



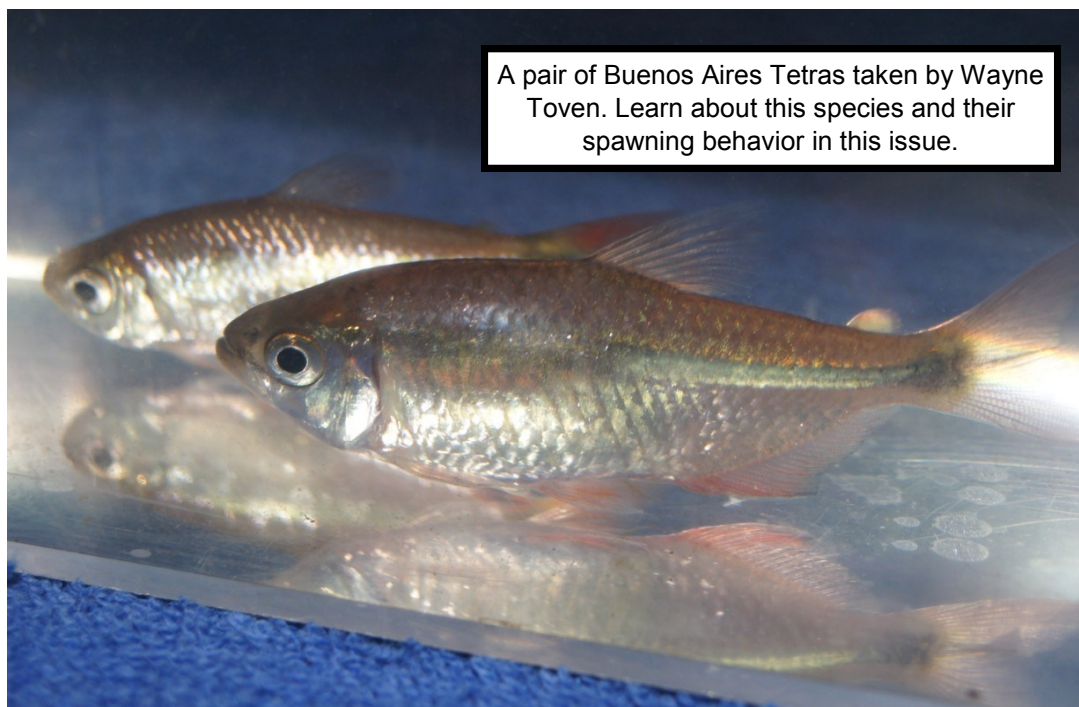
# The Greater Akron Aquarium Society

## Tank Topics

November/December 2013

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A pair of Buenos Aires Tetras taken by Wayne Toven. Learn about this species and their spawning behavior in this issue.

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### Important Dates for 2013

March 3  
Spring auction

July 13 & 14  
Ultra Aqua 2013

November 3  
Fall auction

Check out our website: [www.gaas-fish.net](http://www.gaas-fish.net)

## 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 first Thursday of each month at 8:00 p.m. at the Mogadore Community/Senior Center, 3857 Mogadore Road, Mogadore, Ohio. It is located East of Route 532 across from McDonald's in the former post office building. Visitors are always welcome, it costs absolutely nothing to attend a meeting and look us over.

**MEMBERSHIP:** The cost is only \$7.50 for adults, \$10 for 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 other that share your interests, a subscription to our bi-monthly magazine, library usage 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 and two copies of the publication containing the reprint are sent to GAAS. 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](mailto: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

☐ New ☐ Renewal  
☐ Electronic ☐ Mail

Adult (18 years and older)

1 year \$7.50

2 years \$12.00

Family

1 year \$10.00

(includes children under 10)

2 years \$15.00

Junior (10-17 years)

1 year \$5.00

2 years \$7.00

Dues Collected \_\_\_\_\_ Date Received \_\_\_\_\_



# President's Message

Page 3

Hello Folks,

Hope everyone is getting into the swing of the great holidays coming up, you know Thanksgiving and Christmas. I did use that bad word there didn't I? Well it is still Christmas around me and my house, so I hope you are planning on having a good time with your families.

Speaking of Christmas, we are working on the plans for the club's Christmas party and hope to have most of our activities as usual. Bill and Linda are working on the dinner main menu, but ask all of you members to bring in side dishes of your choice.

Just a reminder that we do have our Fall auction coming up Nov 3, so we need you to help with setup on Saturday at 7pm, and to help on Sunday the day of

the auction. Also bring in something to sell!

We are going to have to change the date for our show next summer, due to the fact that the ACA convention is being held on our usual date and it is in Cincinnati, Ohio, so it would be close enough to conflict with our show. We are looking into what dates are available at the hall, more on this later.

Now something personal from me, I am getting married again Nov 10 and my new bride is allergic to cats. I have 2 cats that my wife had before she passed away, I need to find a good home for them. They are Black and white and very affectionate, if you would like them or know someone who would, please let me know, email me [bwhite@neo.rr.com](mailto:bwhite@neo.rr.com) or call me 330 848 3856.

**See ya soon**



**Bud White**



# Editor's Message

**Dave Williamson**

Here we are again, Halloween is a couple of days away and Thanksgiving is up next. And that means two things: The Fall Auction is near (you'll find a full ad for it on the last page of this publication) and our annual elections at the November meeting. I know what you're thinking . . . You've heard this all before: blah blah blah we need help at the auction, blah blah think about running for an office blah blah blah! OK, I get it, but it's true and you all know it, so save me the effort of listing everything and just show up willing to help. It's that simple, the more help we get, the easier and more enjoyable it is for everyone. As far as the elections go, a volunteer organization is only as healthy as the membership that's willing to put the time in to running it. This club has been in existence for more than 60 years and over that time a lot of things have changed in our hobby and our job as officers of the club is to help adapt the club to the changing world and ensure it's long term survival. How does this happen? It requires the input of different people with different histories and ideas. Now that doesn't

mean we have to completely re-invent the wheel, we get good attendance at our auctions, it's all about coming up the new ideas that will help us build on what we have. Where do we get new ideas? Yeah, we can sit around and brainstorm and do poster boards like those lame meetings we've all attended at work or we can listen to a fresh voice. And that voice could be yours, think about it.

Now I've come to a common occurrence, it's time to beg for articles. You see, I've used the last that I had in reserve for this issue. If we want new, locally produced content for the coming year that requires you and me (all of us) to produce that content. I take great pride in the fact that we don't have to rely on reprint articles to fill our publication like some of the club bulletins I've seen. Now there's nothing wrong with using a really good one now and then because we want to share information. It's all about letting others know about what works (or doesn't for that matter) for you. Something else to think about!

OK, the last thing I'm going to blather



about is next year (that's what we do at the end of the year!) But anyway it looks like we're going to have to move our show date to not compete with the ACA convention. More on this a little later.

I'll see you at the meeting and the Fall Auction!





## BAP/HAP Report

Wayne Toven

Where did it go, is summer gone already, did I fall asleep or what? It's the second week of October, fall auctions have started, and the nighttime temperatures are dipping into the 40 degree range. I have had to bring in all my fish from the outdoor 110 gallon tubs, and even some plants that are not able to withstand the temperatures we have been getting down to at night. Most of the tubs have provided more fish than I put in them a mere 4 months ago, while a few have had less. I had two new *Poecilia* species, one new native specie, and one new Danio specie spawn in the tubs over the summer, so I have been able to turn in four spawns for the Breeder Award Program in the past two months. I closed the gap on the leader but with the auction coming up in less than a month I don't know if I will be able to catch up. With all the fall auctions which have already started, there will be plenty of opportunities to acquire new fish, whether fry or juveniles or breeder pairs or groups, there is a lot of species out there. Speaking of the auction, ours is the first Sunday in November, the 3<sup>rd</sup>, you can turn in spawns for the BAP, and plants for the HAP there, and at the monthly meeting which will be the first Thursday of the month. We had an upswing in spawns turned in at the meetings in October with a grand total of seven spawns, there is only one chance left to add to this years BAP and HAP totals and that is next month. I tally up the totals and at the December meeting / Christmas party the Breeder of the Year and Horticulturist of the Year plaques will be presented to the winners. We have more members participating this year than last year, and we passed last years totals already, now we just need to add more to this years totals.



### September 2013

#### BAP

Species	Common name	Class	Points
David Girard			
<i>Ancistrus temminckii</i>	Albino bristlenose pleco	Catfish	20
Wayne Toven			
<i>Devario sondhii</i>	Fire line Danio	Barbs etc	5

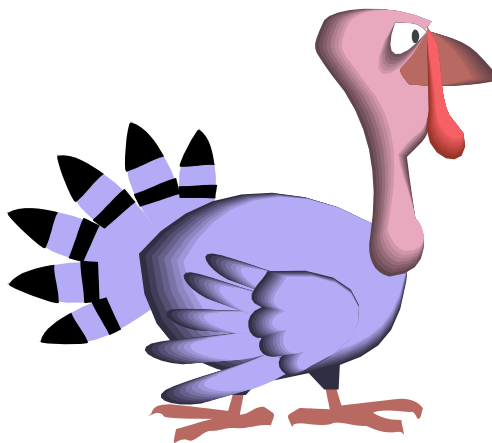
#### HAP

Phil & Tiffany Hypes			
<i>Echinodoras sp.</i>	"Atlansberg" sword plant	vegetative	15
<i>Echinodoras sp.</i>	"Kleiner Prinz" sword plant	vegetative	15
Dave Williamson			
<i>Eleocharis montevidensis</i>	Spike rush	vegetative	10
<i>Eleocharis montevidensis</i>	Spike rush	flowering	10

### October 2013

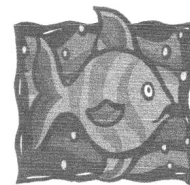
David Girard			
<i>Phallichthys amates amates</i>	Merry widow	Livebearer	5
Phil & Tiffany Hypes			
<i>Pethia conchonius</i>	Red glass barb	Barbs etc	10
<i>Oryzias woworae</i>	Neon rice fish	A.O. species	5
Dan McMonigle			
<i>Ancistrus sp.</i>	Red marble bristlenose	Catfish	20
Wayne Toven			
<i>Poecilia orri</i>	Mangrove molly	Livebearer	5
<i>Poecilia petenensis</i>	Lake Peten molly	Livebearer	5
<i>Joranelia floridae</i>	Florida flag fish	Native	10

2013 Standing Totals	BAP	Points	HAP	Points
Joe Reich	8	65	-	-
Wayne Toven	7	50	2	10
David Girard	5	30	-	-
Rich Serva	5	30	-	-
Phil & Tiffay Hypes	2	15	8	110
Dan McMonigle	2	25	2	25
Dave Williamson	2	15	4	40
Steve Brunn	1	10	-	-
Jeff Plazak	1	5	-	-
Don Youngkin	1	15	-	-



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# Bowl Show & Special Activities

Don Youngkin



With one more bowl show for this year, Wayne is still leading in points. Welcome to new participant Nicole Youngkin. All are invited to join the fun and bring in entries.

## September

### Gouramis & Anabantoids

- 1<sup>st</sup> – Jeff Plazak - Gourami  
2<sup>nd</sup> – Jeff Plazak - Gourami  
3<sup>rd</sup> – Jeff Plazak - Gourami

### Sharks & Loaches

– no entries

### Photography

- 1<sup>st</sup> – Dave Williamson - Harlequin Shrimp  
2<sup>nd</sup> – Wayne Toven - Loach  
3<sup>rd</sup> – Dave Williamson - Sunfish

## October

### Arts & Crafts

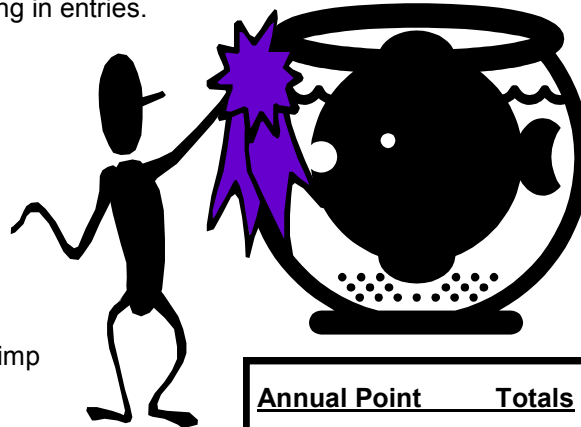
- 1<sup>st</sup> – Nicole Youngkin - Metal Fish Sculpture

### Marine Fish

1<sup>st</sup> – no entries

### AO Old World Cichlids

- 1<sup>st</sup> – Wayne Toven - Staetocranus Tinanti  
2<sup>nd</sup> – Wayne Toven - Anomalochromis Thomas



Annual Point	Totals
Wayne Toven	115
Jeff Plazak	81
Dave Williamson	13
Don Youngkin	7
Todd Zettler	5
Nicole Youngkin	5
Dan McMonigle	3

## How the Point System works:

- 1st - 4 points  
2nd - 2 points  
3rd - 1 point  
1 point per entry,  
maximum 12 points per class

## 2013 Bowl Show Schedule

### January:

Goldfish, Male Guppies,  
Minnows Danios &  
Rasboras

### February:

Suckermouth Catfish,  
Swordtails, Characins

### March:

Barbs, Mollies,  
Corydoras Aspidoras &  
Brochis

### April:

Female Guppies, Platies,  
Aquatic Invertebrates

### May:

Goodeids, Rift Lake  
Cichlids, Aquatic Plants

### June:

Native Fish, Rainbowfish,  
Male Betta splendens

### July:

Synodontis Catfish,  
Killifish,  
Angelfish & Discus

### August:

AO New World Cichlids,  
Amphibians,  
Bog Plants

### September:

Gouramis & Anabantoids,  
Sharks & Loaches,  
Photography

### October:

Arts & Crafts, Marine Fish,  
All Other Old World  
Cichlids

### November:

All Other Livebearers,  
All Other Egglayers,  
All Other Catfish



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# Exchange Report

Wayne Toven



The idea here is for me to go through other fish club's publications, that our club exchanges with, and look for original, informative articles that have to do with keeping and/or breeding fish species, equipment, fish room setups, live foods, plants, or anything else hobby related. I will list them below and if you would like to read any of them let me know and I will get a copy of the article to you, either via email or a hard copy at one of our monthly meetings.

There was a reprint in the **Eastern Iowa Aquarium Society's** – Sept. 2013 Fin Flap of Phil Hype's article *Spawning Leopard Frog Pleco, Pekoltia compta L-134*.

**Hamilton & District Aquarium Society:** Sept. 2013

*Spawning Melanotaenia maccullochi 'Skull Creek'*, by Charles Drew

*Aulonocara walteri*, by Larry Johnson

*The Water Sprite Family*, by Vita Lucas

**St. Catharines & Area Aquarium Society,** The Scat: Sept 2013

*Mother May I, Breeding a Wild Swordtail*, by Tom & Pat Bridges

*Tanichthys albonubes – the White Cloud Mountain Minnow*, by Dave Furness

**Missouri Aquarium Society Inc.**

The Darter: Sept/Oct 2013

*Take Time to Smell the Calas – Crinum calamistratum Blooming, Seeds, & Seedlings*, by Gary Lange

**Kitchener – Waterloo Aquarium Society,** Fins & Tales: Sept 2013

*Out of Africa – Lamprologus speciosus & Lamprologus stappersi*, by Ed Koerner

*Living With Livebearers – Skiffia multipunctatus & Characodon lateralis*, by Ed Koerner

**Greater Detroit Aquarium Society,** Tropic Tank Talk: Sept 2013

*Popular Aquarium Fish Wreak Havoc in Aquatic Ecosystems Worldwide After People Set Them Free*, by Richard C. Griffiths

**Greater Pittsburgh Aquarium Society Inc.** Finformation: Sept 2013

*Raising and Spawning Tropical Fish – Part 2*, by Stan Chechak

**Kitchener – Waterloo Aquarium Society,** Fins & Tales: Oct 2013

*Apple Snails – All Snails Are Not Created Equally*, by Pamela Danyluck

*Living With Livebearers – Ataeniobus toweri & Zoogoneticus tequila*, by Ed Koerner

*Out of Africa – Telmatochromis dhonti*, by Ed Koerner

**Hamilton & District Aquarium Society:** Oct 2013

*Grindal Worm Cultures*, by Charles Drew

*Copadochromis azureus 'Mbenji'*, by Larry Johnson

**Pacific Coast Cichlid Association,** Cichlidae Communique: Sept/Oct 2013

*Setting Up a Nicaraguan Lake Biotope Aquarium*, by Daniel Spielman

**Greater Detroit Aquarium Society,** Tropic Tank Talk: Oct 2013



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# Bristol Shubunkins

Carolyn Hanlon

I have loved Bristol Shubunkins since I first saw the show Bristol owned by Ernie Scafuri of Michigan in the 1970s. He used to drive down from Michigan and show at Greater Akron Aquarium Society's show and auction every year, and every year it got bigger and more beautiful. The last time I saw the fish before Ernie quit coming down, it was about a foot long, and absolutely spectacular.

I always kept a few goldfish in my fish room. I had a gorgeous red and white long-fin

Ryukin, a calico pearl scale, various comets, and any fish I thought was pretty over the years. Fast forward to about 3 years ago when Dan Young (of the IBC) had some ranchu babies at an IBC convention, and I

was intrigued. My interest in fish has always been in breeding and raising fry. I got more interested in goldfish, and I thought about what I really liked in goldfish, and I remembered Bristols. I joined Site for Goldfish Keepers, and then typed in Bristol Shubunkins and found Rain Garden Goldfish. Success! A large choice, and all beautiful! I ordered 4 adult breeders, and have never looked back. They spawned right away, and I have been very happy. I found the web sites for the British aquarium groups, and Gary Hater's article last year on Site for Goldfish Keepers was very helpful for understanding where the occasional doubletail and moor-type eye came from. Dave's (Bluebelly) article on color (same site) was also extremely help-

ful.

I keep my adult breeders outside in 40 gallon stock tanks for the summer, and I winter them in my horse barn in 30 and 40 gallon tubs with heaters set as low as possible (and undersized) so the tubs will stay about 40 degrees and the fish will hibernate. The main problem I have had has been with summer heat killing one or two of my breeders every year. I made a framework with chick-



en wire and attached burlap to it for shading, added aeration, used window screening, and all of these have been ineffective. This year I plan after Akron's show this weekend (July 13-14) to move my breeders down to the barn till September, then bring them back up till November and they will hopefully survive. I will then take them back down for the winter. I have 8 wonderful adults this year.

They usually spawn early in the morning every week to 10 days once they start spawning in the spring, and go for about 6 weeks before they quit for the year.

I pull the mops and hatch my babies

in 4 gallon sweater boxes till they are two weeks old, then move them to 18 gallon tubs till about 4 to 6 weeks old and then cull. I pull doubletails and moor eyes as soon as noticed, and pinky matts.

This year when my "big mommas" are about 3 or 4 years old, I have gotten the best quality fry ever. The "big mommas" are each with two males. I "mixed and matched" the males this year - the biggest female with the two smallest males - to try to equalize the bioload in each stock tank. For whatever reason, it worked. I don't remember if these females have ever been with the same males, but I hope I remember who was with who for next year - the

match-up is great! I have had no doubletails or moor eyes, and only few true pinky matts. I do have a fair number light-bodied with a lot of blue but minimal orange-red, with black striping in the tails. I feed native daphnia, hikari first bites, Hikari micro pellets, Hikari miniwafers,

Hikari Saki purple, Hikari Blue, Hikari Green, Omega One pellets, brine shrimp pellets, freeze-dried bloodworms, Ocean Nutrition cichlid vegetable pellets, Ocean Nutrition Formula II pellets (marine vegetable food), and anything else I think they might like. I try to do 50% water changes every other day to every 3rd day on my 40 gallon stock tanks.

I am very happy with my Bristols, and am auctioning 20 babies this weekend. I tried to select only about 10, and ended up keeping 15 that are too nice to let go. There will be some more sold and the goldfish show in August. I am hoping more people start breeding these lovely fish.

# My First Tetra Spawn, Without Really Trying

Wayne Toven



This is something new for me; I've kept a few different tetras in the past but never tried to spawn them. If only I had known how easy it was, I would have tried sooner. Recently at an early summer fish club auction, I bid on a spawning group of 5 Buenos Aires tetras, and I got them surprisingly cheap, possibly because it was a cichlid club auction, so you can get fish other than cichlids, that is why I go to so many of them.

The species was first described in 1907 by C. H. Eigermann and given the name *Hemigrammus anasitsi*. They were described again in 1923 by E. Ahl and named *Hemigrammus caudovittatus* and again in 1928 by E. Ahl and named *Hyphessobrycon erythrus* as he considered them to be a different species. But in 1989 L. R. Malabara re-assigned them to the genus *Hyphessobrycon* and given the name *H. anisitsi*, which is what they are known as today. No matter what they are called, they originally came from the Buenos Aires region of Argentina on the southeastern coastline of South America. Their natural range is from the Rio de la Plata, the Rio Parana basin in Brazil, Paraguay, & Argentina, and the Rio Uruguay basin in Brazil. In these areas they inhabit streams, small rivers, lakes, and ponds. This area is about the same distance from the equator as Los Angeles, Ca. and Charlotte, N.C. so Buenos Aires tetras are able to tolerate lower temperatures, than

most other tetras which come from the tropics.

In the home aquarium they are very tolerant when it comes to water parameters, and can be maintained at temperatures ranging from 60 – 86 degrees F, in either hard or soft water, and at a Ph ranging from 6 – 8. B.A. tetras are active, peaceful, hardy, long lived, schooling fish that should be kept in groups of 5 or more. They should only be housed in a dimly lit aquarium with adequate swimming room, a sand substrate, rocks, driftwood and plastic plants, as they will eat live plants. Tank mates should be similar sized tetras, rainbow fish, larger rasboras, barbs, and bottom dwellers such as botias and loricariids, but they can also be

used as dither fish for non aggressive cichlids.

Buenos Aires tetras females can grow to almost three inches, males just a little bit smaller and slimmer in the body. Coloration is the same in both sexes, silvery body, with a narrow bluish line that starts behind the gill and ends at the caudal fin, where there is a diamond shaped black spot, and a little bit of red at the top of the eye. The fins are a red – orange, and are more brightly colored on the males. Some color variations have been bred, from albino to ones with yellow fins and tail. Of my group of two females and three males, four were normal coloration and one male was of the yellow fin variety.

When I brought them home from the auction, I had no empty tanks in the fish room, but being early June the water was warm enough in my 110 gallon outdoor tubs behind the garage, and they were just waiting for fish to be moved into them. So the Buenos Aires tetras went in one, the *Melanotaenia praecox* rainbows went in one, the *Brochis splendens* went in one, and some of the other fish I bought that day went into others. The tubs had water lilies, irises, other marginals and an abundance of hornwort in them that was growing well. The tubs are unfiltered except by the plants, I don't do water changes on them I just top them off with fresh water when needed, and they get approximately 9 – 10 hours of direct sunlight, so the plants do quite well.





Being omnivorous they will eat a wide variety of foods, like I said before they will eat live plants, so the hornwort will be like a continually open buffet, but I did feed them flake food once a day to supplement whatever Mother Nature provided them, probably mostly mosquito larvae. If maintained in an aquarium and live plants are not present a good quality spirulina based flake should be provided along with live and frozen foods like blood worms, brine shrimp, or daphnia, and small floating pellets.

As for breeding B. A. tetras they are egg scatterers, so mine probably used the hornwort. They will however eat the eggs and the fry if given the chance, which is probably why I only got 13 fry from them all summer. For spawning in aquariums use a fine leaf plant like hornwort or Java moss, or use yarn spawning mops, or a mesh with holes large enough for the eggs to fall through can be placed over a gravel substrate. They can be spawned in groups or in pairs. For pairs spawning separate males and females to separate conditioning tanks and feed them well, when females are obviously plump and full of eggs pick the plumpest female and the most colorful male, and put them together in the spawning tank in the evening, and they should spawn early the next morning. Keep an eye on them, when the female is thin again remove the pair as they will eat the eggs. The eggs will hatch in 24 – 36



hours, and the fry will be free swimming in 3 – 4 days. Infusoria type food needs to be fed for the first few days, when the fry are large enough microworms, baby brine shrimp, and crushed flake food can be used. The fry grow relatively fast, at least mine did, the ones that survived, probably because of the constant food supply. As usually happens in my fish room once a spawn is submitted for our Breeder Award Program, the breeder group and remaining juveniles are moved on to someone else through a club auction, unless they are something special, to make room for other fish. Since these were so easy to

spawn outdoors, I will more than likely be trying some other tetras or barbs or rainbows or something this summer.

Source:

Baensch Aquarium Atlas: Dr. Rudiger Riehl & Hans A. Baensch

Buenos Aires tetra fact sheet: Voices: Yahoo.com

Buenos Aires tetras: About.com

Tropicalfishkeeping.com

## Do You Remember????

### Meghan & Paul Naxer

We moved to Eugene, OR two years ago in order to attend school: Meghan is pursuing a PhD in music theory and Paul just finished a Master's degree in Library Science. Since moving to OR, we are now car-free and active in our local bike community. Due to the large, cross-country move, we were not able to transport our tank. We found a lovely family in PA and our fish have a great home there now. A few days ago we started talking about setting up a new freshwater tank here on the west coast and getting involved with a local aquarium society in Portland. We miss the group and especially those awesome auctions! We send our greetings to everyone in GAAS and hope all is well in Akron!

*Meghan & Paul Naxer*

If you want to send them an email: [mnaxer@gmail.com](mailto:mnaxer@gmail.com) and [pnaxer@gmail.com](mailto:pnaxer@gmail.com)

## The Greater Akron Aquarium Society

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

Meeting Notice - Do Not Delay

# Meeting Notice

## Thursday, November 7

**Program:** Annual elections and "*Why are cichlids so mean?*" Professor Ron Oldfield from Case Western University explains cichlid behavior. If you ever wondered why cichlids are so mean, there are biological reasons for it. Ron will explain the survival and other advantages of cichlid aggression.

**Bowl Show:** All Other Livebearers,  
All Other Egglayers, All Other Catfish

## Thursday, December 5

**Program:** This is a party, with award presentations for members who have participated in club activities during the year. No speaker, no bowl show, or other committees except refreshments and awards. No raffle tickets sold, turn in your old losing 2013 raffle tickets for new ones. Food, fun, fish talk, and what better time for gifts? And there will likely be a door prize or two for every member. Don't miss it!

All general meetings begin at 8:00 p.m. at the Mogadore Community/Senior Center

## Coming Events



### GAAS Fall Auction

November 3, 2013

**Tallmadge Community Center**  
80 Community Rd. Tallmadge, Ohio  
Registration: 10, Auction begins at 11

#### For more information:

Bud White (330) 848-3856 (bwhite@neo.rr.com)  
Wayne Toven (330) 256-7836 (wtoven@hotmail.com)  
Rich Serva (330) 650-4613 (rjserva@gmail.com)



**November 9, 2013 - Motor City Aquarium Society - Fall Auction**  
Madison Place, 876 Horace Brown Dr., Madison Heights, Michigan. Registration 9:00 to 10:30, auction starts at 10:30. For more information:  
[www.motorcityaquariumsociety.com](http://www.motorcityaquariumsociety.com)

**November 22-24 2013**  
**Ohio Cichlid Association's Extravaganza**  
at the Strongsville Holiday Inn at Rt. 71 & 82 in Strongsville  
Contact: Rhonda Sorensen (216) 398-8966 or visit [www.ohiocichlid.com](http://www.ohiocichlid.com).