



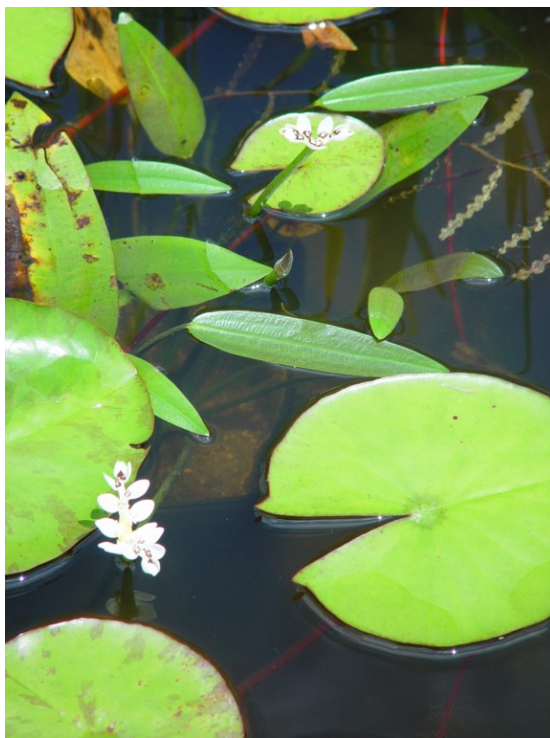
The Greater Akron Aquarium Society

Tank Topics

June/July 2010

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This issue's cover photos are just a couple of pretty pond plant shots taken by Wayne Toven and Dave Williamson. They really doesn't have anything to do with any of the articles inside, although there is a pond set-up article in there by Orin McMonigle. It just seemed like we needed a "pond theme" due to the time of the year. Think about getting outside and getting wet!



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Important Dates for 2010

March 7
Spring auction

July 10 & 11
Ultra Aqua 2010

November 7
Fall auction

Check out our website: 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 equipment and book raffles.

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.

LIBRARY: At the library table are a number of books and other publications covering all areas of the aquarium hobby. Members may borrow the books for a month at a time. Also each month several books are raffled off.

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 G_A_A_S@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:

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Adult (18 years and older)	1 year	\$7.50
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Junior (10-17 years)	1 year	\$5.00
	2 years	\$7.00

Dues Collected _____ Date Received _____

President's Message

Well folks it's a really nice day as I write this and I hope we get many more of them

First of all I would like to announce that we are going to host the American Livebearer Association Convention next year. There will more information about this as we get the details worked out. This will be a fun time, but it is a lot of work. So if you are thinking you need something to do next year, talk to Rich or me and let us know if you would be available to help.

The plans for Ultra Aqua 2010 are well on the way. We

have confirmation from several vendors that they will attend and setup shop at the show. We will be having Cory Fry with his great plants. Scott from Amazon Tropicals, he brings some of the most hard to get fish. Rob and Amy from Columbus, they have fish and reptiles. A member named Jen who runs a bird rescue and maybe Stephan Tanner who has that great sponge material. So plan to be there and check out all of the neat stuff, plan to buy some also.

Our speaker last month was Doug Sweet, he gave a talk on

how they raise game fish. Man I wish I had the constant water flowing through my tanks like they do. Constant clean water flowing 24 hours 7 days a week! A lot of water there, but they do raise a lot of fish. It was very interesting talk.

We did buy a new camera for the historian so we should be seeing some new pictures in the magazine and on the website. Maybe even a good one of me, but then any picture of me is good (GRIN).

Just a reminder don't forget to take care of the fish as the weather gets nice and you spend more time outside, they still need fed and water changes done.

See you at the meeting,



Bud White

Editor's Message



Here we are again, the "Spring Fever" issue of Tank Topics as I like to call it. For me it's usually the toughest one of the year to get done and out on time. Often I get side tracked with outdoor things like yard work (yecch!) or more pleasurable endeavors like vacations (not happening any time soon!). But anyway, thankfully this year I was able to keep my focus together and get it done in a timely fashion. That includes a big thank you to the board members who have reports in Tank Topics, I didn't have to wait for or remind anyone this time. I really enjoyed that!

One of the main reasons I

think I was able to "Git-R-Done" (sorry, I just had to use that!) this time was the fact that I'm going to not be home much over the Memorial Day weekend this year. That is due to the fact that the American Killifish Association is having their annual convention right up the road in Cleveland this year. When it is that close, there is no way I'm going to miss it. And besides that, I am a member of the local affiliate club that is hosting it so I should be there to help out. Specialty clubs national conventions are great to check out even if you're not really into that family of fish because you'll see things (and have the opportunity to buy them too!) that you'll likely never see in your local aquarium shop or even at an all species fish show. Who knows, picking up something at one of these functions might just turn you into a wannabe specialist! This is leading into the next idea that

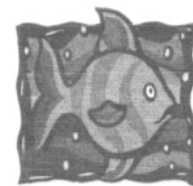
you may have already read else where in this issues that we (meaning GAAS) are the hosts for next year's American Livebearer Association's Convention. We will be holding it at the same facility that the AKA will be at this year (the Sheraton at Cleveland Hopkins Airport) so it would be a good time to come up and check out the lay-out so we know what we'll be doing next April.

OK, enough about conventions already! We have a much more pressing issue coming up before then, our own Ultra-Aqua show on July 10 & 11! Now is the time to think about preparing fish for the show by separating them and pumping up the feeding and water changes to get them into their best condition. Think about it, showing fish off that you've raised to others can be a lot of fun.

I'll see you at the Meeting!

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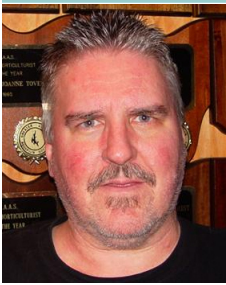
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BAP/HAP Report

Wayne Toven

Hope everyone had a happy "Cinco de Mayo", our monthly meeting was the day after, so we just missed it. Summer will be here soon; just wish the weather would warm up a little more, the ponds and tubs are still too cold to get the fish outdoors. The pond plants however are growing like weeds, but then again some of them are actually weeds. Then before we know it our annual show **Ultra – Aqua 2010** will be upon us, luckily all the sponsorships for the classes are spoken for, and thanks to everyone that is supporting us. Back to the business at hand, April was a good month for HAP submissions, and now May saw an exceptional number of spawns turned in, a grand total of 15, from 8 individual members. This is the highest total at this time of year that I have seen since I have been chairman of the BAP/HAP. Let's keep this momentum going and see if we can get a record number of spawns for the year, as we are only half way through it. For our Horticultural Award Program we had a members reach the level of **Senior Aquatic Horticulturist**, they are **Phil & Tiffany Hypes**, congratulations!! Speaking of **Phil & Tiffany Hypes**, they also achieved the honor of **Master Breeder of Livebearers**, by breeding 5 species of livebearers, again congratulations, now they have to start on a specialty plaque which requires breeding of 15 species. Another member will receive the honor of **Master Breeder of Cichlids**, which required breeding 5 species of mouth brooders and 4 species of substrate spawners, this honor goes to **Joe Reich**, congratulations Joe!! Our first members to teach 10 spawns for the year are **Phil & Tiffany Hypes**; they

will be awarded a 16 oz. can of brine shrimp eggs at the next meeting. A few more members are closing in on 10 spawns, keep working. The spring auctions are over with now, but soon the summer auctions will begin, wow the time is flying by.

April 2010

Species	Common name	Class	Points
BAP			
Phil & Tiffany Hypes			
<i>Pseudotropheus saulosi</i>		Cichlid m.b.	15
<i>Julidochromis ornatus</i>		Cichlid s.s.	15
Bob Miller			
<i>Labidochromis caeruleus</i>	Electric yellow	Cichlid m.b.	15
<i>Ilyodon whitei</i>		Livebearer	10
Frank Mueller			
<i>Julidochromis marlieri</i>		Cichlid s.s.	15
<i>Neolamprologus brichardi</i>		Cichlid s.s.	15

HAP

Frank Mueller			
<i>Vallisneria sp.</i>	Currituck val	A-vegetative	5
<i>Vallisneria americana</i>	American val.	A-vegetative	5
<i>Microsorium pteropus</i>	var. windelov	D-vegetative	20
<i>Microsorium pteropus</i>	var. narrow leaf	D-vegetative	20
<i>Microsorium pteropus</i>	Java fern	D-vegetative	20
<i>Anubias barteri</i>		D-vegetative	20
<i>Anubias barteri</i>		E-flowering	20
<i>Vesicularia dubyana</i>	Java moss	B-vegetative	10
<i>Cryptocoryne affinis</i>		C-vegetative	15
<i>Lemna minor</i>	duckweed	A-vegetative	5

May 2010

BAP

Miranda Boerema			
<i>Poecilia reticulata</i>	Guppies	Livebearer	5
Alex Drungil			
<i>Poecilia wingei</i>	Endler's livebearer	Livebearer	5
Phil & Tiffany Hypes			
<i>Ilyodon whitei</i>		Livebearer	10
<i>Lymnaea stagnalis</i>	Pond snail	Aquatic animal	5
<i>Planorbis corneus</i>	Red ramshorn snail	Aquatic animal	5
Dan McMonigle			
<i>Poecilia wingei</i>	Endler's livebearer	Livebearer	5
<i>Pelvicachromis pulcher</i>	Red kribensis	Cichlid s.s.	15
Joe Reich			
<i>Pseudotropheus acei</i>	Yellow tail acei	Cichlid m.b.	15
<i>Limia vittata</i>	Cuban Limia	Livebearer	5
<i>Paracyprichromis nigripinnis</i>	Neon blue	Cichlid m.b.	15
<i>Cryptoheros cutteri</i>	Cutter's cichlid	Cichlid s.s.	5
<i>Geosesarma sp. Celebes</i>	Vampire crab	Aquatic animal	15
<i>Ameca splendens</i>	Butterfly goodeid	Livebearer	10
Bill Schake			
<i>Xenotaenia resolanae</i>	Leopard goodeid	Livebearer	10
Dave Williamson			
<i>Capoeta semifasciolatus</i>	Gold barb	Barb etc.	10

HAP

Phil & Tiffany Hypes			
<i>Anubias minima</i>		E-flowering	20
Rich Serva			
<i>Hygrophilla croymbosa</i>	var. Kompakt	A-vegetative	5



Exchange Report

Wayne Toven



I read many articles from club publications across North America, listed below are original articles by club members that are worth reading. You can gain information on keeping and breeding certain species of fish, aquatic animals, tips on aquarium related items, and all kinds of other valuable information. If you see something you might like to read, let me know and I will get a copy of it to you, either via email or a hard copy at a monthly meeting.

Greater Detroit Aquarium Society,

Tropic Tank Talk: **Mar 2010**

Corydoras similis – *Smudge Spot Cory*, by Carl Krajniak

The Simplicity of Producing Green Water from Your Daphnia ssp. or Fry, by Elmer Morehouse

Apr 2010

Hyphessobrycon elachys “*Vielfin Tetra*”, by Lou Sandberg

Aquarium Club of Lancaster County,

Tank Tales: **Apr 2010**

Breeding Pseudotropheus lombardoi, by Matt Shaffer

A Visit to the World's Largest Aquarium, by Joel & Robin Antkowiak

The Gawky but Graceful Airplane Fish, by Bob Bock

Circle City Aquarium Club,

Fancy Fins: **Apr 2010**

Breeding the Clown Killifish – Pseudoeuplatys annulatus in an Aquarium Setup, by Roger L. Sieloff

Keeping and Breeding Crystal Red Shrimp, by Mike Matthews

Characodon audax, by Charlie Grimes

Eastern Iowa Aquarium Society,

Fin Flap: **May 2010**

Sterbai Catfish, by Dennis & Carol Sinselar

Greater Pittsburgh Aquarium Society

Inc. Finformation: **Mar 2010**

Paracyprichromis nigripinnis, by Roberto Prati

Apr 2010

Puntius ticto (Odessa Barb), by Stan Chechak

Rivulus sp. Pan 2006-24, by Regina Spotti

Greater Cincinnati Aquarium Society,

Fincinnati: **May/June 2010**

Neolamprologus helianthus, by Todd Leising

Hamilton & District Aquarium Soc.:

Apr 2010

Spawning the L-071 Pleco, by Charles Drew

Kitchener – Waterloo Aquarium Soc.,

Fins & Tales: **Apr 2010**

Adventures in DIY – River Tank, by Ryan Barton

May 2010

PlantEd Tank: the Cover, by Ed Koerner

Michiana Aquarium Society, Michiana

Tropical Times: **Mar 2010**

Two by Two by Two (fry raising), by Dave Hemmerlein

Micropoecilia picta, by Matt Bielski

Gambusia regani, by Matt Bielski

Apr 2010

Melanotaenia eachamensis, by Bud Rambow

Nassau County Aquarium Society,

Pisces Press: **May 2010**

My Kribensis Spawning: Unlikely Tail of Survival, by Artie Mayer

Water Quality, the Secret of Professionals, by Jules Birnbaum

Pacific Coast Cichlid Association,

Cichlidae Communique: **Mar/Apr 2010**

Nannacara anomala – the Golden Eyed Dwarf Cichlid, by Daniel Spielman

Cryptoheros sajica – the T-bar Cichlid, by Daniel Spielman

Sarnia Aquarium Society, Aqua An-

tics: **Mar 2010**

My Experience with Neolamprologus signatus, by Peter Melady

What Do You Feed Your Fish? By Jack VanderAa

Apr 2010

Cryptoheros cutteri, by Peter Melady

Spawning Telmatochromis temporalis, by Wayne Cole

How Big is That Aquarium? By Jack VanderAa

May 2010

Melanotaenia Irianjaya, by Lisa Boorman

St. Catharines & Area Aquarium Society, the Scat: **May 2010**

Diamond Tetra (Moenkhausia pittieri), by Dave Furness

2010 Spawn & Point Totals	BAP	Points	HAP	Points
Phil & Tiffany Hypes	10	100	1	20
Joe Reich	9	110	-	-
Wayne Toven	7	60	-	-
Dave Williamson	6	55	-	-
Bruce Fraley	5	50	-	-
Dan McMonigle	5	45	-	-
Ron Drungil	3	25	-	-
Rich Serva	3	20	1	5
Bob Miller	2	25	-	-
Frank Mueller	2	30	10	140
Miranda Boerema	1	5	-	-
Alex Drungil	1	5	-	-
Bill Schake	1	10	-	-
Denny Bechter	-	-	1	10
Nick Rezac	-	-	1	15

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Bowl Show & Special Activities

Ken McGill

Hey Folks! We've had some really great turn-out for the bowl show lately. Jeff is really building a big lead with 70 points, but remember there are 36 points available each month, 12 in each class. Remember: you get a participation point for up to 5 (qualified) fish per class just for bringing them because we know it takes a little effort to wash the bowl, catch the fish, lug it to the meeting etc. And then you can get 4pts for a 1st place, 2 for 2nd and 1 for 3rd. Give it a try!

April Results:

Female Guppies

1st - Jeff Plazak
2nd - Jeff Plazak
3rd - Bill Schake

Platies

1st - Jeff Plazak
2nd - Jeff Plazak
3rd - Dave Williamson

Aquatic Invertebrates

1st - Jeff Plazak

May Results:

Goodeids

1st - Wayne Toven
2nd - Wayne Toven
3rd - Dave Williamson

Rift Lake Cichlids

1st - Jeff Plazak
2nd - Jeff Plazak
3rd - Dave Williamson

Aquatic Plants

1st - Wayne Toven
2nd - Dave Williamson
3rd - Dave Williamson

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Name	Total
Jeff Plazak	70
Wayne Toven	32
Bill Schake	31
Dave Williamson	13
Ron Drungil	7
Michael Berger	3
Miranda Boerema	1
Bill Koleszar	1

How the Point System works:

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

2010 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 Bettas

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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The Anecdotal Koi Pond

Orin McMonigle



The beginning of spring in our area is usually marked by the eventual thawing of a two-foot blanket of old, icy snow. It's thrilling to finally see grass again even if it is brown and flattened. The melting snow and ice also uncovers crocus buds that shortly bloom and herald the season of new life. Many times this melt also reveals the floating bodies of favorite and beloved fish for the unfortunate Koi pond owner.

Background

I've wanted a pond for years but never so much that I invested the time and money. Last fall my interest finally overcame any objections. I bought a pre-formed plastic liner labeled at 120 gallons and dug a hole. As usual the edging was done in stones. For water movement I bought a floating solar-powered lily fountain. It had a tiny power head glued to the bottom but only worked in full sun (if you walked in front of it and cast a shadow it stopped working). It was interesting but not functional. I had considered keeping tropical fish in the pond during the summer but decided to start with goldfish since it was already too cold for most tropicals. I started with a dozen feeder comets (fifteen but three didn't make the first week). Later, a friend gave me two three-inch comets and a four-inch koi since he was making

room in his aquarium for something else. I was thrilled with the koi and eventually picked up another three four-inch and one six-inch koi over the next few weeks.

Winter was fast approaching and I was worried about finding all my fish dead in the spring. My dad mentioned I could buy a floating pond heater but it was pretty expensive and took 250 watts to run. The idea was to keep some of the surface clear of ice to allow for gas exchange. I was told that though cold-hardy fish rarely freeze in the winter they often suffocate as decomposing leaves use oxygen and the frozen surface prevents gas exchange. To me a heater seemed like an expensive and round about way to provide gas exchange since a heavy season of snow and cold would offer an exposed surface area that would be minimal at best. I went to a koi pond store and saw heaters for sixty dollars but decided against it. I thought I might be able to provide much more oxygenation at a low cost using a normal air pump and diffuser from the pet store. Even when the water surface freezes air is still being pumped in. I bought a six-dollar air pump and half-dollar diffuser and set it up in the pond. The air pump uses only 1.5 watts compared to 250. At the same time a friend of mind with a ~300gallon pond mentioned he didn't

want to use the energy to run his pump all winter and I suggested he try a cheap air pump (of course not being as cheap as me he bought the ten dollar one with two outlets and rated at 4 watts).

During much of the winter the water movement kept an 8" hole open on the surface but with many days in the 20s and a few feet of snow, nothing more than a pile of snow was visible from mid February to early March. I wondered if the air pump was still pumping air (it was located outside under an inverted plastic container).

When the snow finally melted I could see it was still running and there weren't any floating fish bodies. Over the next few days I saw all 15 goldfish and 5 koi (apparently there was one more goldfish than I thought). The friend who also used the diffusers didn't lose any of his four koi. My dad who has a 2,400 gallon pond with more than a dozen 4-6" koi bought and ran an expensive heater all winter but sadly all the fish were floating at the top when the snow melted. It was a bad winter for fish as another friend with a large yard pond (40,000 gallons?) lost most or all the bass stocked. Lastly, a local reservoir used to have some massive fish die-offs many winters, especially when much of the water was used since lower water layers have increased organic loading. Since it is used by the water plant as part of the source water they bought massive diffusers a few years ago to improve the water quality for treatment. It holds around 50,000,000 gallons. While other factors may be the cause we have not seen any winter die-off of fish the last few years.

Conclusion

I strongly believe that diffusers are important and helpful in keeping fish alive during the winter but despite a sound theory, all of my evidence is anecdotal. At this point I would not suggest someone who has been keeping their fish alive during the winter successfully using another method make any changes. However, I think further experimentation would show the use of diffusers is a much cheaper and more successful method than floating pond heaters or most water pumps.

An Exciting New Micropoecilia

Rich Serva



This fish known as “species 2” is a *Micropoecilia*-type poeciliid that closely resembles *Micropoecilia branneri* and *Micropoecilia minima*. Having been collected outside the known habitat of either species, it is best left identified only by its collection location. I had gotten my original pair from Dr. David Reznick’s lab at the University of California – Riverside. It was one of those lucky circumstances of being at the right place at the right time. The plan is to maintain the culture at an additional site besides his laboratory.

The fish were collected by Marcelo Pires in the Mearim River drainage near the city of Ariri, Maranhao, Brazil on November 16, 2006, collection # CRM2006111601. Specimens were caught at a stretch of the Mearim River by the road in water under the tidal influence. This site was estimated to be about 8km from the larger portion of the Mearim River (ca. 3-4 km wide), which connects to the Bay of São Marcos and

then to the Atlantic Ocean.

Description of the species

In 1926 Hubbs described a new genus, *Micropoecilia* containing 5 different, previously known *Poecilia* species - *bifurca*, *parae*, *picta*, *melanzona*, and *branneri*. The name *Micropoecilia* signifies its reduced size as a difference from other *Poecilia*-like fish. This group also differs from other *Poecilia* by dorsal fin location (more posterior location on body), and gonopodium branching and hook shape.

In the 1963 paper by Rosen and Bailey, the *Micropoecilia* were un-grouped as a separate genus and they were again grouped with the guppy along with *amazonica*, *parae* and *scalpridens* into a subgenus *Lebistes*. The two species *bifurca* and *melanzona* were combined into *parae*.

In the 1993 paper by Meyer, *Micropoecilia* was again elevated to genus status and *bifurca* was again separated as a distinct species. Anyway, if you want a more detailed analysis of these papers, I suggest that you read ‘The Strange Story of “*Poecilia melanzona*”’ by James K. Langhammer. The purpose of my

article is to describe my experience with breeding and keeping a *Micropoecilia* that may or may not prove out to be *Micropoecilia branneri*.

This is a tiny fish. Adult females grow to around 3.5 cm in length and males appear to be a little smaller at 2 cm. Both sexes are colored with a large oval-shaped black spot at the caudal-peduncle junction. An orange-red colored area surrounds the spot towards the posterior side. On the males a black mark can be found along the dorsal outer ray of the caudal. An orange-red coloration lies below the caudal mark. The male’s yellowish dorsal shape is triangular with a long filament that reaches to almost the end of the caudal. During courtship the male displays 6 thin vertical bars on the body starting on the dorsal surface covering around 2/3 the depth of the body. A reflective metallic sheen occurs between the bars. The bars start on the dorsal surface just anterior to the gonopodium and range to the back of the dorsal fin.

Personal observations

Dr Reznick was kind enough to share his culturing techniques with this fish. He was using medium hard water and mainly feeding Moina, microworms and Cyclopeeze. Because my pH runs around 7.5 with around 125 ppm hardness I decided to set up their tank with no adjustment to water parameters. The tank had a slight dusting of gravel on the bottom with a large wad of Riccia for



cover.

My luck with keeping Moina and microworm cultures flourishing was sketchy at best; however, I did have daphnia going and microworms are usually available at the local auctions. I usually keep both frozen and freeze dried Cyclopeeze around so the fish should not starve to death.

As luck would have it I have found a few additional foods to feed this fish. They do seem to do well on newborn Daphnia and freshly hatched baby brine shrimp. Upon occasion I have fed them frozen baby brine and decapsulated brine shrimp eggs. One food that they seem to love is frozen blood worms. I have seen the babies swim around with a piece of bloodworm which is larger than the fry itself.

Speaking of fry, you can only expect one at a time showing up every week or two. I have also found the females to produce well for a month or so then turn off for a few months. According to a 2009 paper by Meredith, life history studies have shown the development of placentotrophy and superfetation in some of the *Micropoecilia* species. According to Dr Reznick this *Micropoecilia* does have a placenta based on their patterns of weight gain during development and photographic evidence that shows what looks like a follicular placenta. In addition, Dr Reznick said that "sp. 2" showed signs of superfetation, which is

basically the staggered development of embryos in the female. This allows more babies to develop within the female during a cycle. With a drop of a baby every week or two, I would say that "sp. 2" may fit this grouping. According to the Scrimshaw paper, *Micropoecilia branneri*, the closely related species, also shows signs of superfetation with developing embryos.

Also, the best bet is to separate the babies from the parents. Although some of my babies have grown up in the tank with the parents, I have seen the adults chase the babies. What appeared to be worse than the parents were the older brothers and sisters. If I allow partially grown young to stay in the tank, I soon found that no more young seemed to be produced. This a problem that I have found with killifish that are allowed to grow up in the parents' tank; unlike the adult breeding pair the immature killies will predate heavily on newborn siblings.

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Swap Meet

Welcome to our Aquatic Classifieds - a place where you can list fish and aquatic items that you would like to sell or trade or are interested in buy or trading for. There are a few simple rules to prevent problems and abuses of the system:

1. You must be a members of GAAS to list either Haves or Wants.
2. No retail or commercial sales establishments will be permitted to list.
3. Only hobby related items will be listed.
4. Ads are limited to six items only and may only be run for three issues of Tank Topics. (You must give the Editor notice before the publication deadline to have an ad re-run!)

W. E. T. FISH BAGS

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6x18	\$4.50	\$7.00
8x20	\$4.50	\$8.00
10x24	\$5.00	\$9.00

3 1/2- 1.5 mil All others - 2 mil

Wayne Toven

(330) 296-6322 or

wtoven@hotmail.com

HAVE: Sailfin Red Eye/ Red Swordtails, Hifin Red/ Black Marble Swordtails, Albino Swordtails, Koi Swordtails, Plumetail Platies, Hifin/Plumetail Platies, Lyretail and Crowntail Platies

See photos at

www.platy-plus.com

Rick Graham

platyplus@neo.rr.com

The Greater Akron Aquarium Society

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

Meeting Notice - Do Not Delay

Meeting Notice

Thursday, June 3

Program: Mary C Garvin, a biology professor at Oberlin College will present Living in the Vermilion River Watershed. Plants and animals, both in and out of the water interact with each other and the geology of the area to create a fascinating picture, a whole book of fascinating pictures really.

Bowl Show: Native Fish, Rainbowfish,
Male *Betta splendens*

Thursday, July 1

Program: John Oyer on Cichlids

John Oyer will visit us from Brighton, Michigan to talk about the hundreds of aquariums he and his wife Betty raise thousands of cichlids in. This is an amazing talk with some twists to the cichlid story that may be new to you. I was surprised by the cichlids that live so far south in South America that they are actually not tropical, but can tolerate very cool water for at least part of the year. Something else may surprise you.

Bowl Show: Synodontis Catfish, Killifish,
Angelfish & Discus

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

Coming Events

June 19, 2010 – Great Lakes Cichlid Society - Summer Auction

Masters Church, 771 East 260th Street in Euclid. Registration starts at 9 AM, auction starts at 11. All species, plants and dry goods. Contact Dean at Merspaining@netzero.net, 330-656-0079, Marty at 330-650-0237, Bill at 216-692-9296 or Ron at 440-944-3245. web site: <http://www.great-lakescichlidsociety.net>

July 10 & 11 – Greater Akron Aquarium Society - Ultra-Aqua 2010 Show and Auction

Tallmadge Community Center, 80 Community Rd., Tallmadge, Ohio
For more information: Bud White (330) 848-3856 (bwhite@neo.rr.com), Wayne Toven (330) 296-6322 (wtoven@hotmail.com) or Rich Serva (330) 650-4613 (rjserva@juno.com)

June 27 - SCALES Summer Auction Perry Grange, Richville Drive Massillon, OH. Info: Cal 330-448-0084, John 330-452-9027
tbaad@neo.rr.com

Sept. 18, 2010 – Great Lakes Cichlid Society Fall Auction Masters Church, 771 East 260th Street in Euclid. Registration starts at 9 AM, auction starts at 11. All species, plants and dry goods. Contact: Dean at Merspaining@netzero.net, 330-656-0079, Marty at 330-650-0237, Bill at 216-692-9296 or Ron at 440-944-3245. web site: <http://www.great-lakescichlidsociety.net>

Sept. 26 2010 – Greater Pittsburgh Aquarium Society Inc. - Fall Auction

North Hampton VFD, 5149 North Pioneer Road, Gibsonia, PA 15044

PA Turnpike, Exit 4, Butler Valley, Go North-Route 8, First light at East & West Hardies road turn LEFT Take the first LEFT onto North Pioneer. Firehall is on RIGHT

For more information:

Don Tuttle 724-327-5163 and Bill Sensor 724-845-7171