore, newsletter publication will be held in abeyance until forays resume, which we hope will be sooner rather than later. An updated membership list will be posted to our website in the near future. We cannot predict when a 2020 foray schedule will be published, but it will be electronically distributed as

well as posted on our website in the member's only section, and the new password will be emailed to all paid-up members.

We have been somewhat optimistic in listing all the regional and national forays in this newsletter, since they mostly take place in Autumn, by which time we think the situation might be alleviated. Meanwhile, if you do go out foraging on your own, do so with care and maintain social distancing. All NYS parks are not collecting fees, and we have noticed that they, along with other woodlands, are receiving more visits than ever, so be careful out there, and stay safe.



DATE OF NEXT EDITION UNCERTAIN, BUT SUBMISSIONS WELCOME.

(Submissions may be forwarded by email in any format or typed.)

LI Sporeprint is published quarterly. Material herein may be freely copied by any non-profit organization if appropriate acknowledgements are made and a copy supplied to the editor. (All unsigned articles authored by editor.)

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NEW SPECIES 2020

NEW SPECIES 2020 **Collector**
(If other than editor)

- Agaricus vinosobrunneofumidus Jacques
- Amanita cattaraugana Jacques
- Boletus billeae
- Botryobasidium simile
- Calliderma indigofera Roger
- Climacodon pulcherrimus Peggy
- Coprinus scobicola Peggy
- Cortinarius infractus Alexandra Grzesik
- Cronartium fusiforme
- Dennisiodiscus frasinus Anthony Sama
- Enteridium lycoperdon Hailey Lynch
- Entoloma luridum Peggy
- Galerina cerina
- Gymnopilus fulgens
- Inocybe melleiconica dna pending
- Inocybe tomentosa dna pending
- Laxitextum bicolor
- Leptonia cuboidum
- Leptonia lividocyanula
- Melanoleuca microspora
- Mollisia cinerea Anthony Sama
- Mycena subsupina
- Nolanea myceniformis Dan Migliorino
- Phlebiopsis gigantea
- Ramaria xanthosperma
- Rhodocollybia prolixa var. distorta Sal Saffioti
- Russula adusta Haylee Grote
- Trametes gibbosa
- Trametes lactinea Andy Greller
- Trichia decipiens
- Tricholoma arvernense
- Tricholoma odorum



Coprinus scobicola



Entoloma luridum



Dennisiodiscus frasinus



Galerina cerina



Laxitextum bicolor



Cortinarius infractus



Rhodocollybia prolixa var. distorta

THE SEASON'S BOUNTY (Continued from page 1)

a lack of fruiting, but 3 were added as Flash Forays, for a total of 16 as compared to 18 in 2018. Above normal Spring rain produced several new cup fungi and slime molds. Heckscher S.P. was remarkably productive, allowing us to hold an unprecedented 3 forays there in July and August, with species counts as high as 69. Southaven County Park came through for us as well with 68 species on our Picnic Day of Sept. 14, despite the pitiful amount of July/Sept. rainfall. Perhaps due to the fact that “a river runs through it”.

The rains returned in October, not early enough to preventing us from having to cancel our traditional pre-Mushroom Day foray at Edgewood. But with our members venturing out and collecting on their own, we had a successful Mushroom Day

exhibition at Planting Fields Arboretum. By later that month, conditions improved and we had good results at Cranberry Bog, which we visited twice, and later at Peconic Hills. For the first time, we were able to hold the Dom Laudato Memorial Walk at the Sarnoff Preserve, although there was some competition from local foragers. With reason; it can be a highly productive spot for *Leccinum* and *Tricholoma*.

Although we normally end the season with the Welwyn foray, thanks to Roger and Maria we learned that Edgewood had sprung to life, and a Flash Foray was held on the late date of Nov.23, which over 30 members showed up for. There were enough edibles of various species of *Tricholoma* and *Hygrophorus* for all. Whether this pattern of late blooming, which has also been exhibited elsewhere, will persist, remains to be seen.



FINDINGS AFIELD (Continued from page 1)

combination: *Calliderma indigoferum* (Ellis) Largent. (Sometimes spelled *C. indigofera*.)

To illustrate the extreme rarity of this species, one has only to search the records of Mycoportal, which is a compendium of all the fungal specimens present in the Herbaria/Fungaria of the United States. While some species have hundreds of records from many sites, *Calliderma indigoferum* has only 14 records, all from New Jersey, and all but one collected from the years 1876–1879. The one exception was collected (also in New Jersey) on July 27, 2013 by Prof. Timothy J. Baroni, the foremost American expert in the family Entolomataceae. A photograph of his find may be found on page 237 of his “Mushrooms of the



C. indigoferum en situ

Northeastern US and Eastern Canada.

When we contacted Dr. Baroni, he reviewed our data, including photos, description and microscopic data and verified our initial identification, and will examine the portion of the collection which we have sent him for complete certainty.

This is the first collection for NY and the only one found outside the New Jersey Pine Barrens, but in a similar pine habitat. As Dr. Baroni notes, this species has the aspect of a *Russula*, at least until its gills start to turn pink. Its distinguishing aspect is the wrinkling or puckering of the cap skin, due to the hymeniform cellular structure of inflated erect variously shaped cells. The spores are angular, 5-6 sided, 7-8 X 6.5-7.5. As its epithet implies, it is a deep indigo blue when young, fading to violet blue. The stipe is pale blue, splitting easily.

Our collection will be accessioned at the NYBG fungarium with Roger Eklund as collector, and will be proudly added to our LIMC species checklist.



WELCOME, NEW MEMBERS!

RODNEY RONCAGLIO

TERESA & ROBERT JEZEWSKI

SARA SCRIVANO

JOULIA STOLIAROVA

SAM SCHNEIDER

ERIN & JOHN GARLAND

LIZ DONROE

MICHAEL VACCARIELLO

HAILEY LYNCH

MARGARET & CHRISTIAN BARTIK

BRENT GINGRICH

BRIAN FRANK

LINDA & JERRY LATTER

EMMA TURNER

WENDY & WARREN ROSS

From our Members & the Public...

Autumn's Harvest



January thaw Oysters
by Tony Mish



Is that a Chicken? from non-member



Sand Laccarias by Andy Greller



Armillaria gallica by
Andrea Rosen



Bondarzewia berkeleyi-mistaken
for *Grifola* by a non-member



Horse Mushrooms by Anthony Mish
(now *Agaricus crocodilinus*)



Hunter & vanquished prey
by Ben & Wendy Otruba

WANTED!....BE ON THE LOOKOUT FOR:....

Gyroporus borealis, a newly described* species, said to occur in the Northeast, (Ohio and Vermont) and is a member of the *Gyroporus castaneus* group. In appearance it differs from *G. castaneus* by its richer orange to reddish coloration. Its spores are slightly larger than the latter species, about 9-12 X 5-6, and it has ventricose cheilocystidia, also differing from it. I believe we may have been collecting it but mistaking it for *G. borealis*. In the event you suspect that you encounter it in the future, please collect it and send the editor a photo.



To complicate things further, another new species, *G. smithii* is described from Florida & Michigan, and is "likely often mistaken for *G. borealis*". No doubt it will be more widely distributed. It is yellow-orange to orange but not as darkly colored as *G. borealis* and with smaller spores and with both cheilo and pleurocystidia. Neither taste nor chemical reactions are recorded. Telling these apart will be far from a trivial task!

*Diversity of *Gyroporus* (*Gyroporaceae*, *Boletales*): *rpb2* phylogeny and three new species, Naveed Davoodian et al. *Phytotaxa* 434 (3) 2020



**Gary Lincoff Memorial Mushroom Foray
September 12, 2020 North Park, Pennsylvania**

The Western Pennsylvania Mushroom Club will hold the Memorial 19th Annual Gary Lincoff Mushroom Foray. This one-day event takes place in the Rose Barn, Pearce Mill Rd., in North Park, McCandless Township. Driving instructions are on the website. On Saturday activities include walks, presentations, auction, sales, table walk, and a mushroom feast. Guest mycologists Michael Kuo, of Mushroom Expert website reknown, and others. The \$55 fee for non-members includes 2020 & 2021 membership but does not include lodging, for which you must make your own arrangements

Details and prices will shortly be posted on the club website: <http://wpamushroomclub.org/lincoff-foray/> For more information, contact the Foray Chair, Fluff Berger: 724-601-8382
Lincoff-Foray@wpamushroomclub.org

**2020 NEMF
44th Annual Samuel Ristich Foray
Sept. 11– 14 Joliette, Quebec**

Accommodations are in the Hotel Chateau Joliette (46 miles from Montreal, on the north shore of the St. Lawrence River). About 400 miles (6 hours) from Nassau county. Maximum number of participants: 180

Details are promised to be posted April 1, 2020 on the CMM (Cercle des Mycologues de Montreal): They report that they are monitoring the Covid-19 situation but no cancellation is presently in effect. Check for updates at:

<https://mycomontreal.qc.ca/>

Also check:

<https://www.nemf.org/2020/01/10/nemf-2020->

**2020 NAMA REGIONAL FORAY
Oct. 8-11 Potosi, MO**

No details are available on the NAMA website at this time. Registration is expected to open sometime in May.

<http://www.namyco.org/>

**2020 Northwoods Foray
Sept. 10-13
Lakewood Resort, Cable, WI**

This foray is free and open to all. Lodging and meals available at the resort at a discount for all attendees. (For reservations call 800-255-5937.) Foray maps and directions will be provided to foray on your own. Identifications in the display room.

Details at: <http://www.mycoguide.com/northwoods/>

Questions email Britt Bunyard (editor of Fungi mag.) fungimag@gmail.com

**2020 WV Mushroom Club Annual Foray
August 21-22
Blackwater Falls State Park
Davis, WV**

The previous year's agenda included over 10 hikes, three days of presentations, ending with a Sunday morning mushroom hunt, myco medicine workshop, and table talk. Accommodations are not provided but discounted rates are available at nearby motels. Classes and socials were individually priced. 2019 mycologists included Alan & Arleen Bessette, Walt Sturgeon and John Plischke.

For updated information access their website:

<https://www.wvmushroomclub.net>

**2020 Annual Wildacres Regional Foray
Sept 24–27, Wildacres, N. Carolina**

Held at Wildacres Retreat, a conference center on 1600 acres in the Blue Ridge Mountains, the foray is limited to 40 NAMA members. Priced at \$265 per person, double occupancy (no single rooms) for food and (3 nights) lodging. Chief Mycologist is Dr Andrew Methven, Univ. of Tenn.

Registration is now open. Early registration is advised. An application form may be downloaded by accessing https://www.namyco.org/wildacres_foray.php

For more information and to register, contact Glenda O'Neal by email glendakoneal@yahoo.com or by phone at 423-863-2742.

GLEANINGS.. from the research literature

- **LECCINUM REVISED:** A major revision of leccinoid fungi (boletes with scabers on the stipe) has been carried out using both extensive DNA and morphological scrutiny of 270 voucher specimens. Five major clades (groups with one common ancestor) were obtained and the results conservatively interpreted, with a broadly circumscribed genus *Leccinum*, which incorporated *Leccinellum* and several sequestrate genera. Our Long Island checklist is affected only by the need to refer to *Boletus hortonii* as ***Hemileccinum hortonii***, *Boletus rubropunctus* as ***Hemileccinum rubropunctum***, and *Boletus longicurvipes* as ***Leccinum longicurvipes***. (*Revision of leccinoid fungi, with emphasis on North American taxa, based on molecular and morphological data. M. Kuo & B. Ortiz-Santana. Mycologia Vol. 112, 2020, Issue 1.*)
- **EDIBLE “POISON PIE”?** A newly described species of *Hebeloma*, *H. parvisporum* is described from Laos, where it is sold in the markets of Xieng Khouang as “wai khom” referring to its bitter taste. It belongs to the section *Porphoryspora*, notable for its reddish-brown spores, membranous ring, reddish-brown lamellae, and a mostly western Pacific Rim distribution. Only one species, *H. sarcophyllum*, is found in North America. The authors point out that a number of studies have shown that various toxic compounds have been found in *Hebeloma*, and that no other species in this group are considered edible, although there are reports of edible *Hebelomas* in Mexico and Nigeria. Even if such do exist “foraging for *Hebeloma* is strongly discouraged particularly given the difficulty of species identification within this genus. Whether *H. parvisporum* contains toxic compounds or not is not addressed. (*Adventurous cuisine in Laos: Hebeloma parvisporum, a new species in Hebeloma section Porphyrospora, U. Eberhardt, HJ Beker et al. Mycologia Vol. 112, 2020, Issue 1.*)
- **FAR-FLUNG FUNGI:** A study of the global biogeography of arbuscular mycorrhizal fungi (AM) which dwell symbiotically in over 80% of land plants utilized DNA from 1014 plant-root samples collected from six continents. Although AM fungi are thought to have limited dispersal ability, 93% of all taxa were found on multiple continents and 34% on all six continents surveyed. In addition, they were spread across both forests and grasslands, as well as climactic zones. The authors constructed a dated phylogenetic tree which they interpret as showing that the AM taxa they utilized originated after major continental shifts occurred (less than 100 million years ago). Accordingly, the dispersal of AM fungi is thought to be recent, and attributable to dispersal agents such as wind and dust storms, as well as human activities and perhaps birds and seawater. (*Global assessment of arbuscular mycorrhizal fungus diversity reveals very low endemism. Davison, J. et al. Science 349, 970–973 (2015)*)

(Compiled by editor from above cited sources)



EAGLE HILL INSTITUTE MYCOLOGY WORKSHOPS STEUBEN, MAINE

July 26-Aug 1 Mushroom Identification for New Mycophiles: Foraging for Edible and Medicinal Mushrooms- \$545 Greg A. Marley and Michaeline Mulvey– A field identification course of the macrofungi focusing on the skills needed to identify common mushrooms using field characteristics, keys and guides while also addressing preparation of edible fungi for the table. For beginning fungiphiles and amateur mycologists interested in expanding their knowledge. (Meal Plan \$278. Accommodations \$165-195.)

Sept 25-27 Fall Maine Mushrooms David Porter and Michaeline Mulvey \$150 (Accommodations \$90. Meal plan \$90.) This weekend workshop is an introduction to the Fall mushrooms of the downeast coast with collecting excursions. It will cover the methods and resources of mushroom identification using keys, field guides and online resources. Toxicity, edibility, cooking and preservation will be addressed as well.

(Other allied Natural History week long seminars include Lichen Identification & Ecology, Introduction to Bryophytes & Lichens, Macro– and Microlichens (Weekend Workshop). Unless otherwise noted rates are \$495 for the seminar; \$195 for accommodations (double); and \$278 for the meal plan. Weekend workshop accommodations \$30 per nite, meal plan \$94. Access <http://www.eaglehill.us/> for more detailed information and to apply online. At this time no cancellations are listed.)



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*"I go to nature to be soothed and healed and to have my senses put in order."
John Burroughs*



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