



## Alabama Mushroom Society Newsletter June 2022

Hello Myco Fam!

I am so excited to see so many awesome finds being shared on our Facebook page! These recent rains have the fungi popping! Unfortunately, not in time to have many mushroom finds at the Georgia Mushroom Festival, but we had an amazing time anyway getting to meet so many of you and sitting for some excellent presentations. It certainly lit a fire for us for the Alabama Mushroom Festival this October! We are still accepting vendors, although certain categories are full. We have dropped our vendor fee after getting feedback from the vendors at GMF and because we want it to be accessible for even small businesses. We are also still looking for a few more food vendors. If you haven't prepurchased your campsite yet, go do that now! We are limited to about 50 campsites and they are going fast!

I am hard at working running sequences on the long backlog of specimens you all have sent me as well as setting up a system for sharing the results of said sequencing. If anyone is in the Cullman area and willing to drive out to Crane Hill to help with data entry, any assistance would be greatly appreciated and go a long way toward getting more accomplished.

We are excited to have AMS shirts up on our website and also have AMS vinyl stickers and macrochem sets that are for sale at in person events. Currently, they are only available at the Cullman Forays but will get some down to the Elmore County forays soon. As always, we appreciate your financial support! Alabama Mushroom Society is a 100% volunteer based non-profit organization. All proceeds go toward advancing mycology by means of paying for supplies to put on classes and forays, costs of maintaining the website, mailing fees to send specimens to researchers, sequencing costs and, this year, costs of putting on the festival. None of what we do would be possible without your support and we are eternally grateful!



### AMS Board

President  
**Alisha Millican**

Vice President  
**Kelcie Brown**

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**Spencer Lowry**

Secretary  
**Becca Mahoney**

Mush Love,  
-Alisha Millican  
AMS President



Sparassis spathulata  
By Paul Campbell



Cantharellus species  
By Tammy Kinney  
A very close runner-up in our  
Calendar Contest last month

### Upcoming Events

Click [→HERE←](#) for more info or to register for an event!

- June 7th ----- AMS Meeting via Zoom
- June 11th ----- Elmore County Monthly Foray
- June 11th ----- Baldwin County Monthly Foray
- June 18th ----- Cullman County Foray

Lactifluus volemus  
Latex, shown here, is an important ID characteristic for any of the latex producing fungi (coming from a few different genera, they are collectively called the "milkcaps"). The color when wet, color when dried, taste, and color it stains the gills are all important features to note in field!



## **Mushroom of the Month**

By Becca Mahoney

### **Artomyces pyxidatus**

Out doing my Chanterelle checks this past week I couldn't help but notice a little favorite of mine popping up here in east central Alabama. *Artomyces pyxidatus* aka Crown Tipped Coral is a lovely mushroom whose form brings to mind the corals found in the ocean.

It is in fact a coral mushroom from the family Auriscalpiaceae and the order Russulales. You may find it listed as *Clavicornia pyxidata* in older publications.

You'll find this little gem across most of the US except for the West Coast. It is really easy to identify. It grows on dead, usually well decayed wood from spring to fall. The epithet *pyxidatus* means, "box-like", referring to the shape the fungal structure takes as it grows. It has distinct crown-like structures on the tip of each branch.



Artomyces pyxidatus  
by Alisha Millican



Artomyces pyxidatus  
by Jan Newton  
Note the crown-like structures on the tip of each branch.

*Artomyces pyxidatus*



Close up of the crown tips



All photos on this page by  
Anthoni Goodman



**LOOK ALIKES** - *Ramaria stricta* (bruises when handled, stinky to anise scented and bitter to taste) and *Ramaria concolor*, which looks very similar to *R. stricta*, but lacks the yellow/greenish tips and tastes acrid. Both of these grow from wood but lack the crown tips and mild odor associated with *A. pyxidatus*. Most other *Ramaria* grow from soil whereas *Artomyces pyxidatus* never does. Also be aware that sometimes soil growing fungi will grow on wood if it is very very decayed and broken down to the point that it is becoming soil!



*Ramaria concolor*  
photos (right and  
below) by Adam  
Gordon  
Note the much  
fleshier base  
which is typical of  
*Ramaria* species  
and the lack of  
crown-tips.



Ramaria stricta  
(left) by Vitaly  
Charny  
Note the lack of  
crown-tips and the  
soil substrate.



### **Artomyces pyxidatus Description**

**Fruit body:** up to 5" tall with numerous branches. The color varies little. You'll find whitish to buff, at times, a very pale yellow to tan. It has a coral-like appearance with many candelabra-like branches, each with a depressed center, crowned with 3 to 6 points. They remind me of the battlement structure of a medieval castle.

**Flesh:** White, tough, pliant. The odor is not distinctive but the taste may be a bit peppery.

**Spore print:** White

**Ecology:** Saprobic, growing alone or in groups on dead, usually decorticated (barkless) wood. Often on maple, tulip trees, aspens and willow trees. I've personally found them on oak. Occurring from spring thru fall in most places.

**Edibility:** edible

References:

[Michael Kuo @Mushroomexpert.com](#)  
[Appalachian Mushrooms a Field Guide by: Walt Sturgeon](#)  
[Wikipedia](#)

## **Fungi Foragecast**

By Anthoni Goodman

As the summer officially rolls into Alabama the mushrooms across the state will depend more heavily on precipitation than latitude. That means that you may want to look at a rain map to determine the best locations for a good forage. [This map](#) is my go-to. The last week or so has shown us a much greater variety of fungi throughout the state and June will only expand that variety. In fact, the summer and early fall in Alabama (or at least the Southeast) may present a greater biodiversity of fungi than any other state (region). That means these fungi forecasts will become more vague and focus on families and genera rather than specific species. So bear with me and put your internet searches to good use! In the grasslands and manicured lawns expect to see the giant and showy *Chlorophyllum molybdites* (the green-gilled vomiter!), a plethora of *Panaeolus*, a cacophony of coprinoids, and in the cow-fields - a popping of *Psilocybe*. At the edge of the woods *Lacrymaria*, *Psathyrella*, *Xeruloid* Mushrooms, and *Typhrasa gossypina*. In the woods expect to see *Pluteus*, *Megacolloybia*, *Russula*, *Lactarius* and *Lactifluus*. Armies of *Amanita* will arise, especially *Amanita amerirubescens*, *arkansa*, *banningiana*, *bisporigera*, *flavoconia*, *flavorubes*, *jacksonii*, *murrilliana*, *onusta*, *praecox*, *rhacopus*, *vaginata*, *virginiana*, and *westii*. We are already seeing the Destroying Angels of *Amanita* section *Phalloideae* making an appearance. You may notice I've left out the lepidellas, and while we will certainly see some of them, they have a greater propensity to fruit in the fall. I urge caution and copious education to anyone foraging any *Amanita* for the table as several *Amanita* species- every thing in the aforementioned section *Phalloideae*- will kill you quite painfully if eaten - this is NOT a beginners genus for consumption. Though even the most deadly mushrooms can very safely be handled. Also expect the early boletes/polypores including several *Suilius*, plenty of *Polyporus*, bunches of *Boletus*, hoards of *Hortiboletus*, a small range of *Retiboletus*, some *Strobilomyces*, and troops of *Tylopilus*. These can be really confusing so I suggest checking out [the latest Bolete book](#) (a worthy buy in my opinion) Corals such as *Artomyces*, *Ramaria*, and *Clavulina*. For most foragers, the harvests of *Cantharellus* (chanterelles) and *Craterellus* (the black trumpets) are the highlight of the summer. Best to look about 1-2 weeks following several days of rain in mixed hardwoods. Mark good spots on your GPS and check frequently. We should expect good hauls this year. Don't forget to post your cool and unusual finds both on our Facebook group and on iNaturalist!

Cantharellus species  
By Jan Newton



Resupinatus species  
By Cassie Pugh



## **Calendar Contest**

Congratulations to our May winner Nate Cooper with his photo of *Laetiporus sulphureus* from Jefferson County!



**Go submit your own mushroom photos on June's Calendar contest on Facebook!!**

[Go now!](#)

**AMS Merch Now Available!**

[>Check it out now!<](#)

Men and Womens and Kids T-shirts, baby onesies and hoodies now available!

Wearing AMS merch MIGHT attract the attention of renowned myco folks::



Alisha Millican, wearing the new AMS shirt, with Bill Yule, Walt Sturgeon, and Jay Justice



## Fungal Sequencing Results

Below you will find a table of our sequence results. We had 10/66 fails, which are not included here. **Blue highlighting indicates more testing is needed**, such as a reverse read of the DNA or microscopy. **Yellow highlighting indicates a sequence that either does not match any other available sequences or matches sequences of potentially undescribed species.** More work beyond our scope here is needed to determine if they are truly new species or not. More details can be found at the iNat links in the left most column.

| Suggested ID                             | Sequence Result                  | Additional Info on iNat       |
|--|----------------------------------|-------------------------------|
| Exidia crenata                           | Exidia crenata 100%              | <a href="#">iNat107426341</a> |
| Schizophyllum commune                    | Schizophyllum commune/radiatum   | <a href="#">iNat106619475</a> |
| Cuphophyllus pratensis group-undescribed | Cuphophyllus sp.                 | <a href="#">iNat108115769</a> |
| Rhodofomes canjanderi                    | Rhodofomes canjanderi 100%       | <a href="#">iNat107434397</a> |
| Ramaria                                  | Ramaria "sp-IN11"                | <a href="#">iNat102433197</a> |
| Rhodocollybia maculata var. scorzonerea  | Rhodocollybia "maculata sp-AL01" | <a href="#">iNat102396319</a> |
| Baeospora myriadophylla                  | Baeospora myosura                | <a href="#">iNat99287676</a>  |
| Microporellus dealbatus                  | Microporellus dealbatus 100%     | <a href="#">iNat101641208</a> |
| Hypotrachea oprah 12627                  | Hypotrachea oprah- 1st sequence  | <a href="#">iNat109970250</a> |
| Lyophyllum decastes                      | Lyophyllum aff. fumosum          | <a href="#">iNat67442878</a>  |
| Melanophyllum haematospermum             | Melanophyllum sp.                | <a href="#">iNat77536760</a>  |
| Amanita sp-10                            | Amanita sp.                      | <a href="#">iNat83307789</a>  |
| Cortinarius                              | Cortinarius splendidus 100%      | <a href="#">iNat86121479</a>  |
| Russula                                  | Russula sp.                      | <a href="#">iNat87206435</a>  |
| Lactarius indigo                         | Lactarius indigo 99.6%           | <a href="#">iNat87216282</a>  |
| Leptonia                                 | Entoloma sp.                     | <a href="#">iNat87437199</a>  |
| Amanita magnivelaris                     | Amanita sp.                      | <a href="#">iNat87439202</a>  |
| Lactarius peckii                         | Lactarius peckii 99.9%           | <a href="#">iNat87801000</a>  |
| Pulveroboletus ravenelii                 | Pulveroboletus ravenelii 99.7%   | <a href="#">iNat89142916</a>  |
| Tylopilus violatinctus                   | Tylopilus rubrobrunneus 100%     | <a href="#">iNat89435080</a>  |
| Gymnopus iocephalus                      | Gymnopus iocephalus 100%         | <a href="#">iNat89497050</a>  |
| Lactifluus volemus                       | Lactifluus cf. volemus           | <a href="#">iNat92382129</a>  |

|                             |  |                               |
|-----------------------------|--|-------------------------------|
| Pulchroboletus sclerotiorum | Pulchroboletus sclerotiorum 100%   | <a href="#">iNat92388986</a>  |
| Xanthoconium                | Boletus aff. pinophilus  | <a href="#">iNat93006817</a>  |
| Gyroporus smithii           | Gyroporus sp.  | <a href="#">iNat93718505</a>  |
| Retiboletus griseus         | Retiboletus vinaceipes   | <a href="#">iNat94360322</a>  |
| Strobilomyces               | Strobilomyces sp.  | <a href="#">iNat94426405</a>  |
| Gomphus clavatus            | Gomphus ludovicianus 100% to type  | <a href="#">iNat94633522</a>  |
| Russula                     | Russula "sp-IN74" 100%   | <a href="#">iNat96574091</a>  |
| Hydnellum                   | Phellodon confluens 100%   | <a href="#">iNat96577490</a>  |
| Amanita "carolinensis"      | Amanita sp. 'Carolinensis' 100%  | <a href="#">iNat97211083</a>  |
| Amanita persicina           | Amanita persicina 100% match to type                                     | <a href="#">iNat99043443</a>  |
| Tricholoma odorum           | Tricholoma odorum/sulphureum No reliably IDd species to compare          | <a href="#">iNat97619069</a>  |
| Leucopaxillus laterarius    | Lactifluus aff. glaucescens  | <a href="#">iNat97732587</a>  |
| Lactarius salmoneus         | Lactarius salmoneus 100%   | <a href="#">iNat97734705</a>  |
| Omphalotus illudens         | Omphalotus illudens 99.9%  | <a href="#">iNat97773661</a>  |
| Cortinarius violaceus       | Cortinarius violaceus 100%   | <a href="#">iNat97784072</a>  |
| Tylopilus badiceps          | Only match is a soil sample from Costa Rica. Only 88% match to Tylopilus | <a href="#">iNat97785858</a>  |
| Inosperma                   | Inosperma lanatodiscum 99.7%   | <a href="#">iNat97934295</a>  |
| Ramaria                     | Phaeoclavulina sp.   | <a href="#">iNat98439268</a>  |
| Lactarius maculatipes       | Lactarius sp.  | <a href="#">iNat99269529</a>  |
| Lactarius chelidonium       | Lactarius chelidonium 100%   | <a href="#">iNat99282048</a>  |
| Cuphophyllus virgineus      | Cuphophyllus sp.   | <a href="#">iNat99289107</a>  |
| Chroogomphus ochraceus      | Chroogomphus sp.   | <a href="#">iNat99554059</a>  |
| Auricularia nigricans       | Auricularia polytricha OR A. cornea                                      | <a href="#">iNat99586648</a>  |
| Polyporus radicans          | Polyporus cf. radicans   | <a href="#">iNat100417635</a> |
| Inocybe lilacina            | Inocybe lilacina 100%  | <a href="#">iNat100417899</a> |
| Hydnum subtilior            | Hydnum cuspidatum 100% to type   | <a href="#">iNat100418397</a> |
| Hygrophorus russula         | Hygrophorus "russula-IN01"   | <a href="#">iNat100418824</a> |
| Amanita                     | Amanita 'carolinensis' 100%  | <a href="#">iNat100419583</a> |
| Cystodermella               | Cystodermella cinnabarina  | <a href="#">iNat100420144</a> |
| Infundibulicybe gibba       | Singerocybe adirondackensis 100%   | <a href="#">iNat100441927</a> |
| Phlebia incarnata           | Phlebia incarnata 100%   | <a href="#">iNat100442977</a> |
| Mycena sp                   | Mycena confinationis 98.8%   | <a href="#">iNat100770086</a> |



Alabama Mushroom Society is an affiliate of the North American Mycological Association. AMS members get a \$5 discount when joining NAMA. NAMA members enjoy access to their newsletter *The Mycophile*, full access to the expanded website, first access to zoom presentations, and the ability to attend NAMA sponsored forays.

[>Link to NAMA<](#)

**Leadership Opportunities in NAMA (North American Mycological Association) are Available!**

From Trent Blizzard, NAMA President and Dave Layton, NAMA 1<sup>st</sup> Vice President and Nomination Committee Chair

*NAMA is a dynamically expanding organization headed toward an exciting future! If you want to help lead NAMA as it plays a pivotal role in the burgeoning interest in fungi, here are opportunities for NAMA members to help shape our future.*

**Board Secretary**

NAMA Nomination Committee seeks potential nominees for the position of Board Secretary for a 3 year term starting in January of 2023. The primary duties of Board Secretary are to attend NAMA Executive Board meetings either by Zoom or in person at the board meeting held during the annual foray. Registration fees for the Annual foray are waived for board members since they are required to attend. The Board Secretary takes minutes of each board meeting and emails them to the board in a timely fashion for revision. Board Secretary is a full voting member of the Executive Board who helps to shape the direction of NAMA's future. Qualifications for this position include:

- Current NAMA membership
- Coherent communication and writing skills
- Ability to use Internet and computer applications such as Zoom
- Willing to take responsibility for timely presentation of minutes.

Please address interest and inquiries to Dave Layton [davelayton54@gmail.com](mailto:davelayton54@gmail.com) PH# 563-321-7383 (cell)

**NAMA is also seeking individuals for the following positions:**

- Membership Director This is an executive position. The successful candidate must have good verbal and written communication skills and be comfortable learning to use the many features of Memberleap software: <https://www.memberleap.com/>
- New regional trustees for the Mid Atlantic and Appalachian Regions (states listed here: [https://namyco.org/regional\\_trustees.php](https://namyco.org/regional_trustees.php)). They would be appointed until the annual meeting, when they would be officially elected if they choose to continue serving.
  - Fundraising Committee Seeking both Chair and Members - This newly formed committee is charged with helping to find new revenue sources for NAMA to pursue. There are a myriad of opportunities presenting to us in 2023 and beyond. Ranging from new membership types to federal grants, to simple advertising we are hoping to shape policies and plans to improve our financials and need your help!
  - Financial Committee Seeking Members - This committee is charged with helping NAMA oversee and manage its financial resources and decision making. There are several very important money problems (or opportunities) that need immediate attention. With issues ranging from our endowment investment process to our non-profit status this committee really needs individuals with a finance background or financial savvy. Please join, we really need your help to be good stewards of our monetary resources.

Please address interest and inquiries to Trent by email [president@namyco.org](mailto:president@namyco.org) PH# 970-379-6754 cell.



Flammulaster sp.  
By Cassie Pugh



Tylopilus plumbeoviolaceus  
By Brian Ba'ryan

## **In The Kitchen**

By Kevin Hébert

### **Black Trumpet and Turkey Stuffed Buns with Cucumber Salad**

With the rising temperatures and rainy days comes the elusive back trumpet. This dish delivers on flavor by pairing the earthiness of the black trumpet with hints of sweet and sour, all wrapped up in a chewy bread bowl!



#### **Ingredients (about 2 servings):**

|   |                    |
|---|--------------------|
| 1 cup chopped black trumpet<br>(Craterellus fallax) | 1 egg              |
| 1 large shallot                                     | sesame seeds       |
| 3 cloves of garlic                                  | peanut oil         |
| 1 bunch of scallions                                | 2 cucumbers        |
| ¼ cup chopped water chestnuts                       | 1 carrot           |
| ½ lb ground turkey                                  | 1 tsp togarashi    |
| ½ cup hoisin sauce                                  | ⅓ cup rice vinegar |
| 1 tbsp oyster sauce                                 | 1 tbsp honey       |
| 1 tbsp dark brown sugar                             | ½ tsb sesame oil   |
| 15oz fresh pizza dough (easy to make<br>yourself)   | 1 tsp soy sauce    |

## **Directions:**

### **Step 1: Prep the ingredients and salad**

Preheat the oven to 450 degrees, and set two racks at bottom and middle position. Rinse and rough chop the trumpets. Dice the shallot. Rough chop the garlic. Slice the scallions, separating the green tops from the white bottoms. Rough chop the water chestnuts. Thinly slice the cucumber. Grate the carrot. Mix the cucumber, carrot, honey, sesame oil, soy sauce, rice vinegar, and togarashi in a medium sized bowl. Stir to combine and then set aside and stir occasionally. Combine the hoisin sauce, oyster sauce, brown sugar, and  $\frac{1}{3}$  of the garlic in a small bowl. Whisk the egg in a small bowl.

### **Step 2: Cook the stuffing**

Heat a saute pan to medium high and add a drizzle of peanut oil. Add the scallions, shallots, and garlic, then cook for 1-2 minutes. Add the trumpets and water chestnuts and cook for another 3 minutes, stirring frequently. Transfer mixture to a plate and set aside. Add another drizzle of peanut oil to the pan then add the turkey and cook until browned. Once cooked through, add the mushroom mixture back to the pan and stir to combine. Add the hoisin, oyster, sugar, garlic mixture and cook for 1 minute, then remove from the heat.

### **Step 3: Stuff the buns**

Prepare a large baking pan with parchment paper. Break the pizza dough into six equal sized pieces. Roll out each piece of dough on a flat surface to a six inch diameter. Separate the stuffing into six equal parts, then place the stuffing in the center of the rolled dough pieces. Fold the dough around the stuffing and crimp the edges, then flip the bun so that the seam side is on the pan. Brush the top of the bun with the egg, then sprinkle with sesame seeds.

### **Step 4: Bake the buns**

Place a round cake pan  $\frac{3}{4}$  full of water on the lower oven rack then add the prepared pan of buns to the oven on the middle rack. Bake for 15 minutes. After 15 minutes, pour  $\frac{1}{4}$  cup of water into the baking pan and bake for another 10 minutes, or until the buns are golden and the water has evaporated. Remove buns from the oven.

### **Step 5: Finish the dish**

Serve the stuffed buns alongside the cucumber salad and garnish with the green scallions. Mix together some hoisin, sambal, mayo, and soy sauce for a creamy dipping sauce, or serve with some ponzu. Enjoy!

## **Meeting Information**

AMS meetings take place the first Tuesday of the month at 7pm CST via Zoom and are open to the public.

Join us June 7th where, after a brief business meeting, we will be joined by YouTuber, artist and Fungi Fanatic Anna McHugh!

She will be presenting for us-

**Conversation with a Fungus Fanatic: Hunting and Illustrating Mushrooms with Anna McHugh**

Explore a year-round regimen for appreciating wild mushrooms with North Carolina-based mushroom enthusiast and YouTuber Anna McHugh. From tips for finding new patches through the height of the season to an intro to illustrating mushrooms, Anna will teach you the ins and outs of continuous learning, whether or not there are mushrooms in the forest. Learn some mushroom hunting fundamentals, including a tour of some of the Southeast's most intriguing fungi and low-impact method for keeping up with mushroom taxonomy. There will also be some discussion of Hot Pockets.

Link to the zoom meeting: [Join Meeting](#)

Meeting ID: 867 9986 3060

Passcode: 18

The image is a screenshot of the iNaturalist project page for "AMS 2022 Scavenger Hunt". The main visual is a close-up photograph of several bright orange, gilled mushrooms growing on a rock. The text "2022 Scavenger Hunt" is overlaid in large, bold, black letters. Below the photo, there is a small icon of a mushroom and the text "AMS 2022 Scavenger Hunt" and "JAN 1, 2022 - DEC 31, 2022". To the right, there is a green sidebar with the title "About" and a "Members" button showing 9 members. The sidebar text reads: "This is our yearly scavenger hunt to see who can make quality observations of the most different species of fungi! We give away \$200 worth of prizes to winners- 1st, 2nd and 3rd place. MUST BE A PAID ALABAMA MUSHROOM SOCIETY MEMBER TO QUALIFY FOR PRIZES". Below this are buttons for "Read More >", "Your Membership", "Edit Project", and "Project Journal".

Have you heard about our scavenger hunt yet?! Find and properly identify as many mushrooms in Alabama as you can and win prizes at the end of the year! You get credit for finding the mushrooms when you add them to our project on iNaturalist. Read the full rules on our website [here](#). Any observations you upload to iNaturalist will be automatically submitted to the project after joining. Joining the project is easy!

1. Download the iNaturalist app on your smartphone or access it via the website [www.inaturalist.org](http://www.inaturalist.org).
2. Sign up for free to make your account.
3. Join the iNaturalist project titled "AMS 2022 Scavenger Hunt"  
→Must be a paid AMS member to win←

Is there something you would like to see included each month? Do you have foray photos, a recipe or something else you would like to contribute? Reach out to us at [www.almushroomsoc@gmail.com](mailto:www.almushroomsoc@gmail.com)