



The Greater Akron Aquarium Society

Tank Topics

December 2010/January 2011

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2010 Fall Auction - If you were there you know! If not, you'll have another chance in March of 2011. Check out some more pictures from the auction on page 7.

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Important Dates for 2011

March 6
Spring auction

July 9 & 10
Ultra Aqua 2011

November 6
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:

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 (includes children under 10)	1 year	\$10.00
	2 years	\$15.00
Junior (10-17 years)	1 year	\$5.00
	2 years	\$7.00

Dues Collected _____ Date Received _____

President's Message

Happy Holidays folks, yes it is getting to be Christmas time (am I supposed to use that word? Too bad, I already did!) and we are having our Christmas party at the

December meeting. We will be having a gift exchange for those that like to do that kind of thing, just bring in a gift of some type and put it on the table, get a

ticket for it and when we draw it you can go pick out one for yourself, we suggest a \$15.00 maximum, unless you are buying something just for me, then the sky is the limit. We also will have our fish give away drawings also, we give you a ticket, one per family, and during the party we draw the tickets and you can pick out a fish or plant from the table, the club buys these fish from local suppliers and they are free to the members. Bill and Linda are getting the dinner ready, they will bring the main course and we would like you to bring in a covered dish to help spread the cheer.

The elections went well and we have some more new board members, so the new year should see some new ideas and if you have and suggestions let us know.

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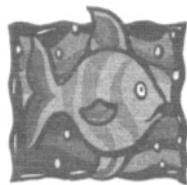
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see you at the party



Bud White

Editor's Message



As I write this message it's Thanksgiving afternoon. It's the first day I've had any time to work on anything due to my crazy schedule at work. So between doing water changes, I've been typing away and gathering information to fill these pages. I bet you already know where I'm going with my next thought... yeah, that's right, we need more input from you (the members) to continue to fill these pages! I've said it many

times before, and I'll probably say it many more times anyone can write an article based on your experiences or expertise in the hobby. You don't have to be considered an expert, just tell the rest of us what you saw your fish do. That's it. After you tell us, who knows, then maybe you will be considered the expert then!

I have to mention the Fall Auction we just had a few weeks ago. Yet another good turn out and a fairly stress-free day. Let's keep up the good work everyone, it's only a little over three months until the Spring Auction on March 6th!

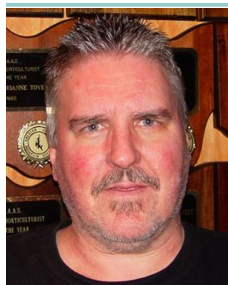
Another thing that must be brought up was our elections at the November meeting. Thanks again for the "vote of confidence" to let me continue being your Editor. Oh that's right, nobody ran against me again! Seriously

though, an editor can only be as good as the material they have to work with, my job is to make it look purdy!

Now for the big news, don't forget that our December meeting is our annual Christmas Party. There is a lot going on, so don't miss it! First of all, bring in all your losing raffle tickets from the year to trade them in for special tickets for this month. Next up, all of our annual awards will be presented. We also will have a gift exchange. Bring in a wrapped gift (around \$15 cost) and take home a different one. It might be fish related or maybe not, you never know! Then there is the Member's Only fish & plant raffle. Every membership gets one ticket for some type of fish, plants or who knows what else. And last but not least there's the food. Lots of food! It's your typical pot-luck dinner. The club supplies the main dish then everyone

brings in sides or deserts to share. If you go home hungry after this one, you're obviously not trying!

As I mentioned earlier, I am typing this on Thanksgiving so keeping that theme in mind I'd like to say something that I am thankful for: twenty nine years of being involved with the Greater Akron Aquarium Society (my first meeting was April of 1981, just after I got out of high school). Without that in my life I don't know where I'd be at all. Consider it this way: some of my closest friends were met through this organization (and you know who you are!) A job I had for nearly 21 years came about due to a connection I made through the club. I've been places and met people I never would have had the opportunity to come across had I not been involved with this organization. So I guess all I can say at this point is that I'll see you at the Meeting!



BAP/HAP Report

Wayne Toven

Ok, it looks like fallout, not the nuclear kind but fall outside, leaves all brown and all over the yard, flower beds dead or dying, pond plants looking like crap, but it is the middle of November. So you all know what that means, or do you? It's the end of the BAP/HAP year. It was an exceptional year with 21 club members participating in the two programs. The grand totals were 92 spawns and 49 Plant propagations and flowerings turned to me. Great job everyone!! We had our fourth member reach the 10 spawn level for the year; a 16 Ounce can of brine shrimp eggs will be awarded to Dave Williamson at the December meeting / Christmas party. Speaking of the December meeting, the Breeder of the Year plaque will be awarded to Phil & Tiffany Hypes for turning in 15 spawns. The Horticulturist of the Year will also be awarded to Phil & Tiffany Hypes for submitting 24 plant propagations and flowerings, congratulations on both awards!!

Now we start fresh with a clean slate in December, let's see if we can keep the momentum going for the 2011 BAP/HAP year. We also had the end of the growth contest for the year; the winner was Wayne Toven, YAY!! We also had our annual club elections in November, and once again I get to be the BAP/HAP Chairman, thanks a lot!



October 2010

Species	Common name	Class	Points
BAP			
Ron Drungil			
<i>Lepidiolamprologus hecqui</i>		Cichlid substrate.spawn	15

Dan McMonigle			
<i>Misgurnus anguillicaudatus</i>	Weather loach	Sharks,Loaches,&Eels	10
<i>Barbus ellioti</i>	Clown Barb	Barbs,Minnows,etc	10

Wayne Toven			
<i>Brachyrhaphis</i> sp. Costa Rica		Livebearers	5

November 2010

BAP			
Alex Drungil			
<i>Lamprologus multifasciatus</i>		Cichlid s.s.	15

Joe Reich			
<i>Ampullaria cuprina</i>	Mystery Snail	Aquatic animal	5

Dave Williamson			
<i>Skiffia francesae</i>		Livebearer	10

<u>2010 Spawn & Point Totals</u>	<u>BAP</u>	<u>Points</u>	<u>HAP</u>	<u>Points</u>
Phil & Tiffany Hypes	15	150	24	235
Joe Reich	13	140	-	-
Wayne Toven	11	90	3	30
Dave Williamson	10	95	1	15
Dan McMonigle	8	80	8	80
Ron Drungil	6	60	-	-
Bruce Fraley	5	45	-	-
David Girard	3	40	-	-
Ken McGill	3	30	-	-
Bob Miller	3	30	-	-
Rich Serva	3	20	1	5
Miranda Boerema	2	10	-	-
Alex Drungil	2	20	-	-
Orin McMonigle	2	20	-	-
Frank Mueller	2	30	10	140
Russ Kirkendall	1	10	-	-
Jeff Plazak	1	5	-	-
Bill Schake	1	10	-	-
Bud & Cathy White	1	10	-	-
Danny Bechter	-	-	1	10
Nick Rezac	-	-	1	15

Exchange Report

Wayne Toven



If anyone wants to read one of the articles that I mention below, let me know and I will get a copy of it to you one way or another. I only review original articles by club members; I do not do reprints because I probably just recently re-viewed them. First off we had a reprint of Joe Reich's article *Otopharynx tetras-tigma* in the Oct/Nov issue of Great Lakes Cichlid Society's Cichlid Evening Post. So remember when you write an article you might be sharing some helpful information that you possess so that others might have success with their fish.

Aquarium Club of Lancaster County,
Tank Tales: Sept 2010

Julidochromis marlieri, by Michael Steffen

Metriaclima sp. *Daktari*, by Jay Stephan

Labidochromis sp. *Mbamba*, by Jay Stephan

Raising Live Food for Your Fish, by Michael Steffen

Aquarium Club of Lancaster County,
Tank Tales: Oct 2010

Culturing Live Food: Green Water, *Microfex*, and *Daphnia*, by Michael Steffen

Petrotilapia sp. *Nkhata Orange*, by Jay Stephan

Celestial Pearl Danio (CPD) or Galaxy Rasbora, by Michale Steffen

Greater Pittsburgh Aquarium Society Inc. Finformation: Sept 2010

Hemianthus callitrichoides, by Efren Leonida

Betta simplex (Mouthbrooding Betta), by Stan Chechak

Betta falx, by Stan Chechak

Greater Pittsburgh Aquarium Society Inc. Finformation: Oct 2010

Battling Camallanus Worms, by Leslie Keefer

Hamilton & District Aquarium Society:
Oct 2010

Spawning the Gold Columbian Tetra, by Charles Drew

Decapsulating Brine Shrimp Eggs, by Jessica Bullock

Hamilton & District Aquarium Society:
Nov 2010

Dicrosus filamentosus, by Jessica Bullock

Kitchener – Waterloo Aquarium Society,
Fins & Tales: Oct 2010

Learning from Salties; Freshwater Sumps, by Tianna Bertolo

PlantEd Tank – Substrate, by Ed Koerner

Living With Livebearers, by Ed Koerner

Kitchener – Waterloo Aquarium Society,
Fins & Tales: Nov 2010

Pass the Aponogeton, by Tianna Bertolo

Living With Livebearers (Swordtails), by Ed Koerner

PlantEd Tank – Rarities, by Ed Koerner

Michiana Aquarium Society, Michiana
Tropical Times: Sept 2010

White Cloud Mountain Minnows –
Tanichthys albonubes, by Ben Slocum

Michiana Aquarium Society, Michiana
Tropical Times: Nov 2010

Goodea atripinnis – the Blackfin Goodeid, by Ben Slocum

Ohio Cichlid Association, Buckeye Bulletin: Oct 2010

Big Fish – Common Sense Rules of Keeping Big Fish Successfully, by Kyle May

Disecting the Hobby – Must Have Items for Your Fish Room, by Dan Woodland

Ohio Cichlid Association, Buckeye Bulletin: Nov 2010

Raising and Attempting to Breed *Amphilophus flaveolus*, by Jonathan Dietrich

Pacific Coast Cichlid Association, Cichlid Communique: Sept/Oct 2010

Lamprologus similis, by Pam Chin

Pioneer Valley Aquarium Society, the Underwater News: Nov 2010

From Egg to Adult (*Betta splendens*), by Elva Hughes

Sarnia Aquarium Society, Aqua Antics: Oct 2010

On Target *Skiffia lermiae*, by Peter Melady

White Clouds, by Jack VanderAa

Sarnia Aquarium Society, Aqua Antics: Nov 2010

Telmatochromis temporalis, by Peter Melady

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

Julidochromis dickfeldi, by Tom Hiller

Marineland Double Bright LED Lighting System (review), by Dave Unruh

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

Breeding Montezuma Swords (*Xiphophorus montezumae*), Pam Danyluck

Greater Pittsburgh Aquarium Society Inc. Finformation: Nov 2010 *Melono-taenia angfa* by Regina Spotti

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Bowl Show & Special Activities

Ken McGill

Wow, what a finish to the bowl show season! ONE POINT between 1st place and 2nd and only SIX points between 1st and 3rd!

Our big winner this year is Jeff Plazak! Congratulations Jeff! And also congratulations to the rest of the participants this year for bringing out all the nice entries.

October Results:

Arts & Crafts

1st place Bill Schake a Rope Fish

Marine Fish

1st place Bill Schake Engineer Goby
2nd place Dave Williamson Neon Goby
3rd place Bill Schake Tear Drop Clownfish

All Other Old World Cichlids

1st place Wayne Toven *Thysachromis ansorgi*
2nd place Wayne Toven *Pelvicachromis taeniatus*

November Results:

All Other Livebearers

1st place Wayne Toven *Limia* sp. "Tiger"
2nd place Bill Schake Black Bar Endler
3rd place Bill Schake Endler

All Other Egglayers

1st place Jeff Plazak Female Betta
2nd place Wayne Toven *Pantodon bucholzi*

All Other Catfish

1st place Bill Schake Bumble Bee Cat
2nd place Wayne Toven *Hoplosternum* sp.

2010 Points Totals:

Name:	Total
Jeff Plazak	93
Bill Schake	92
Wayne Toven	87
Dave Williamson	39
Phil Hypes	13
Ron Drungil	10
Michael Berger	4
Miranda Boerema	2
Bill Koleszar	1



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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, Mollys,
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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Keeping & Breeding *Brachyrhaphis* sp. “Costa Rica”

By Wayne Toven



I have been keeping and breeding livebearers a lot more in the past few years, one genus that I have been working with lately is *Brachyrhaphis*. The name comes from the Greek language not Latin, brachy means short and rhaps means needle, this refers to the male's gonopodium, which is a modified anal fin used for copulation (sex). Several species of the genus have a black spot at the base of the anal fin that sometimes extends out into the fin of the female and onto the male's gonopodium. The fish in this genus are sometimes referred to as olimina, which is a Spanish word that means small livebearer, and is the equivalent of the English word minnow. The genus *Brachyrhaphis* was established by Regan in 1913, there are currently 12 described species, all of which are endemic to Central America ranging from southern Mexico south down into Panama. The fish come from a variety of habitats under various water conditions, mostly in the upper to mid water of creeks and streams with slow to moderate currents. Aquarium conditions should be clean water with a gentle filtration, a Ph of 7 – 7.5, hardness of 10 – 20 dGH, with temperature range of 75 – 85 degrees F. Fish are omnivorous, but prefer live foods.

One of the two problems that I have had in keeping species from the genus was size differential between the sexes, at least in the stock that I have been able to obtain. The females usually tend to grow larger and more robust, and can be very aggressive toward the smaller, slimmer males. With that in mind it is best to obtain a group of individuals whenever possible, to spread out the aggression. The second problem is fry predation; the adults tend to see the newborn fry as an open buffet, so there is a need for an abundance of cover such as live plants, or as in my case a breeder trap was sometimes used. When some livebearers are born they rest on the bottom for a short period of time, I do not know if

this is so for *Brachyrhaphis* species, but if it is the adults could very easily pick off the fry. Speaking of fry, the gestation period is around 28 days; the fry are small when born only about 7mm in size. Spawns can range from 10 to 40 fry.

I got the current species list from Wikispecies so I am not sure if it is 100% accurate, but they are: *cascajalensis*, *episcopi*, *hartwegi*, *hessfeldti*, *holdridgei*, *olimina*, *parismina*, *punctifer*, *rhabdophora*, *roseni*, *rosewithae*, and *terrabenensis*. I will share some of the basic information that I was able to obtain on some of the species.

B. cascajalensis has a range that extends from the Atlantic slopes of southern Costa Rica to San Blas in eastern Panama. The species name comes from the Rio Cascajal in Panama. The body is elongated with a small head; the females can grow up to 7.5 cm and the males to 6 cm. Body color of both sexes is olive-gray; belly is white, anal area is black; a dark reticular pattern runs along the upper rows of scales which are a pale yellow. The fins are clear, and the dorsal fin is banded with yellow and black.

B. episcopi was originally described by Steindachner in 1878, from the Atlantic and Pacific waters of El Valle in central Panama. The adults grow up to 3.5 cm for the males and 5 cm for the females. The body ground color is olive-gray with yellow markings, belly is white, and a midline is formed from 10 – 16 brown-

black spots or diagonal bands. The scales exhibit a dark reticular pattern depending on the fish's mood, upper body has 2-3 reddish lines between the rows of scales. The fins have a pale orange tint to them; the dorsal has some black markings near the base, an orange sub marginal band and a thin blue-white margin.

B. hartwegi was first described in 1963 by Rosen & Bailey, and was named in honor of Dr. Norman Hartweg. Species range is the Pacific slope from Chiapas, Mexico south to Guatemala. The body of this small species is elongated, males grow to 3.5cm and females to about 5 cm. Body coloration is yellow to olive, with a white belly. There are 10-15 faint bands that form a dark diagonal row along the flanks. All the fins are a dull yellow, and rounded except for the anal which is pointed. Brood size is rarely more than 10-20 fry.

B. holdridgei was first described by Busling in 1967; they come from the Atlantic slope of Costa Rica, in marshes and flowing waters of the Rio Madre del Dios, Rio Sarapiquí, and the Rio Arenal. Maximum size of 5cm for the females and males slightly smaller. The profile from the pointed snout to the dorsal fin is straight or slightly curved. The fish have an olive gray body, with a light gray belly; there are 10-12 dark vertical bars on the sides. All the fins are a light yellow, the upper third of the dorsal is red – orange with black stripes on the



base. The caudal fin has a dark margin and also has dark streaks near the base.

B. olimina is known to come only from the Pacific side of Costa Rica, in the Rio Tempisque drainage to the Rio Grande de Tarcoles, and on the Atlantic side at a few sites between the Rio Sapoa and the Rio Reventazon and Parismina. The predorsal profile is slightly curved; body ground color is tan with a slight pinkish tint. The body has 8 – 10 dark vertical bars on the sides, these bars are absent on specimens that come from the headwaters of Rio Virilla. Females can grow to 6 cm and as usual the males smaller. The base of the dorsal fin and the rays are black, upper half of the fin is yellow – orange with a black margin in both sexes. Anal fin is yellow or yellow – orange with the typical black streak from the base to the tip, and the caudal fin has a yellow margin.

B. parismina's natural habitat is Parismina in Costa Rica from the Rio San Juan drainage to the rivers north of the Rio Sixaola. *B. parismina* is similar to *B. cascajalensis* but has a large black blotch on the caudal peduncle. The fins are clear; the dorsal and caudal fins have black rays, and a dark band near the margin and the base. Females only attain a maximum size of 4 cm.

B. punctifer is found on the Atlantic side of western Panama where they live in the shallow and marshy tributaries of the Rio Cricamola. The species has a moderately elongated body with a pointy head; females grow to 5 cm, and the males to 3cm. The body is a uniform gray with bands of dots on the sides, hence the name *punctifer*, which means dotted. The dorsal fin is marked with dark patches and the caudal fin is all black.

B. rhabdophora is endemic to Costa Rica

and is found on the Pacific side between the Rio Parrita drainage and the Rio Grande de Terraba, and was originally described in 1908 by Regan. The profile from the pointed head to the dorsal is straight or slightly curved. This species is considered to be the most colorful of the genus; females can grow to 6.5 cm and the males to 4cm. The ground color of both sexes is grayish brown, almost the entire body is covered with a dark reticular pattern, and the rows of scales have a metallic sheen. The dorsal and caudal fins have a marginal band of yellow – orange and have a sub marginal dark band.

B. roseni was described in 1988 by Bussing and named in honor of Dr. Donn Rosen. The species is found in the Rio Coto basin in Costa Rica and south to the headwaters of the Rio Santa Maria drainage in Panama. Females only grow to 4.5 cm and the males smaller. Body ground color is grayish yellow and the scales are edged with black forming a reticular pattern on the upper half of the body. There are also 10 – 12 dark vertical bars on the sides of both sexes, but are most prominent on the males. The middle of the dorsal has a row of dark blotches, while the outer portion is orange with a thin black margin. The anal fin is yellowish orange with the typical black streak. The caudal fin of the male is bordered with yellowish orange; both sexes have a dark intermittent bar in the middle.

B. terrabensis were described by Regan in 1907, founds on the Pacific slopes of the Rio Terraba in southern Costa Rica and in the Rio Chiriqui in western Panama. The base body color is olive blue with a white belly; there is a reticular pattern on the flanks, and a line of short dark vertical bars mid body. All of the fins are tinted a dull orange color. The

base of the dorsal fin is very long; it is marked with a black band pattern, and has a yellow or orange margin. Caudal fin is bluish white in color, and both sexes have the black anal fin marking. Females can grow to 6 cm and males to 5 cm. Brood size are 10-30 fry.

B. species Costa Rica was collected by Rusty Wessel in the Rio Ciruelo in of course Costa Rica. Base body color is olive tan, white belly, with the reticular pattern on the upper half of the body; there is a row of 10-12 dark vertical blotches mid body. There is a bluish sheen on the lower half of the body from the belly to the tail, black anal spot into the anal fin of female and into the male's gonopodium. The male's caudal fin is bluish white at the base then a clear band, then a dark band, then a yellow band with a thin black margin. The male's dorsal fin's lower half is black with white rays, then a wide yellow band with black rays, and a thin black margin. The female's dorsal fin is a paler version of the males. My 4 males were all around 1 1/2" and the 2 females around 2 1/4", they were all housed in a 20 gallon high tank with a sand substrate, a few rocks, a few potted plants, lots of floating plants mostly najas grass, and a sponge filter. Even then the females terrorized the smaller males, I was almost to the point of removing the females except for spawning, but I didn't and they killed off two of the males. Then they settled down, I guess too many males cause problems. I fed them flake food, tiny floating pellets, frozen blood worms, black worms, and daphnia when available. I didn't trust the parents with the fry even though they were not that big. When a female was obviously getting fat she was moved to a bare bottom 10 gallon breeder tank with a homemade breeder trap that gave her lots of swimming space, floating plants, and a sponge filter. There the broods were 10-12 fry each time, they were fed crushed flake 2-3 times a day. Even the fry were hard on each other, but enough survived. They have since moved on from my fish room, I have some good pictures though.

Resources:

Freshwater Fishes of Costa Rica – William Bussing

Atlas of Livebearers – Lothar Wischnath



The Greater Akron Aquarium Society

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

Meeting Notice - Do Not Delay

Meeting Notice

Thursday, December 2

Program: Christmas Party!
“Loser’s Raffle”, Gift Exchange,
Special member’s Give-Away & Pot
Luck Dinner. Don’t miss all the fun!

Bowl Show: None, just come and enjoy the party!

Thursday, January 6

Program: TBA
Bowl Show: Goldfish, Male Guppies,
Minnows, Danios & Rasboras

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

Coming Events

Feb 12, 2011 – Ohio Cichlid Association - Winter Auction

Holiday Inn Select Strongsville, 15471 Royalton Road. Cichlids, scavengers, plants and dry goods only. Visit www.ohiocichlid.com for more info

February 19, 2011 - Motor City Aquarium Society - Auction

Madison Place 876 Horace Brown Dr Madison Heights MI (13 Mile Rd @ I-75, 1 block east of I-75, south on Montpelier to end) if you wish to pre-register: GaryD.MI@netzero.com

March 6, 2011 – Greater Akron Aquarium Society – Spring 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)

March 20, 2011 – Youngstown Area Tropical Fish Society - Spring Auction

J.V. Johnson Community Center, 800 Gillmer Rd - Leavittsburg, OH 44430
Registration 11 am to 1 pm - Auction begins at Noon
For more information:
Tom mruaru2@aol.com
330-758-3043