



The Raleigh Aquarium Society
Presents
Carolina Aquarium Workshop XXXV
in
Raleigh, North Carolina
at the
Ramada Inn by Wyndham
on
March 6-8, 2020

The Raleigh Aquarium Society (RAS), now in its fourth decade, invites you to attend its 35th annual Carolina Aquarium Workshop, one of the oldest home aquarium conventions in the country, in Raleigh, NC. We offer many events, including a native fish collecting trip, a guest speaker "Meet & Greet" with light hors d'oeuvres, a full day conference hosting several experts in the hobby, a banquet, and two auctions including aquatic animals, plants, supplies, and equipment. Our workshop is a unique opportunity to share information and enjoyment with many like-minded amateur and professional individuals in the home aquarist hobby. Recent events have numbered over 250 people from around the country and the world. Mark your calendars now for a memorable experience. We hope you can join us!

Workshop Schedule

Friday, March 6, 2019 (at lake and hotel)

1:00pm: Native fish and plant collecting field trip at 2 regional waterways. Carpools will leave from the Ramada Inn. RAS will provide buckets, seines, nets, and permits, but bring any personal items, such as containers, towels, extra clothes, waders, and food/drinks. Participants must be registered in the workshop to attend. Send an email to raleighfish@yahoo.com for signup.
6:00pm: Shrimp Competition with R. Mullinax
7:00pm: Meet & Greet with speakers.
7:30pm: "*Keeping Outdoor Tubs...*" by L. Bretz.
8:45pm: "*Enjoying Catfish...*" by C. Grimes.
10:00pm: Mini-auction.

Saturday, March 7, 2019 (at hotel)

9:00am: Workshop registration, setup, and shrimp bowl competition sign-in.
9:30am: "*The Florida Fish Farm...*" by C. Biggs.
10:45am: "*The Namesakes*" by M. Denaro.
12:00pm: Lunch (at the Ramada Inn).
1:00pm: "*Fish Nutrition...*" by A. Emanuele.
2:15pm: Break, vendor room, shrimp judging.
2:45pm: "*Keep Aquariums Natural..*" by L. Bretz
4:00pm: Break, vendor room, shrimp voting.
4:30pm: "*The Mad Aquarist*" by C. Biggs.
5:45pm: Break, vendor room, banquet setup.
6:15pm: Social hour, shrimp contest viewing.
7:00pm: RAS Dinner Banquet (at the Ramada Inn) followed by the presentation "*The Dead Fish Talk*" by C. Grimes.

Sunday, March 8, 2019 (at hotel)

9:00am: Auction Registration and Setup.
10:00am: Auction.

NOTE: Online enrollment for buyers and sellers is required prior to start of the RAS auction. Signup at www.mygroupauctions.com. Contact RAS for details.

Hotel Address and Map

The Raleigh Ramada Inn by Wyndham is located at 1520 Blue Ridge Road, Raleigh, North Carolina 27607; (919) 832 - 4100 or (844) 204 - 9930; www.ramadaraleigh.com).



Other Nearby Hotel Accommodations

Comfort Suites: 1200 Hurricane Alleyway, Raleigh, NC (866) 267-9053;
Wyngate: 6115 Corporate Ridge Road, Raleigh, NC (866) 276-6393;
Hampton Inn: 111 Hampton Woods Lane, Raleigh, NC (866) 279-5332;

Contact Information

For details, contact Chris Smith (919-698-2828) or Michael Maieli (919-624-3053). You can also visit us online at www.raleighaquariumsociety.org or www.facebook.com/caw2020. Send any questions to raleighaquariumsociety@yahoo.com.

Workshop Speakers

Chris Biggs hails from the barren tundra of the frozen north in rural Manitoba, Canada. Chris, "the mad aquarist", Biggs is a devoted father of 4 daughters and a court jester to his lovely and tolerant wife Dayna. A life-long aquarist, his father thrust him into the hobby at a very young age by 'volunteering' him to a local pet store to supply their small tank kept in the family den. He never looked back. Chris is a founding member of the Aquarium Society of Winnipeg, the Canadian Cichlid Association, and Dead Fish Order. He quickly achieved the Grand Master for both fish breeding and aquatic horticulture. He's a classically trained botanist, passionate naturalist, and gardener. Master of much, Chris is well known for his colorful tattoos, outspoken mouth, and well received knowledge on most things aquatic on his YouTube channel. Eager to share and educate, he is a welcome presence internationally.

Lucas Bretz is the owner and operator of LRB Aquatics. He currently maintains over 300 planted freshwater tanks out of his home, including outdoors breeding tubs and ponds that operate year-round. He is known for his natural and unique approach to keeping freshwater aquariums. He hosts the live Q&A sessions every Friday on his YouTube channel and also sells a wide variety of home-bred fish, shrimp, and plants on his website www.lrbaquatics.com. Lucas holds 5 international shrimp contest awards for a variety of his Neocaridina lines. He suffers from collector-itis and 'multiple tank syndrome', and is always experimenting and testing tradition. Check out his YouTube channel, LRB Aquatics, to see what he's up to next!

Mark Denaro has visited RAS several times, keeping freshwater and marine tanks since the 1970's. He was interested in planted, biotope, and reef tanks before the terms were coined. Mark has bred over 200 species of freshwater fish, 9 species of marine fish, 30 species of marine invertebrates, and has propagated over 150 species of aquatic plants. He's been a member of the Bucks County and Indianapolis Aquarium Societies, the International Betta Congress, and American Labyrinth Association, holding many elected offices. Mark is a prominent speaker and judge and has delivered talks at conventions and meetings for over 40 groups in the USA and Canada. He has worked in the pet industry for over 25 years at all levels including management at independent/big box retailers and at aquarium/terrarium installation and maintenance companies. He has owned a retail shop, a marine wholesale operation, and

Anubias Design, which is a specialty supplier of novel and unique aquatic species.

Ashley Emanuele earned her bachelors degree in Marine Biology from Roger Williams University in Rhode Island and her Doctor of Veterinary Medicine degree from the NCSU CVM. She has conducted research with octopus, cuttlefish, and sea turtles. She became North Carolina's first certified aquatic Veterinarian in 2017, a distinction awarded by the World Aquatic Veterinary Medical Association. Dr. Emanuele has special interests in animal nutrition, ophthalmology, health, pediatrics, and geriatrics.

Charley Grimes got his first tank when he was 12 made from an old gasoline pump cylinder, cutting his teeth on mollies and danios. Shortly thereafter, he added cichlids, angelfish, severums, and festivums to the mix, erasing any doubt that angelfish are cichlids (they ate all the molly fry and the danios). At 78, Charley still likes keeping fish and was a speaker at the first RAS Workshop. He keeps over 450 species of livebearers and eggbearers in his 600 square foot fishroom, which houses about 100 tanks (an ideal number for him to balance both fun and projects; fish spawning is a big deal for him). Charley has collected native species in all but 5 states east of the Mississippi, as well as Mexico and Brazil. The only thing better for him is hanging around fish people at meetings, conventions, auctions, and workshops.



2020 RAS Officers

- | | |
|-----------------------|------------------|
| Thomas Narten | - President |
| Jamye Carr | - Vice-President |
| Michael Maieli | - Secretary |
| Chris Smith | - Treasurer |
| Neil Frank | - Director |
| Curtis Smith | - Director |
| John Wisdom | - Director |

2020 Workshop Pre-Registration Form

{all prices are \$5.00 higher at the door}

Name: _____

Address: _____

City: _____

State/Zip: _____

Phone: _____

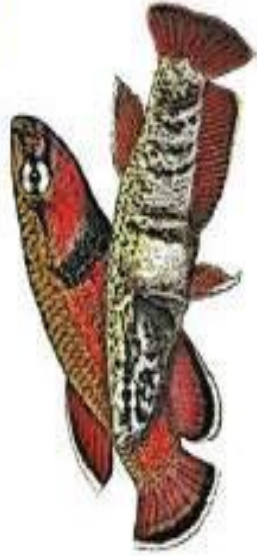
Email: _____

<u>Event Description</u>	<u>Attendees</u>	<u>Sub-Total</u>
Annual RAS Membership: (includes a household for the entire year) = \$20.00		\$
Friday Native Fish Collecting Trip: = free with registration		No Charge
Friday Meet And Greet: = free with registration		No Charge
Saturday Workshop: Member = \$20.00 Non-member = \$25.00 (Children ≤ 12 free)		\$
Saturday Banquet: Member = \$20.00 Non-member = \$25.00		\$
Saturday Banquet: Child (≤ 12) = \$15.00		\$
Sunday Auction: Member = free Non-member = \$5.00		\$
GRAND TOTAL ==>		\$

Mail this completed form to the Raleigh Aquarium Society, POB 31564, Raleigh, NC 27612 or give it to a club officer. Make checks payable to The Raleigh Aquarium Society. You can also register online via the RAS website www.raleighaquariumsociety.org.



Raleigh Aquarium Society 35th **CAROLINA AQUARIUM** **WORKSHOP: MAR 5-8, 2020**



RAMADA - Raleigh NC
1520 BLUE RIDGE RD
beside NCSU Vet School

THU - MARCH 5 @ NCSU Vet School, 7:30-9:30 pm

Ichthy Ichthyis: Principal Diseases of Marine & Freshwater Fish: Ashley Emanuele
Nano Aquariums 101: Mark Denaro



FRI - MARCH 6 @ RAMADA

Native Fish Collecting Trip: 1:00 to 6:00 pm
Shrimp Bowl Show & Vendors: 6:00 to 7:30 pm
Meet & Greet Party with Speakers: 7:00 to 7:30 pm

Outdoor Tubs & Ponds Year-Round : Lucas Bretz, 7:30 pm
Enjoying Catfish, The Grimes Way: Charley Grimes, 9:00 pm



SAT - MARCH 7 @ RAMADA

Registration & Vendor Displays Open: 9:00 am
Speakers, Displays, Shrimp Show: 9:30 am to 5:30 pm

The Namesakes: Influential Aquarists and Their Namesake Fish: Mark Denaro
The Mad Aquarist: Stories and Follies of a Lifelong Aquarist & Botanist: Chris Biggs
Keeping Natural & Simple Tanks Without Filters: Lucas Bretz
Nano-Aquariums 101: Freshwater and Marine Setups & Inhabitants: Mark Denaro
Fish Nutrition, Feeding Strategy, Supplements, New Protein Sources: Ashley Emanuele
Florida Fish Farm Experience: Behind-the-Scenes Tours: Chris Biggs

Social Time, Vendor Displays, Shrimp Show Viewing & Awards: 5:30 to 7:00 pm
Dinner Banquet: 7:00 to 8:00 pm. *Fun with Dead Fish:* Charley Grimes, 8:00 pm

SUN - MARCH 8 @ RAMADA -- AUCTION of Fish, Invertebrates, Corals, Plants

Auction Registration & Set-Up: 9:00 am (register & view items at mygroupauctions.com)
Auction Begins: 10:00 am (Runs 5 to 6 Hours -- Anyone May Buy or Sell)



CAW 2020 Registration Costs:

THU: FREE! First Thurs Monthly RAS Meetings are Free to Everyone.
FRI + SAT Events except Banquet: \$20 Member, \$25 Non-member, Free under 12
SAT Banquet + After-Dinner Talk: \$20 Members, \$25 Non-member, \$10 Kids under 12
SUN Auction: Free Aquarium Soc (Paid) Members; \$5 Non-members; Free under 12
"paid members" = any regional club with membership dues: CAAS, JRAS, SCAA, AAAA, PVAAS, etc.
Register online (with paypal), or by cash, check or credit card at CAW or any RAS meeting

Registration Info: www.raleighaquariumsociety.org or facebook.com/CarolinaAquariumWorkshop
Email: raleighaquariumsociety@yahoo.com Phone: Michael Maiehl 919-624-3053

ALSO: Visit our **Monthly RAS Meetings**, First Thursdays @ NCSU Vet School, 7:30 - 9:30 pm