



Tank Topics

March/April 2019

Inside this issue:

President's Message Bud White	3
Editor's Message Dave Williamson	3
BAP/HAP Wayne Toven	4
Bowl Show Report Rob Williams	5
Membership Report Mike Swanson	6
HAP Update Wayne Toven	7
<i>Steatocranus tinanti</i> Elsie Swanson	8
Book Pre-Order	9
Coming Events	10
Meeting Notice	10



An albino peacock cichlid. Come and learn about this genetic trait at this month's meeting.

2019 GAAS Board of Directors

President.....	Bud White	(330) 571-0394/president@akronfishclub.com
Vice President.....	Jeff Plazak	(330) 854-5257/jvicepresident@akronfishclub.com
Treasurer	Rich Serva	(330) 650-4613/treasurer@akronfishclub.com
Secretary.....	Dave Girard	secretary@akronfishclub.com
Editor.....	Dave Williamson	editor@akronfishclub.com
Special Activities	Rob Williams	specialactivities@akronfishclub.com
BAP/HAP	Wayne Toven	(330) 256-7836/baphap@akronfishclub.com
Membership	Mike Swanson	membership@akronfishclub.com
Raffle.....	Phil & Tiffany Hypes	(330) 327-6316/raffle@akronfishclub.com
Program/Historian	Steve Brunn	(330) 524-3096/program@akronfishclub.com
FAAS Rep	Ken McGill	(419) 677-3405/faas@akronfishclub.com
Refreshments	Elsie Swanson	(440) 466-1799/refreshments@akronfishclub.com

**Important Dates
for 2019**

**March 3
Spring auction**

**June 8 & 9
Ultra Aqua 2019**

**November 3
Fall auction**

Check out our website: www.akronfishclub.com

THE GREATER AKRON AQUARIUM SOCIETY

WHO ARE WE? We are a local group of aquatic enthusiasts. Formed in 1952, the Greater Akron Aquarium Society is a non-profit, non-commercial organization. Our membership ranges from the beginning hobbyist to the advanced aquarist with many years of experience. The goals of our club are to promote the care, study, breeding and exhibition of aquarium related aquatic life and to promote interest in the aquarium hobby.

MEETINGS: Our meetings are held on the second Friday of each month at 8:00 p.m. at the Ritchie Memorial Shelter House, 109 West Avenue, Tallmadge, OH 44278. It is located West of Tallmadge Circle with access from Sperry Ave., behind Vet Clinic and across from the Chevrolet dealer. Visitors are always welcome, it costs absolutely nothing to attend a meeting and look us over.

MEMBERSHIP: The cost is only \$10 for adults, a couple or a family (includes children under 10 years of age) and \$5.00 for a junior membership (10 to 17 years) Membership provides an opportunity to socialize with others that share your interests, a subscription to our bi-monthly magazine and more.

AGENDA: Our meeting agenda is simple and informal. The meeting will begin at 8:00 p.m. with a short business meeting. Immediately following is the program for the evening which usually lasts about 45 minutes. Our programs consist of a speaker, slide program, movie or perhaps a panel discussion always on a particular subject related to the hobby or various species of fish. Following the program is a short refreshment break. After which the winners of the Bowl Show are announced, the Breeder's Award Program fish are auctioned and tickets are drawn for the raffle.

THE BOWL SHOW: Each month members can bring in fish for specific classes to compete for first, second and third place awards. The charge for each entry is only \$.25. Members also compete for annual awards by accumulating wins throughout the year.

BREEDER'S AWARD and HORTICULTURE AWARD PROGRAMS: members can receive recognition for spawning species of fish or propagating aquatic plants. All that is required is to turn in a minimum of six fry from the spawn that are between 30 and 90 days old. Members earn certificates for each species and can work towards plaques in different categories.

EQUIPMENT RAFFLE: The raffle table has such items as tanks, fish food and aquarium accessories that are donated by national manufacturers, area dealers or purchased by the Society. Tickets may be purchased by anyone attending the meeting. Save your losing tickets for the Christmas Party raffle.

ANNUAL SHOW: The Ultra-Aqua show is held during the summer at the Tallmadge community Center. This has become one of the largest all-species tropical fish shows in North America. It is an international gathering of hobbyists to display their fish in class competition, talk fish and to learn about the hobby from each other.

TANK TOPICS: is published on a bi-monthly basis for the members of the Greater Akron Aquarium Society. Articles and comments for this publication are welcome and encouraged. Such articles are to be submitted no later than the board meeting prior to publication. All articles may be reprinted as long as the author(s) and GAAS are given proper credit. Please send any correspondence regarding this publication to:

Editor/Tank Topics, P.O. Box 494, Akron, OH 44309-0494 or email to dwilliamson223@hotmail.com

The Greater Akron Aquarium Society Membership Form

Name _____ Age _____

Address _____

City _____ State _____ Zip _____

Phone _____ email _____

How did you find out about GAAS? _____

Memberships are due one year from the date of joining. Completed membership forms can be turned in at a meeting or mailed to the membership chairman at this address:

GAAS Membership Chairman, P.O. Box 494, Akron, OH 44309-0494

Dues are for 1 year or 2 years if
email publications are chosen

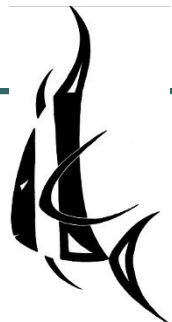
New Renewal

Electronic Mail

Adult (18 years and older) & Family
(includes children under 10) \$10.00

Junior (10-17 years) \$5.00

Dues Collected _____ Date Received _____



President's Message

Bud White

Hello Folks

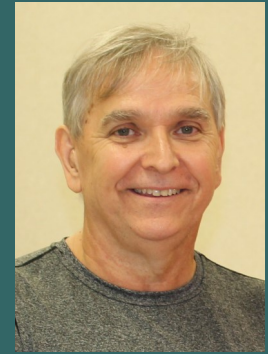
Not much to say here, missed the meeting due to my stepdaughter passing away that week.

I heard that Brian was just a wonderful speaker as usual, had a nice program and helped the club with donations, THANKS BRIAN!

I do want to remind you that our Spring

auction is almost here, that is Sunday March 3rd. We will be setting up Saturday march 2nd at 7pm, so please stop by and help setup things like tables and chairs. The more that show up the faster we get done, it is your club and a little time from your normal schedule is worth donating to it. Also come to the auction Sunday, bring something to sell and help the club by being a runner.

See you there, Bud.



Editor's Message

Dave Williamson

We all have those time in our lives that are kind of like speed-bumps, and I'm having one of those right now so please bear with me. . . this issue may not be up to the standards you are used to. Hopefully I'll be getting it together in the next couple of months, until then "it is what it is."

This issue was a little rushed due to the fact we wanted to get it out before the Spring Auction which actually falls the week before the meeting. So at this point here's the standard notifications: #1 we'll be setting up for the auction the night before Saturday March 2 at 7pm at the Tallmadge Community Center. Please consider helping if you have the time as it goes a lot quicker the more of us there are to do it. #2 Try to spend some time at the auction on Sunday March 3. It doesn't work if we don't have people there selling items or have a bunch of people to sell them to! And of course, your assistance is always welcome during the auction. Just ask and we'll find you some way to help out!

After this event is over, next up will be the Ultra-Aqua 2019 show coming up in June. This one takes a little more help getting set up and running but if you ask me it's well worth it. There will

be much more information in the next issue about this event. Just start thinking now about what fish you think you might want to enter in the show and start conditioning them for it now. A little bit of preparation goes a long way!

Oh, and so I don't forget to mention it before it's too late, Wayne is selling the sponsorships for the show and from what I hear, they're going fast! So don't get shut out purchase early and often. (you know, like voting. . . I really didn't mean that last part ;-)

You'll find also in this issue an ad for our January speaker's new book. If you're at all interested in the fish of our own back yards I would highly recommend picking one up. How often do you get to say that fancy book on your coffee table was co-authored by someone you've met (or in my case worked with)!

And as usual I'll end by suggesting that you all sit down, look at your aquariums and really think about what's going on in them. Then write about it. See how easy that would be? Inquiring minds want to know what your fish do!

I'll see you at the auction and the meeting!



two turtles pet center
highland square
760 w.market
akron, ohio 44303

mon-fri 10-7
sat. 10-6
sun 12-5 (330) 374-6765



PNT

Aquatics

Caves, Driftwood, Supplies
Reptashy Superfood

www.pntaquatics.com
info@pntaquatics.com

Hours by appointment only





BAP/HAP Report

Wayne Toven

Here I go again, looks like things have picked up for both programs this month, but can our members keep it going? We have instituted an incentive for both programs hoping to stimulate interest and participation. At the December meeting / Christmas party we will be giving members (need to be present to participate) who turned in spawns over the calendar year one ticket for each qualified spawn they submitted, then one ticket will be drawn for a grand prize of \$100. This will also apply to the Horticultural Program, for each qualifying submission the member turned in for the calendar year they will receive a ticket and one will be drawn for a \$100 prize, again member needs to be present to get their tickets. As spawns are turned in at meetings or auctions the member still will receive a coupon for \$1 worth of tickets for our dry goods raffle. Looks like Punxsutawney Phil said we are in for an early spring, after this confusing winter who can tell. With that said it is fish club spring auction season, lots of chances to get new fish species or breeding stock to earn those Breeder Award Program plaques of recognition, and work toward the club's Breeder of the Year award. There will be lots of live plants available at those auctions also, to earn your Horticultural Award Program plaques and work toward the Horticulturist of the Year. These awards will be presented at the Christmas party also, along with the new monetary prizes.

There is a new revision of the BAP rules this year, so you can obtain a hard copy from me at a monthly meeting or they can be downloaded from the club web site as soon as they are posted. I am working on updating the HAP rules also, there are several invasive plants that the Ohio Department of Natural Resources has banned, that members cannot sell, propagate, distribute, or import. An article will be published in our Tank Topics outlining the invasive species that are of concern in Ohio, which we will no longer be able to accept for the HAP. Speaking of the HAP we had a member reach the 100 point level a Beginning Aquatic Horticulturist plaque will be awarded to Amy Mullens, congratulations Amy!!

January 2019

BAP

Species	Common name	Class	Points
Mike & Elsie Swanson			
<i>Poecilia reticulata</i>	black Moscow guppy	Livebearer	5
<i>Poecilia reticulata</i>	half black red guppy	Livebearer	5
<i>Aphyosemion australe</i>	chocolate australe	Killifish	10
Wayne Toven			
<i>Goodea atripinnis</i>	blackfin goodeid	Livebearer	10
Bud White			
<i>Poecilia wingei</i>	bumble bee Endlers	Livebearer	5
Dave Williamson			
<i>Astatotilapia calliptera</i>	blue Chizmulu	Cichlid mb	10

HAP

Wayne Toven

<i>Vallisneria americana</i>	Giant val	A – vegetative	5
<i>Vallisneria spiralis</i>	Italian val	A – vegetative	5
<i>Echinodoras sp.</i>	Ozelot sword	C – vegetative	15
<i>Nymphaea sp.</i>	Dwarf lily	B – vegetative	10

February 2019

BAP

Stan Jachna

<i>Poecilia reticulata</i>	purple delta guppy	Livebearer	5
Karthick Muthuveeran			
<i>Poecilia reticulata</i>	pink pingu guppy	Livebearer	5
<i>Maylandia estherae</i>	red zebra	Cichlid mb	15

Mike & Elsie Swanson

<i>Neolamprologus leleupi</i>	lemon cichlid	Cichlid ss	15
<i>Staetocranus tinanti</i>	slender buffalohead	Cichlid ss	15

Bob Williams

<i>Poecilia reticulata</i>	Guppy	Livebearer	5
----------------------------	-------	------------	---

Dave Williamson

<i>Aspidoras spilotos</i>		Catfish	15
---------------------------	--	---------	----

HAP

Amy Mullens

<i>Vallisneria spiralis</i>	Italian val	A – vegetative	5
-----------------------------	-------------	----------------	---

Karthick Muthuveeran

<i>Bolbitis heudelotii</i>	African water fern	B – vegetative	10
<i>Cabomba caroliniana</i>	green cabomba	B – vegetative	10
<i>Microsorium pteropus</i>	Java fern	B – vegetative	10
<i>Anubias barteri var. nana</i>		C- vegetative	15

Jeffrey Swanson

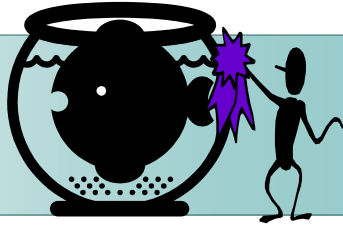
<i>Echinodoras griesbachii</i>	Amazon sword	C – vegetative	15
<i>Hydrocotyle leucocephala</i>	Brazilian pennywort	B – vegetative	10

2019 Totals

	BAP	Points	HAP	Points
Mike & Elsie Swanson	5	50	0	0
Karthick Muthuveeran	2	20	4	45
Rich Serva	2	20	1	10
Dave Williamson	2	25	0	0
Stan Jachna	1	5	0	0
Wayne Toven	1	10	4	35
Bud White	1	5	0	0
Bob Williams	1	5	0	0
Jeffrey Swanson	0	0	2	25
Amy Mullens	0	0	1	5

Bowl Show Report

Bowl Show Bob Williams



Hey guys we had an awesome bowl show to kick off the year! We had 27 entries. That's so great! I cant wait to see what Februarys bowl show brings us. Here are the results.

Guppies

- 1st. Rob Williams (5 entries)
- 2nd. Ken McGill (3 entries)
- 3rd. Team Swanson (3 entries)
- 4th. Jeff (3 entries)
- 4th. Dave Stevenson (1 entry)

Goldfish

- 1st. Dave Williamson (3 entries)
- 2nd. Rob Williams (4 entries)
- 3rd. Rob Williams
- 4th. Ken Mcgill (1 entry)
- 4th. Cody Alloway (1 entry)

Arts and crafts

- 1st. Team Swanson
- 2nd. Team Swanson
- 3rd. Team Swanson.

Dont forget, the schedule for the year is to the right.

Good luck, and dont forget. Bring your best, and be your best!!

Bowl Show Bob.

AQUARIUM GALLERY
 aquaticssuperstore.com
 330.866.0559
 6653 GRAFTON ROAD,
 VALLEY CITY, OHIO 44280

ALL ODDBALL AQUATICS
SALES@ALLODDBALLAQUATICS.COM
www.alloddballaquatics.com

2019 Bowl Show Schedule

January:

Guppies/Endler's
 Goldfish
 Arts & Crafts

February:

Amphibians
 Invertebrates
 Favorite Breeding Pair (sexable)

March:

Fish Family
 Homemade Aquarium Decoration
 Fish Photography (individual fish)

April:

Bettas
 Gouramis
 Non-Suckermouth Catfish

May:

Suckermouth Catfish
 African Cichlids
 Platies/Variatus

June:

Native Fish
 Homemade Aquarium Equipment
 South American Cichlids

July

Loaches
 Sharks
 Mollies

August:

Rainbowfish
 Tetras/Characins
 Killifish

September:

Danios/Minnnows
 Rasboras
 Swordtails

October:

Aquascape Challenge
 All Other Livebearers
 All Other Egglayers

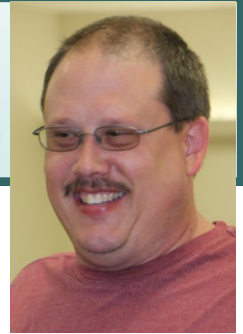
November:

Any Live Plant
 Aquarium Photography
 (show us your whole tank)
 Schooling fish group of 6

December: *no bowl show*

Membership Report

Mike Swanson



Hello Everyone,

We have been having some great speakers at the meetings. Meeting attendance is up. Anyone is welcome to stop and check us out.

Meetings are held the second Friday of each month at 8pm. The address can be found on the web-site www.akronfishclub.com. Come out and join us

for fish, friends and refreshments, it's a lot of fun. I hope to see you all soon.

Welcome to our newest members for joining the club:

Matthew McGonigal Cody & Hudson Alloway Keith Bene Steve Maupin

And thank you, to our members who renewed:

Brian Shrimpton Ralph Grammer Brian Zimmerman

Recently Expired memberships:

Adam Drugovich Bart Kraeger Neil Tennant Mike Thorn
Ray Weaver Brandon & Samantha Snopek

Memberships Expiring soon:

Mike Wynn Chris Brachna Mike Campbell Todd Zettler
Dan Ritter

Thanks, Mike Swanson

Remember you can renew or join on-line or at any of our functions.

GAAS Spring Auction March 3, 2019

**Tallmadge Community Center
80 Community Rd.
Tallmadge, Ohio 44278**

Registration 10 am - 12 pm
Auction begins at 11 am

For more information:

Bud White (330) 848-3856 (president@akronfishclub.com)
Wayne Toven (330) 256-7836 (baphap@akronfishclub.com)
Rich Serva (330) 650-4613 (treasurer@akronfishclub.com)

www.akronfishclub.com or

<https://www.facebook.com/Greater-Akron-Aquarium-Society>



**Be here or
you'll
never know
what you
missed!**

**Don't
FORGET!**



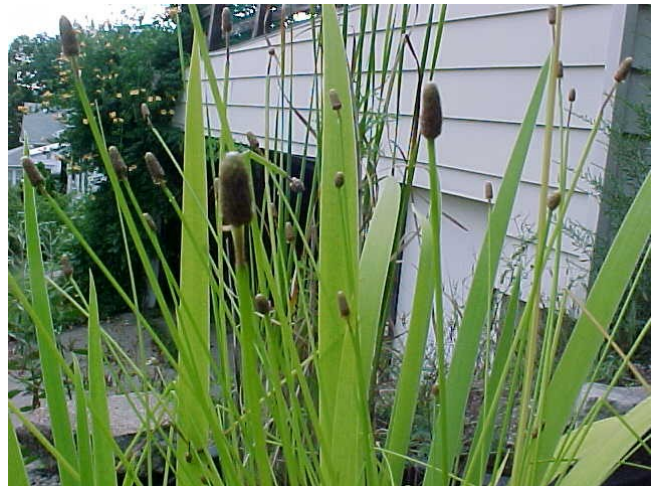
It has come to my attention as the Horticultural Award Program chairman that the state of Ohio has a very important issue with certain invasive plant species, after visiting lots of websites and downloading articles and publications, I finally found the actual list of invasive plants and animals that are of concern to our hobby. On the web site www.codes.ohio.gov/oac/901:5-30 I found a list of 38 invasive plant species, 14 of which are considered pond or marginal plants (in bold font) that can be associated with our hobby, and can no longer be accepted for our HAP.

Chapter 901:5-30 Disposal of Screenings 901:5-30-01 Invasive plant species.

(A) In order to protect native plant species and thwart the growth of invasive plant species, the director of the Ohio department of agriculture pursuant to section 901.50 of the Revised Code hereby declares the plants listed in paragraphs (A)(1) to (A)(38) of this rule as invasive plants. The invasive plants are first designated by the plant's botanical name and then by the plants common name. The botanical name is the official designation for the plant.

- (1) *Ailanthus altissima*, tree-of-heaven;
- (2) *Alliaria petiolata*, garlic mustard
- (3) *Berberis vulgaris*, common barberry;
- (4) *Butomus umbellatus*, flowering rush;
- (5) *Celastrus orbiculatus*, oriental bittersweet;
- (6) *Centaurea stoebe* ssp. *Micranthos*, potted knapweed;
- (7) *Dipsacus fullonum*, common teasel;
- (8) *Dipsacus laciniatus*, cutleaf teasel;
- (9) *Egeria densa* Brazilian, elodea;
- (10) *Elaeagnus angustifolia*, russian olive;
- (11) *Elaeagnus umbellata*, autumn olive;
- (12) *Epilobium hirsutum*; hairy willow herb;
- (13) *Frangula alnus*, glossy buckthorn;
- (14) *Heracleum mantegazzianum*, giant hogweed;
- (15) *Hesperis matronalis*, dame's rocket;
- (16) *Hydrilla verticillata*, hydrilla;
- (17) *Hydrocharis morsus-ranae*, european frog-bit;
- (18) *Lonicera japonica*, japanese honeysuckle;
- (19) *Lonicera maackii*, amur honeysuckle;
- (20) *Lonicera morrowii*, morrow's honeysuckle;
- (21) *Lonicera tatarica*, tatarian honeysuckle;
- (22) *Lythrum salicaria*, purple loosestrife;
- (23) *Lythrum virgatum*, european wand loosestrife;
- (24) *Microstegium vimineum*, japanese stiltgrass;
- (25) *Myriophyllum aquaticum*, parrotfeather;
- (26) *Myriophyllum spicatum*, eurasian water-milfoil;
- (27) *Nymphoides peltata*, yellow floating heart;
- (28) *Phragmites australis*, common reed;
- (29) *Potamogeton crispus*, curly-leaved pondweed;
- (30) *Pueraria montana* var. *lobata*, kudzu;
- (31) *Pyrus calleryana*, callery pear;
- (32) *Ranunculus ficaria*, fig buttercup/lesser celandine;
- (33) *Rhamnus cathartica*, european buckthorn;
- (34) *Rosa multiflora*; multiflora rose
- (35) *Trapa natans*, water chestnut;
- (36) *Typha angustifolia*, narrow-leaved cattail;
- (37) *Typha x glauca*, hybrid cattail; and
- (38) *Vincetoxicum nigrum*, black dog-strangling vine, black swallowwort.

HAP Update



(B) Except as provided in paragraphs (C) and (D) of this rule, no person shall sell, offer for sale, propagate, distribute, import or intentionally cause the dissemination of any invasive plant as defined in paragraph (A) of this rule in the state of Ohio.

(C) The prohibitions listed in paragraph (B) of this rule does not apply to the following:

- (1) *Lythrum virgatum*, european wand loosestrife until one year after the effective date of this rule.
- (2) *Pyrus calleryana*, callery pear until five year after the effective date of this rule.

(D) A person may conduct the following activities with the species listed in paragraphs (A) (1) to (A)(38) of this rule in a manner that does not result in the further spread of those species:

- (1) Dispose of the plant;
- (2) Controlling the plant; and
- (3) Using the plant for research or educational purposes pursuant to a compliance agreement issued by the department.

(E) The director of the Ohio department of agriculture or his authorized representative may seize, order removed from sale, or order destroyed any plant described in paragraph (A) of this rule which has been found in violation of paragraph (B) of this rule.

(F) The director may exempt a cultivar of any invasive plant species defined in paragraph (A) of this rule if scientific evidence is presented that the cultivar is not invasive.

Effective: 1/7/2018

Breeding Notes on *Steatocranus tinanti*

by Elsie Swanson



The genus name *Steatocranus* refers to a fatty deposit on forehead; therefore, the common name of "Buffalo Head" was given to these fish. The genus *Steatocranus* represents small rheophilic cichlids that prefer fast moving water to live in. They are found in the Congo River basin in shallow pits near turbulent water. There are several species in this genus, but only *Steatocranus tinanti* and *Steatocranus casuarius* are normally found in the aquarium trade.

The swim bladder, which controls buoyancy and allows most fish to swim and maintain their depth, is reduced in this genus. Because these fish live in turbulent waters, these reduced swim bladders keep them from being swept away. With that said, these fish scoot around the substrate and rocks on their pectoral fins. They can swim, but it takes a lot of effort, so they only do this in little bursts either to grab food or to chase away an annoying tankmate.

This species, as well as the rest of the *Steatocranus* species, are cave spawners. They form monoga-

mous relationships where both the male and female take part in the care of their fry; however, the male takes on more of the parenting role. The males reach about 5 inches with females maxing out around 4 inches. Both sexes are similar in color but can be sexed by the elongated dorsal on the males.

We acquired a group of wild caught *Steatocranus tinanti* as juveniles. They were very small, and they had a face that only a mother could love. Either they grew into their face or I just got use to them over time because "I think they are my favorite fish that I have ever owned."

We originally kept them in a 75-gallon tank with other juvenile cichlids of similar size—of about an inch long. They co-existed fine; however, most of the other species inhabited the middle of the tank, whereas these guys hopped around the bottom on their pectoral fins (recall the reduced swim bladder). We eventually moved the contents of the 75 gallon into a 125-gallon tank where they still co-exist. There are some Giant Danios and Denison Barbs housed with them, as well as some *Steatocranus casuarius*, *Neolamprologus leleupi*, and Electric Blue Acara, which are also spawning in the tank, and this proves that they can co-exist. At the time of spawning the tank was 80 degrees Fahrenheit,

with a PH of 7.0 and a hardness of 250 TDS. We use two corner matten filters and a bubble wall in this tank.

As mentioned, *S. tinanti* are monogamous breeders. Ours paired off into a cave sitting on the bottom of the tank, tightly placed amongst a bunch of large rocks. The male chased the female around, and he eventually coaxed her into the cave where she stayed for days. During this time the male took up territorial defense, not allowing any other fish to come near the cave. After 3 or 4 days, the female came out to grab food, as she came out the male sat at the entrance until she returned. Once the fry were free swimming, the female abandoned the cave and then the male stayed with the fry (approximately 50 in this spawn). He would allow them out of the cave during the day, keeping them within an inch or two of himself. He would scurry them back to the cave when he felt they were in danger. At night he would corral them back to the cave and then guard the entrance. As they approached 30 days old, they were well trained to stay in the crevice

of the rocks, come out to grab food, then quickly retreat to the crevice. Shortly after their new independence we noticed the male left them, to resume courting the female again.

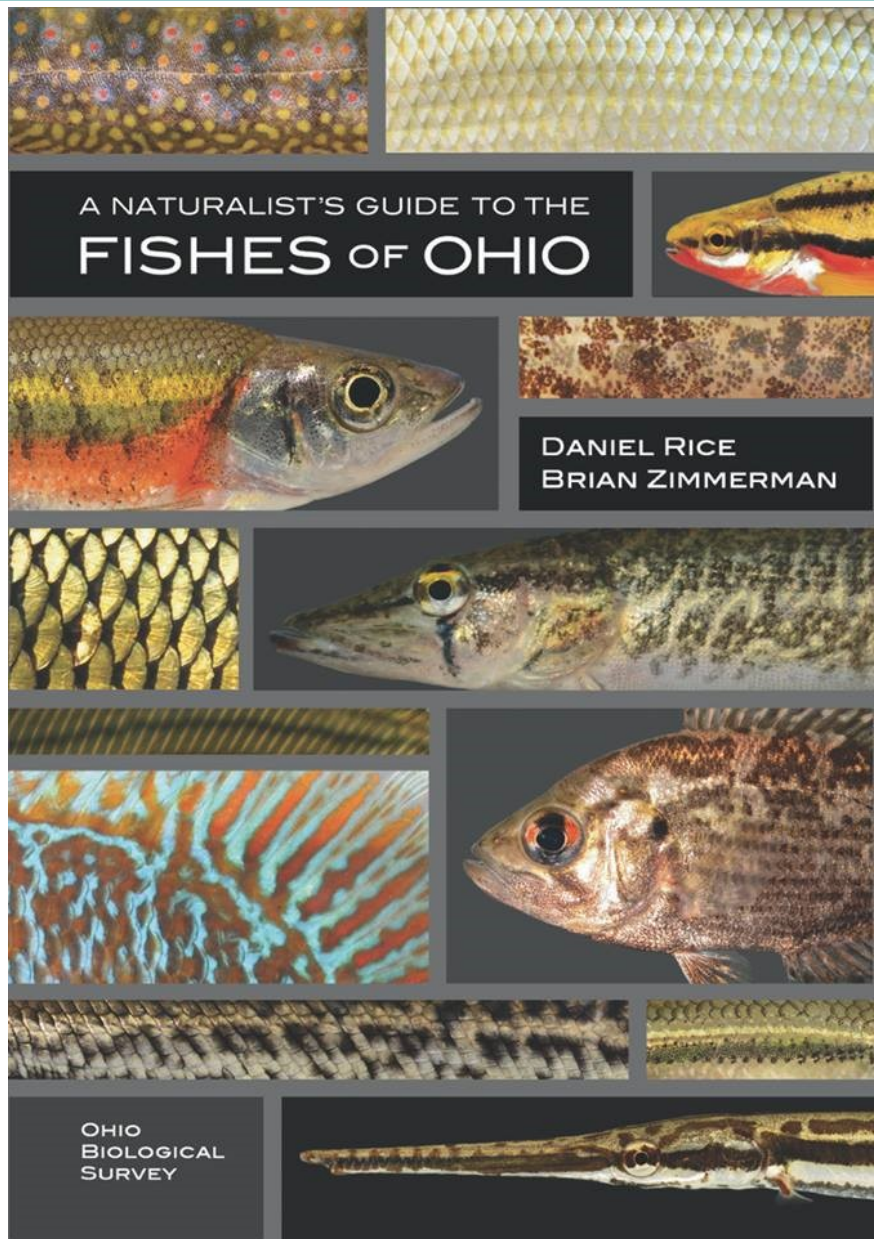


January Speaker Update:

The new book "A Naturalist's Guide to the Fishes of Ohio" by Dan Rice and Brian Zimmerman now available for pre-orders...

http://www.ohiobiologicalsurvey.org/pub_highlight/

A few more of Brian's photos:



RIFT LAKE AQUATICS

TROPICAL FISH, FRESHWATER & MARINE SUPPLIES and PREMIUM FISH FOODS

Jim Laco



6777 Engle Rd. Suite J
Cleveland OH 44130
(216) 215-1639

email: jim@riftlakeaquatics.net
www.shop.riftlakeaquatics.net

RMS AQUACULTURE
The Aquarium Super Store

Mon-Sat 11-8
Sunday 11-6

6629 Engle Rd.
Unit 108
Middleburg Hts., OH
(216) 433-1340

Since 1981

FISH CITY AND PETS

745-3059

Large Selection of:
TROPICAL FISH BIRDS
SMALL ANIMALS
REPTILES AMPHIBIANS
DOG & PET SUPPLIES

Tues-Fri 12-7 Sat: 10-6
196 2nd St., NW
(Downtown Barberton)

KEN'S FISH

HOME OF QUALITY TROPICAL FISH FOOD AND SUPPLIES



KEN MENARD (508) 823-4043
32 4TH Ave. Taunton, MA 02780
www.kensfish.com
KENM333@COMCAST.NET

The Greater Akron Aquarium Society

P.O. Box 494
Akron, OH 44309-0494

«firstname» «lastname»

«address»

«city», «state» «zip»

Meeting Notice - Do Not Delay

Meeting Notice

Friday, March 8

Program: "Fish of a Different Color." GAAS member and friend of the club, **Ray Hunziker**, has long been attracted to albino fishes as well as various fish species that sport melanistic, leucistic, and xanthic color variations. Ray's presentation will show beautiful examples of these color forms, and he will provide biologic insights to deepen your appreciation of these selectively breed varieties.

Bowl show: Fish Family; Fish Photography
Homemade Aquarium Decoration

Friday, February 12

Program: To be determined

Bowl show: Bettas;
Gouramis;
Non-Suckermouth Catfish

General meetings begin at 8:00 p.m. at the Ritchie Memorial Shelter House

Coming Events

Mar. 10 - 2019 Sunday –
starts at 11 am

**Youngstown Area Tropical
Fish Society – YATFS Fall
Auction** J.V. Johnson Com-
munity Center – 800 Gillmer
Rd. Leavittsburg, Oh 44430
www.yatfs.com

Mar. 17th 2019 Sunday -
starts at 11 am

**Columbus Area Fish Enth-
usiasts - CAFE spring auc-
tion**
Courtyard Columbus West –
2350 Westbelt Dr. Columbus,
Oh 43228
www.columbusfishclub.org

Mar 17th 2019 Sunday - starts
at 11 am

**Northeast Ohio Fish Club –
NEOfish Spring Auction**
Pipefitters Union Hall Local
120 – 6305 Halle Dr. Valley
View, Oh 44125
www.neo-fish.org

Mar 30th 2019 Saturdday -
starts at 11 am

**Greater Cincinnati Aquari-
um Society - GCAS spring
auction**
Harry T. Wilks Conference
Center Miami University –
Hamilton
1601 University Blvd. Hamil-
ton, Oh 45011
www.gcas.org