



GRAND VALLEY AQUARIUM CLUB TANK NOTES

JANUARY 2015 - MARCH 2015

ISSUE 67

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GVAC ANNUAL WINTER SWAP MEET JANUARY 10, 2014

Location: Home School Bulding Gym
5625 Burlingame Ave SW
Wyoming, MI 49509

Time: 10 AM – 2 PM

Admission: \$3 Individual, \$5 Family

For more information or to sell,
contact Patrick Miller at pmlife4@att.net
6' Tables for sellers are \$10 each. No splitting, no parking lot sales.

NEW MEETING LOCATION:

Home School Bulding Gym: 5625 Burlingame Ave SW
Wyoming, MI 49509



*Photo by Mike Monje
Red Cheek Severum*



*Photo by Shealyn Sarns
Chase Klinesteker was awarded with the GVAC Legacy Award at
the annual Christmas party. Presented by Tim Boelema.*

2014 BOARD OF DIRECTORS

President	Mike Monje	exstreamaquatix@gmail.com
Vice President	Justin Sarns	sarnsj@gmail.com
Treasurer	Roger Miller	miller.roger1@att.net
Recording Secretary	Patrick Miller	thriftyfisher@1791.com
Corresponding Secretary	Ken Zeedyk	zekeshouse@wmol.com
Sergeant-at-Arms	Chris Carpenter	christojanet@hotmail.com
Members at Large	Cyndi Westra	ccyndiw@yahoo.com
	Heather Burke	burkehe2@msu.edu
	Kory Voodre	kvoodre@gmail.com
	Scott Tetzlaff	thefishguy@triton.net
	Andrew Kalafut	kalafuta@gvsu.edu
	John Schafer	cichlids29@gmail.com

COMMITTEE CHAIRPERSONS

Membership, Public Relations, Raffle and Website Administrator:

Ken Zeedyk	zekeshouse@wmol.com
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Program Director and Auction Chair:

Justin Sarns	sarnsj@gmail.com
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Breeders Award Program (BAP) Tom Siegfried	tomsiegfried@charter.net
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Hort. Award Program (HAP) Steve Hosteter	fishguy311@yahoo.com
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Newsletter Editor Shealyn Sarns	4tendesign@gmail.com
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C.A.R.E.S. Coordinator Cyndi Westra	ccyndiw@yahoo.com
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GVAC FELLOWS

The following is a list of Fellows of the Grand Valley Aquarium Club. These are members who have contributed to making GVAC a successful club. They have held many positions within the club and donated countless hours during those tasks that would not be completed without their hard work and dedication. New Fellows are nominated by current fellows and voted on by the general membership.

Tim Boelema	Ben VanDinther	Finn Nielsen
Jeff Vander Berg	Ken Zeedyk	Patrick Miller

Don't forget to thank them when you see them at meetings or other events.

Reprint Policy:

Articles appearing in the Newsletter of the Grand Valley Aquarium Club may be reprinted in a newsletter (not on website or e-mail) by any non-profit aquarium organization as long as the author and GVAC are given written credit. Two copies of the publication in which the article is printed must be sent to:

Shealyn Sarns, GVAC Editor
P.O. Box 325
Grandville, MI 49418-0325

GVAC Mailing Address:

Grand Valley Aquarium Club
P.O. Box 325
Grandville, MI 49418-0325

GVAC Website:

www.GrandValleyAquariumClub.org



Photo by Justin Sarns
Echinodorus sp. Atlantasberg

PRESIDENT'S MESSAGE

Welcome to the New Year! GVAC's SWAP Meet is coming up, as is Winter and Spring Auctions. Winter and early spring bring many Auctions, Swaps, and other events to the club hobby. GVAC was fortunate, we had some great speaker's last year, thank you Justin and Ben. This year looks just as good as last year for speaker's, Gary Lange on Rainbowfish, Steve Edie on Takanikyan cichlids, Dale Ernst on Ancistrus, Mo Devlin, the list is impressive. Next time you see Justin please thank him for all he's doing and maybe give him some ideas on the types of programs you'd like to see at our meetings.

Cyndi Westra has been instrumental in getting GVAC involved in the C.A.R.E.S. program and is our C.A.R.E.S. Liaison. If you currently don't participate with C.A.R.E.S. I would encourage you to look into this program. Simply ask any GVAC Board member, or talk to Cyndi about it. If you're currently keeping C.A.R.E.S. species, please update your status with Cyndi.

The holiday is behind us, and winter is here, well sort of. So now's the time to spawn some fish, for sale at these events. The best way I know of to beat the winter blues is to spend time with your family and your hobby. BAP and HAP programs restart for the New Year, GVAC did really well with these programs last year. Let's see if we can beat that in 2015.

I took a fresh look at my BAP and HAP standings, what I found surprised me. If I BAP a tetra species I earn the diversification award, and a sexual reproduction in the HAP program will move me up a level in that program. I encourage everyone to take a fresh look at their standings and go after those points in 2015 that you've been putting off.

Please remember GVAC is your club, if there's an event or speaker you'd like to see, please bring it up

to board member. Donating your time and energy to the club helps to make us what we are, a fantastic club! Participation in HAP, BAP, C.A.R.E.S., writing articles, turning in photos, and participation in the many club events and programs we sponsor, helps both the hobbyist and the club. Remember to have fun, and as always...

Best Fishes,
Mike Monje



*Photo by Shealyn Sarns
Scott Tetzlaff receiving his awards at the annual Christmas party.*

PLEASE SUPPORT THOSE WHO SUPPORT GVAC:

Blue Fish Aquarium

Preuss Pets

Aquarium Services

ADG/Aqua Design Amano USA

Amazonas Magazine

Aquatic Gardeners Association -

Karen Randall

Aquamaid Supplies

Boyd Enterprises

Cichlid Press

CichlidBreeding.com

Doctors Foster & Smith

Florida Aquatic Nurseries

Hagen

HBH Pet Products

Hikari USA

Kordon - Novalek

Marineland

OddballFish.com

Ocean Star International

Penn Plax

Pet Supplies Plus

Pet Connection

Python Products

Repashy Superfoods

San Francisco Bay Brand

Seachem Laboratories, Inc.

SpectraPure

Ted's Fishroom

Tetra

TFH - Tropical Fish Hobbyist

Wardley - A Hartz Company

Zoo Med Laboratories, Inc.

FISH CALENDAR OF EVENTS:

JANUARY:

- 10: **GVAC Annual Winter Swap Meet**
Homeschool Building, 10 AM
(see page 1 for details).
- GVAC Meeting**
Speaker - Patrick Miller, Bowl Show;
Justin Sarns, Fish Bagging;
Rare Fish Auction
Homeschool Building, 7 PM

- 25: **GCCA Swap Meet**
4400 Frontage Rd Hillside IL 60162
10am—2pm
www.gcca.net

Chicago Livebearer Society Winter Meeting
4400 Frontage Rd Hillside IL 60162
2pm – 3:30pm
www.chicagolivebearer.com

FEBRUARY:

- 7: **MCA Spring Auction**
Madison Place
876 Horace Brown Dr, Madison Heights MI
Registration 9am—Auction 10:30am
www.michigancichlid.com

- 14: **GVAC Meeting**
Speaker - Mini Talks by Chris Carpenter,
Kory Voodre and Heather Burke
Homeschool Building, 7 PM

- 21: **MCAS Spring Auction**
Madison Place
876 Horace Brown Dr, Madison Heights MI
Registration 9am—Auction 10:30am
www.motorcityaquariumsociety.com

- 21-22: **Killifish Karnival**
Niles Inn & Conference Center
930 S 11th St (M 51) – Niles MI
www.michianaaquariumsociety.org

MARCH:

- 14: **SWMAS Spring Auction**
Plainwell Community Center
Registration 9:30am—Auction 11am
www.swmas.org

GVAC Meeting
Speaker - Gary Lange, Collecting Rainbowfishes
Homeschool Building, 7 PM

- 21: **Grand Valley Aquarium Club Spring Auction**
Homeschool Building, 11 AM
(Registration 9 AM)

- 22: **GCCA Swap Meet**
4400 Frontage Rd Hillside IL 60162
10am—2pm
www.gcca.net

APRIL:

- 4: **Michiana Spring Auction - Concord Mall**
3701 S Main (US 33) Elkhart IN
Registration 9am – Auction 11am
www.michianaaquariumsociety.org



GROW OUT CONTEST – XENOTOCA VARIATA

By Eric Maxson (*Photo by the Author*)

Common Name: Jeweled Splitfin
Location: Central highlands of Mexico
Temperatures: 68 to 70 degrees F
pH: 6.5 to 7.6

I bought 3 males and 3 females for a grow out contest at the GVAC meeting. I did not know too much about them but wanted to try this contest.

I keep all 3 pairs in 29 gal tanks; one pair in all RO water, one pair in 50 RO 50 well tap water and the last pair in all tap water from the well. My finding in this was they all grew the same, but way less color in all RO. In the 50/50 I started to get fry. I did notice with temps around 67 degrees I had bigger amounts of babies then in warmer temps that where at 79 degrees. I did pull the fry from them or they would eat about half of the batch if left with the parents. The feeding I do mix it up a lot. I gave frozen blood worms, brine shrimp, live black worms, cobalt flakes, repashy gel premix and omega pellets. I feed two times a day and did 50% or more water changes 2 times a week..

GVAC TRIVIA:

1. Name (in order of service) all of the editors of GVAC's newsletter.
2. The GVAC Newsletter has had several names, what are they?
3. Who is the only member to hold a major job for GVAC while living out of state? Who was it, and what job did they hold?

answers on page 11

SELLER'S REMORSE AND THE JOURNEY BACK.

By Dan Kraker (Photos by the Author)

Nearly two years ago I finally acquired as species I had been trying to find for some time. I found them at Preuss Pets; it was the Hypomelanistic OB Red Zebra (*Metriaclima estherae*) where the dark spots are turned to white on the males and purplish tan on females.

While breeding them I raised a few that were born solid tan but later matured into a beautiful silvery pink fish. That was a bit strange coming from parents that were both OB and I didn't know what to make of it.

I sold off the original breeders and nearly all of the offspring, ending up with just 3 OB females and 2 males, an OB and a silvery pink one. As they began to breed I lost a female and both males. They would just disappear without a trace. No crispy critters on the floor, no half eaten carcass in the tank, just nothing. I later found that they were getting themselves stuck inside a decorative shell I had in their tank.



Then being left with only the two Hypomelanistic females and not having any success tracking down any of the stock I sold, I decided on going with a cherry red OB zebra male from John and Betty Oyer and hopefully breeding back to the Hypomelanistic trait in a few generations.

From these pairings I am seeing some very heavily marked fry, some very lightly marked fry and a few solid blues. After researching on the net I found that when breeding OB red zebras you can get these three varieties and now I believe the solid silvery pink ones raised from the original stock were actually Hypomelanistic blues.

I always liked tinkering around with genetics and worked with many different colors, patterns and modifiers in my previous hobby of raising and flying Birmingham Roller Pigeons so I guess this curiosity stayed with me into my fish keeping. I plan to take some males from my current fry and mate them back to my adult female Hypomelanistic OBs. Hopefully these young males carry the gene and produce some more Hypomelanistic fry. If so, I am confident that I'll be getting the Hypomelanistic blues as well. I look forward to that as they are a very beautiful fish.

MY ALTERNATIVE TO BARE TANKS

By Mike Monje

I know a lot of breeders, actually most serious breeders, keep bare tanks. The major advantage is ease of maintenance. However, I really don't like bare tanks, even though they are sometimes a lot more advantageous. So over the years I've tried a lot of different ways to overcome this. The scope of this article is to explain not only my current method for overcoming what I've come to call bare tank syndrome, and also to outline the pros and cons of this method.

I've personally had more trouble with a bare tank bottom than I've had with even a very thin layer of sand over the bottom, (personal experience only cited here). I've noticed tail-rot on species that I've kept in a bare bottom tank, and I can feel a slime coating on the bottom of the tank, that doesn't seem to develop on the sides of the tank. In discussing this with other aquarists and doing some net-research, the popular opinion seems to be that a bare tank bottom allows for a bacteria build-

up on the bottom. It's important to note that I have no scientific basis for this claim only my observations and that of other aquarists I've spoken with. Logic seems to dictate that with a bare glass bottom there's no place for good bacteria to colonize. Therefore, I always place a thin layer of sand on the bottom of the tank, I'm only talking about a 1/4 of an inch, this way I can easily siphon it out if need be.

The next issue to address is, feeding the fry. I've spoken with a lot of hobbyists, read numerous articles, and also noted through personal observation, that the majority of fry mortality that takes place within the first few days is due to starvation. I used to keep various cultures of infusoria in my fish room to feed the fry. However, this is basically just a power-culture of bacteria, protozoa, and other small bugs that normally live in a balanced aquatic biotope. Therefore, once again logic seems to dictate that if we strive for a more balanced aquarium, these creatures would be present in our tanks. This doesn't even include the fact that with cover our fry will feel and actually be much more secure. Therefore I

continued on page 7

2014 BAP & HAP AWARDS

2014 was another great year for GVAC. This is best demonstrated by looking at the numbers of people that participated in the BAP and HAP program and the diversity of species and numbers of fish spawned and plants propagated. 27 Members turned in 196 spawns for the BAP program which consisted of 153 different species of aquatic animals. In the HAP program 14 members turned in an amazing 171 propagations which included vegetative, flowering and sexual propagations.

Aquarist of the Year: Justin Sarns

The Aquarist of the Year is chosen by the club President and is awarded to the club member that has done the most to help the club during the year. For 2014 Mike Monje picked Justin for a number of reasons. Justin has been a very active member of the club. Justin turned in 13 species for the BAP program and tied for Horticulturalist of the Year with 31 propagations. But Justin did a lot more than work on spawning fish and propagating aquatic plants. Justin scheduled all of the speakers (and that is a lot of work), ran both large auctions (even more work and stress), and put together the Iron Aquascaper contest. We aren't sure where Justin found the time to fit everything into his schedule and still get married but we are happy he did.

Breeder of the Year & BAP Rookie of the Year: Allan Workman

It is impressive when somebody wins Rookie Breeder of the Year but it is doubly impressive when they also win Breeder of the Year. Allan turned in an impressive 22 spawns for the BAP program in 2014. This easily made him rookie of the year and allowed him to edge out some stiff competition for Breeder of the year. Congratulations on completing such a difficult task.

Horticulturalist of the Year: Mike Monje & Justin Sarns

It is not often that we get a tie for Horticulturalist of the year. This year both Mike and Justin turned in 31 propagations to tie. 31 propagations are a lot of plants for two members together to turn propagate, but two members each doing that is very impressive.

HAP Rookie of the Year: Kevin Hightower

You can only be a rookie once and Kevin did his best to maximize his entry into the HAP program. 29 propagations just might be a record for a rookie in the GVAC HAP program. Congratulations on a well-deserved victory.

Writer's Contest: Justin Sarns

One of the things that makes GVAC such a great club is the willingness of its members to share with others. Justin has demonstrated this willingness to share by turning in a large number of articles. We hope that others will follow Justin's lead and share with others by writing articles for the newsletter.

Additional Awards

In addition to the competitive awards listed above, GVAC has BAP and HAP awards to help members mark milestones in their hobby and encourage participation in the club BAP and HAP programs. Each of the following awards requires the participant to turn in an article or photo for publication in the newsletter.

Master Breeder I: *To obtain this level, the member must spawn 100 species of fish*

Mike Monje

Expert Breeder: *To obtain this level, the member must spawn 50 species of fish*

Justin Sarns

Ben VanDinther

Horticulturalist: *To obtain this level, the member must propagate 30 species with at least 5 being flowering*

Steve Hosteter

Mike Monje

Justin Sarns

Diversification Award: *In order to earn this award a member must turn in one BAP spawn for Livebearer, Anabantid, Cichlid, Characin, Killifish, Catfish, Rainbow Fish, and Goby*

Scott Tetzlaff

Specialty Awards: This is a new program where members can earn Specialty Award recognition within their various categories of achievement, such as Livebearers, Characins Killifish and others.

• **Scott Tetzlaff:** Anabantoids Specialist, Cyprinids Specialist, Killifish Specialist, Killifish Master, Livebearer Specialist, Livebearer Master, Livebearer Grand Master, New World Cichlid Specialist, New World Cichlid Master, Old World Cichlid Specialist, Old World Specialist Master

• **Dan Kraker:** Old World Cichlid Specialist

• **Justin Sarns:** Old World Cichlid Specialist

BAP Levels:

Heather Burke	20 species
Chris Carpenter	70 & 80 species
David Gruszecki	20 species
Steve Hosteter	20 species
Eric Maxson	Plaque plus 10 species
Patrick Miller	130 species
Roger Miller	60 species
Mike Monje	90 & 100 species
Justin Sarns	50 species
Allan Workman	Plaque plus 10 & 20 species
Ken Zeedyk	140 species
Ben VanDinther	50 & 60 species

HAP Levels:

H. Scott Bultman	Plaque plus 10 & 20 Vegetative
Kevin Hightower	Plaque plus 10 & 20 Vegetative
Steve Hosteter	30 Vegetative; 5 Flowering
Dan Kraker	5 Flowering
Roger Miller	100 Vegetative; 20 Flowering
Mike Monje	40 & 50 Veg; 10 Flowering
Justin Sarns	40, 50 & 60 Veg; 5 Flowering

Legacy Awards: Pete Goettner (June) & Chase Klinesteker (December)

In this past year we were honored to award our Legacy Award to two very deserving hobbyists, Pete Goettner and Chase Klinesteker. This award is given to individuals who have shown a long time dedication to the aquarium hobby and have given their time to helping other hobbyists.

Pete has truly been an innovator in the hobby. Almost every betta you see in the hobby could probably trace back to Pete's stock. He was the developer of the half moon betta that has become a staple in the industry.

Chase has bred more fish than anyone else I know. He has accumulated a huge amount of information which is all recorded on his 3"x5" card system. Those cards are destined for the fishkeepers hall of fame.

Both Pete and Chase have been active members and leaders in various fish clubs and have always willingly shared their knowledge with others. If you see these guys, be sure to thank and congratulate them.

continued from page 5

no longer run any spawning, or fry-rearing tank without plants. What I do now is utilize deli containers. I place top soil in the container, plant them up and top off with fine gravel. These are portable, easily remove-able, and have the added benefit of allowing me to culture plants for sale or trade without affecting my display tanks. The plants are colonized with infursia naturally. This way the fry can hunt / feed when they need / want to, and the plants provide cover. Please note, I in no way mean to indicate that this replaces frequent and regular feedings; this is simply an addition to normal feedings. I also have several center-pieces that I rotate amongst my fry tanks, some are driftwood with Java Fern growing on them, and some are rocks again with Java Fern attached. These are easily remove-able, provide surface area for Infursia to colonize, and help control water chemistry. In addition to the potted plants and center-pieces, I usually provide some floating plant cover, my personal favorite is Annubis this is easily remove-able, the roots provide food and shelter, and is much more manageable than a lot of other floating plants.

In conclusion, if you've never tried a decorated a fry / spawning tank I'd really like to encourage you to try it. I personally believe it's better for our fish, simplifies tank chemistry and more importantly I think it's a lot nicer to look at.

FINDING NEMOS

By Scott Tetzlaff

No, this is not about clownfish. It's about *Neotroplus nematopus*. Which is also known as nemos, neets, little lake cichlid and the pour mans dubois among others. This is another of the "Old Time Fish". Back in the 1980's they were as common as convicts. Everyone had them, until last year nobody in our area had them anymore.

One of the problems with this species is that they are prolific and very good parents. They are a bit aggressive as well. Especially when spawning. These attributes may have brought about its decline. However, when talking with aquarists that have been keeping fish for a while, all have a story about nemos.

Nemos come from rivers and lakes of Nicaragua and Costa Rica. Males are larger and have more pointed fins. They attain a length of 3 to 4.5 inches. They are cave spawners that hatch in 5 days. What really makes them interesting is their coloration. Their normal coloration is grey with a black vertical bar in the center of their body. However, when spawning the color is completely reversed, they are black with a grey vertical bar. When caring for Nemos provide them with a medium to large tank. They are cave spawners, so place a few caves in the aquarium. Also, provide some cover, plants or mops. Don't be fooled by their small size they can be quite territorial and can back down fish much larger than they are.

This is a very interesting species. Their breeding behavior with the color change and fry cave makes these dynamos a worthwhile addition.

SEXUAL PROPAGATION OF Aponogeton crispus

By Steve Hosteter (Photo by the Author)



During a discussion with plant guru Ben V. I asked him what would be the easiest plant to get to flower in the aquarium. His response was fast and simple *A. crispus*. He told me it was a three turn in plant easy to flower and easy to get seeds.

The set up was simple, a well-lit tank with a rich substrate

and time. My set was as follows A 30 long lit by 2 T-5 HO bulbs, I use seachem fluorite substrate and added a fertilization block near the base of the plant. The lights are on a 12 hour cycle and the tank is near a north facing window. Water changes are every other week 30 percent and liquid excel weekly. The plant settled in quickly and grew fast. I had my first flower in just a few weeks. Needless to say I was very excited, I had a plant flowering inside! Well time went on and flowering maybe it was the natural cycle of the plant or a change in ambient light and temp I do not know. By May it started to flower again and I thought this was time to try and get seedlings off the plant. I gently used a paint brush to pollenate the flowers hoping that by sear luck I may get seedlings time passed and I noticed new plants floating around the tank along with a mass of *Salvinia*. I moved the seedlings down to the substrate to let them mature more and the leaves to grow enough to confirm that they were indeed *Aponogeton crispus*! After a month there was no doubt that I had seedling *A. crispus*.

This is not a clinical diagram of how to flower and sexually propagate plants. It is simply a man taking advice from an experienced horticulturist and some plain ole dumb luck. I hope this will excite others into getting their hands wet trying to produce plants via flower. Oh and by the way if you want to get three points off a single plant I would highly recommend *Aponogeton crispus*.

Allan Workman – 22

Tropheus sp. Red Kachese
Pundamilia nyererei
 "Python Island"
Labidochromis sp. Mbamba
Iodotropheus sprengerae
Aulonocara baenschi
Sciaenochromis fryeri
Metriclima estherae
Pseudotropheus sp.
 red top ndumbi
Pseudotropheus demasoni
Protomelas taeniolatus
Protomelas marginatus
Playtaenioides sp.
 red tail sheller
Metriclima greshakei
Melanochromis lepidiadaptes
Neocaridina heteropoda
 var. green
Neocaridina heteropoda
 sp. red cherry
Neocaridina denticulata
Pseudotropheus socolofi
Labidochromis sp. Perlmutt
Haplochromis tomato sp. 35
Cyrtocara moorii
Astotilapia latifasciata

Mike Monje – 19

Clea helena
Cichlasoma amazonarum
Astotilapia nubilia
Astotilapia callipitera
Xiphophorus alvarezi
Aspidoras spilotos
Archocentrus multispinosus
Xiphophorus helleri
Xiphophorus continens
Otopharynx lithobates '
 Yello Blaze'
Zoogoneticus purhepechus
Phallichthys tico
Melanoaenia Inornata
Pundamilia sp. red flank
Haplochromis tomato sp. 35
Haplochromis sp. dayglow
Xenotoca variata
 "Jesus Maria"
Poecilia obscura
Limia dominicensis

Darrell Ullisch – 16

Fundulopanchax scheeli
Girardinus m. rivasi
Pethia nigrofasciatus
Oryzias woworae
Nannochromis transvestitus
Limia nigrofasciata
Inpaichthys kerri
Hyphessobrycon rosaceus
Amatitlania siquia
Trichopsis vittatus
Alestopetersius smykalai
Pterophyllum scalare
Cryptoheros sajica
Apistogramma trifasciata
Ctenochromis horei

Ilyodon furcidens

Chris Carpenter – 15

Neolamprologus leleupi
Girardinus falcatus
Melanotania Boesmani
Xystichromis phytophagus
Aulonocara stuartgranti maleri
Steatocranus irvinei
Brachyrhaphis doriae
Zoogoneticus Tequila
 "Lake Chapalo"
Sciaenochromis fryeri
Pseudotropheus elongatus
 "chewere"
Paracyprichromis nigripinnis
Callichromis stappersi
Limia sp. tiger
Neolamprologus hellianthus
Pseudomugil gertrudae

Eric Maxson – 14

Anscistrus sp.
Symphysodon aequifasciatus
Pterophyllum scalare
Poecilia reticulata
Apistogramma macmasteri
Nannacara aureocephalus
Apistogramma cacatuoides
 "double red"
Xiphophorus maculatus
Xenotoca variata
Poecilia latipinna
Pelvicachromis pulcher
Apistogramma gepfro
Krobia xinguensis
Amatitlania nigrofasciatus

Patrick Miller – 12

Metraclimia estherae
Phallochthys tico
Nomorhamphus sp. erbardtii
Thorachromis brauschi
Poecilia sp. Coatzacoalcos
Phallichthys fairweatheri
Phallochthys januaris
Corydoras weitzmani
Poecilia orri
Gambusia myersi
Allodontichthys polylepis
Belonesox belizanus

Justin Sarns – 12

Labidochromis caeruleus
 "zebra lundo"
Xystichromis phytophagus
Sciaenochromis fryeri
Astotilapia callipitera
Archocentrus multispinosus
Poecilia reticulata
Pundamilia sp. Blue Bar
 "Hippo Point"
Pseudotropheus daktari
Devario aequipinnatus
Pseudotropheus elongatus
 "chewere"
Haplochromis sp.
 red fin piebald
Astotilapia aneocolor

Heather Burke – 10

Danio margaritatus
Danio choprae
Pseudosphromenus dayi
Limia perugiae
Alfaro cultratus
Neocaridina heteropoda
 var. yellow
Moenkhausia pittieri
Tylomelania sp. yellow
Pseudotropheus acei
Heterandria formosa

Scott Tetzlaff – 8

Tilapia tholoni
Protomelas sponnotus
 'Mara Rocks'
Rasbora volcanus
Poecilia obscura
Rasbora volcanus
Limia dominicensis
Danio nigrofasciatus
Aspidoras spilotos

Roger Miller – 7

Fundulopanchax gardneri
Xiphophorus mayae
 'Parzos Guatemala'
Haludaria fasciatus
Limia nigrofasciata
Pelvicachromis taeniatus
 'Moliwe'
Danio erthromicron
Xenotoca variata

Kory Voodre – 7

Lamprologus ocellatus
Sciaenochromis fryeri
Placidochromis phenochilus
 'Tanzania'
Aulonocara stuartgranti
 Chipoka
Amphilophus citrinellus
Clea helena
Cichlasoma amazonarum

Melissa DeHaan – 6

Glossolepis multisquamata
 Pagai
Neolamprologus multifasciatus
Glossolepis dorityi
Chilatherina fasciata,
 Faowi Village
Poecilia reticulata
Melanoaenia tatei

David Gruszecki – 6

Aulonocara baenschi
Metriclima greshakei
Melanochromis auratus
Aulonocara stuartgranti
Labidochromis sp. Perlmutt
Neolamprologus multifasciatus

Dan Kraker – 6

Labeotropheus trawavassae
 'lindu'
Characodon lateralis
 "Los Berros"

Viiparus malleatus
Pimephales promelas
Pundamilia pundamilia
Xiphophorus helleri

Ken Zeedyk – 6

Cryptoheros chetumalensis
Oreochromis crenuchoides
Phonynos Eos
Notropis chrosomus
Elassoma gilberti
Cyprinella spiloptera

Tom Sigfried – 5

Geophagus steindachneri
Cynotilapia sp. White top hara
Julidochromis regani, Kipili
Chromidotilapia kingsleyae
Neoheterandria elegans

Adam Persenaire – 4

Tramitichromis intermedius
Placidochromis phenochilus
 'Tanzania'
Copadichromis sp.
 'fluorescent'
Anscistrus sp.

Ben Bouwkamp – 3

Pseudotropheus sp. "acei"
Lepidolamprologus hecqui
Limia vittata

Kevin Hightower – 3

Anscistrus sp.
Xiphophorus helleri
Poecilia reticulata

Randy Morris – 3

Otopharynx lithobates
Zoogoneticus tequila
 'Teuchitlan, Mexico'
Poecilia reticulata

Steve Hosteter – 2

Rocio octofasciata
Xenotoca variata

Andrew Kalafut – 2

Melanoaenia lacustris
Glossolepis wanamensis

Steve McDonald – 1

Girardinus metallicus

Michael J. Miles – 1

Poecilia reticulata

Nicole Westra – 1

Poecilia reticulata

Phil Wurm – 1

Limia sp. tiger

**BAP BY THE NUMBERS
Participants: 26**

Total Points Earned: 196

BOWL SHOW

What is a Bowl Show?

A Bowl Show is a mini fish show. It works like this. Each month at our regular meeting there will be two categories in which each member can enter fish. One or more judges will examine each entry for size, color, general health, overall appearance, etc., to determine first, second, and third place in each category. In addition to receiving an award for that months show, first place is awarded five points, second place three points, and third place one point. At the end of the contest year, the member who has accumulated the most points will be presented a bowl show champion award for that year. This is an excellent opportunity to show fellow members your prized fish.

How do I enter?

Bring in your fish in the categories of the month along with a flat sided display container large enough to house the fish. (don't forget to bring in water to put in the container) There will be a display table available for your fish. Members are allowed a maximum of two entries per month in the Fish of the Month categories and one entry in the Favorite Fish category. Entries in the Favorite fish category can be any species and will be voted on by the general membership.

Who is eligible to enter?

Any member in good standing.

Who will be judging the entries?

One or more judges will be selected each month. The judge(s) will vary month by month.

Are there any other rules?

1. In consideration of our speakers, all entries must be set up before 7pm. Late entries will not be accepted! If you plan to make an entry, please get to the meeting early so other members will have time to ooh and ahh over your fish.
2. Entries may be removed after the winners are announced.
3. The Bowl Show Chairperson (currently Patrick Miller) will keep a record of all points and announce the winner at the end of the year awards party.
4. Entries should be labeled with the scientific and common name of the fish.
5. An individual fish can be entered no more than one time during a contest year.
6. Please, do not tap on the glass or disturb the entries in any way!

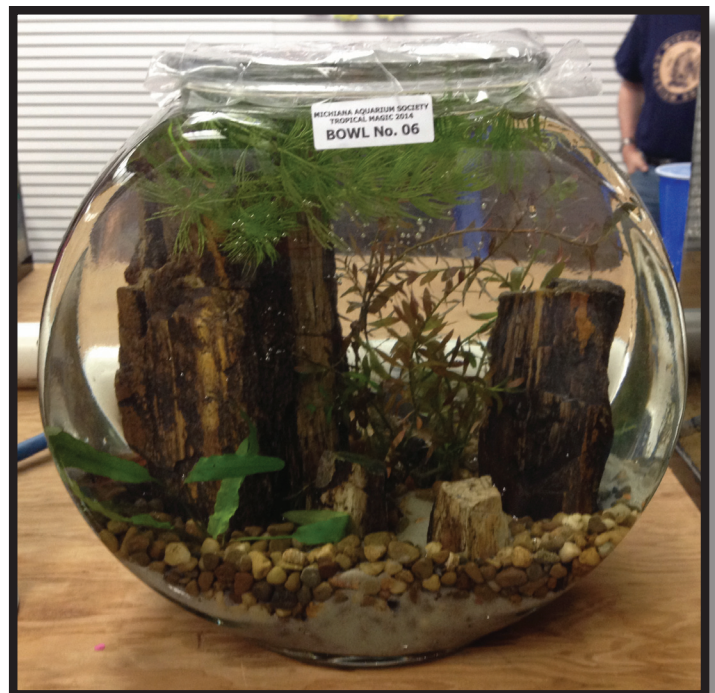


Photo by Kory Voodre

Example of a bowl show entry: One of Chris Carpenter's entries from the Michiana Bowl Show (2014).

Schedule for 2015

	Category 1	Category 2
February	Central & South American Cichlids larger than 4"SL	Bettas
March	Livebearers other than Guppies	Killifish
April	African Cichlids larger than 4"SL	Favorite Fish
May	Catfish other than sucker-mouth catfish	Rainbow fish and Blue Eyes
June	Guppies	Goldfish/Koi
August	Angels, Discus & Uaru	Characins
September	Anabantids other than Bettas	Favorite Fish
October	African Cichlids smaller than 4"SL	Sucker-mouth catfish
November	Central & South American Cichlids smaller than 4"SL	Favorite Fish

Mike Monje – 32**Vegetative:**

Vallisneria spiralis
Microsorium pteropus var.
 “Trident”
 (trident java fern)
Echinodorus var. “Visuvius”
Echinodorus var.
 “Pinwheel Melon”
Microsorium Pteropus var.
 “Needle Leaf”
Cryptocoryne lutea
Ludwigia var. “Narrow Leaf”
Anubias nana var.
 “Narrow Leaf”
Nesaea var. ‘Golden’
Bolbitis heudelotii
Ludwigia var. ‘Atlantis’
Cryptocoryne parva
Ceratopteris thalictroides
Pogostemon helferi (Downoi)
Salvinia natans
Eichhornia crassipes
 (water hyacinth)
Cryptocoryne wendtii var.
 “Mi Oya”
Cryptocoryne moehlmannii
Echinodorus martii
 (Ruffled Sword)
Anubias hastifolia
Cryptocoryne blassii “red”
Anubias congensis
Lomariopsis cf. *lineata*
Hygryza aristata
Vallisneria americana
gigantea
Nymphoides indica
Lovelia cardinalis

Flowering:

Anubias nana var. ‘
 “Narrow leaf”
Physostegia virginiana
 (Obedient Plant)
Eichhornia crassipes
 (water hyacinth)
Anubias barteri
Lobelia cardinalis

Justin Sarns – 32
Vegetative:
Lilaeopsis novae-zelandiae
Cabomba furcata
Nesaea crassicaulis
Cyperus helferi
Ceratophyllum submersum
Nymphaea stellata
Heteranthera zosterifolia
Echinodorus parviflorus
 Sußwassertang (Pellia sp)
Cryptocoryne parva
Cryptocoryne spiralis
Nymphaea zenkeri
 (Tiger Lotus)
Ludwigia sp. *Atlantis*
Eichhornia crassipes
 (water hyacinth)
Cryptocoryne sp
 Florida Sunset

Echinodorus kleiner bar
Echinodorus sp. *Atlansberg*
Pistia stratiotes
 (Water Lettuce)
Hydrocotyle tripartita
Cryptocoryne blassii
Rotala magenta
Echinodorus tenneilus
Bolbitis heudelotii
Aponogeton unclulatus
Echinodorus amazonicus
Limnophila indica
Rotala najeshari
Hydrocleys nymphoides

Flowering:

Iris Pseudacorus
Mimulus ringens
 (Monkey Flower)
Echinodorus atlansberg
Nymphaea alba

Kevin Hightower – 30**Vegetative:**

Anubias congensis
Anubias barteri var. *nana*
Vallisneria americana
Crinum thalianum
 (Onion Plant)
Echinodorus angustifolia
 “Vesuvius”
Cryptocoryne undulata
Hydrocotyle leucocephala
Microsorium pteropus
 “Windelov”
 Lace Leaf Java Fern
Najas guadalupensis
 (Guppy Grass)
Cryptocoryne usteriana
Anubias coffeefolia
Nymphaea Lotus
 (Red Tiger Lotus)
Echinodorus bleherae
Anubias auzelli
Cryptocoryne lutea
Ludwigia repens
Vesicularia dubyana
Rotala macranda
Vallisneria spiralis
Parviflorus parviflorus
 “tropica”
Cryptocoryne blassii
Echinodorus cordifolus
Bolbitis heudelotii
Cryptocoryne moellmannii
Microsorium pteropus sp

Flowering:

Anubias congensis
Anubias barteri var. *nana*
Vallisneria americana
Nymphaea Lotus
 (Red Tiger Lotus)

H. Scott Bultman – 27**Vegetative:**

Heteranthera zosterifolia
Hygrophila angustifolia
Limnium laevigatum
Rotala indica

Cryptocoryne spiralis
Echinodorus tenneilus
Rotala macranda
Lemna minor
Valisneria spiralis
Valisneria americana
Ceratophyllum demersum
Nymphaea lotus (zenkeri)
Limnophila sp ‘ambulia’
Riccia fluitans
Vesicularia dubyana
Vesicularia montagnei
Microsorium pteropus
Echinodorus amazonicus
Sagittaria subulata
Najas guadalupensis
Anubias barteri
 var. *nana* petite
Ludwigia repens
Echinodorus augustofolia
 “vesusius”
Pistia stratiotes
Eichhornia crassipes
Phyllanthus fluitans
Hygrophila polysperma
 “Rosenerig”

Steve Hosteter – 13**Vegetative:**

Cryptocoryne usteriana
Hydrocotyle leucocephala
Nymphaea zenkeri
 (Red Tiger Lotus)
Bacopa monnieri
Salvinia natans
Staurogyne repens
Rotala nanjenshan
Echinodorus tenellus
Ceratophyllum demersum
Aponogeton crispus

Flowering:

Cabomba furcata
Nymphaea zenkeri
 (Red Tiger Lotus)
Aponogeton crispus

Andrew Kalafut – 11**Vegetative:**

Heteranthera zosterifolia
Echinodorus xingu
Blyxa japonica
Najas guadalupensis
Rotala sp ‘Vietnam’
Persicaria sp
 ‘Kawagoeanum’
Cryptocoryne albida
Lomariopsis cf. *lineata*
 (Sußwassertang)
Nymphoides indica
 (White Snowflake)

Flowering:

Persicaria sp
 ‘Kawagoeanum’
Nymphoides indica

Roger Miller – 9**Vegetative:**

Micranthemum umbrosum
Ludwigia sp “Atlantis”

Marsilea sp
 (Four Leaf Clover)
Cryptocoryne beckettii
Pogostemon helferi
 (Downi, Little Star)

Rotala magenta

Flowering:

Spathiphyllum wallisii
 (Peace Lily)
Anubias Coffeefolia
Aponogeton longiplumulosus

Melissa DeHaan – 7**Vegetative:**

Microsorium pteropus
Ludwigia palustris
Echinodorus angustifolia
Ceratophyllum demersum
Sagittaria subulata
Bacopa carolinia
Ludwigia palustris

Dan Kraker – 4**Vegetative:**

Eichhornia crassipes
 (water hyacinth)
Ceratophyllum demersum
 (hornwort)

Flowering:

Eichhornia crassipes
 (water hyacinth)
Ruellia brittoniana (blue bells
 bog plant)

Bob Wesolowski – 3**Vegetative:**

Echinodorus bleheri

Flowering:

Anubias nana
Cryptocoryne usteriana

Ken Zeedyk – 2**Vegetative:**

Sagittaria subulata
Ceratopteris thalictroides

Ben LaClear – 1**Vegetative:**

Echinodorus amazonicus

Dennis Langland – 1**Vegetative:**

Heteranthera zosterifolia
 (Star Grass)

Patrick Miller – 1**Vegetative:**

Aponogeton undulatus

HAP BY THE NUMBERS

Participants: 13

Total Points Earned: 173

C.A.R.E.S. CORNER

By Cyndi Westra, GVAC C.A.R.E.S. Coordinator

So you've made the commitment to keep a C.A.R.E.S. species and have completed your registration. Now what? It's up to you if you'd like to simply maintain them, or take things a step further and Journal their habits etc. and/or earn award stickers for your certificate. There is space for 4 large seals (stickers) on each species Certificate:

- Gold: will be affixed to your Certificate when it's presented to you. This is for registering the species.
- Green: awarded for completing a Journal (blanks can be obtained by request at ccyndiw@yahoo.com) and submitting an article to the GVAC newsletter sharing your findings.
- Blue: awarded for sharing fry from your registered species with GVAC and having them registered with GVAC's C.A.R.E.S.
- Red: awarded for sharing fry from your registered species with another club that maintains a C.A.R.E.S. Program and having those fry registered with that club.

Longevity Seals will be awarded annually for keeping your registered species for the full year. Next newsletter, look for your name as we'll be printing a list of C.A.R.E.S. Program participants!



To view the species list, go to www.carespreservation.com and select tab "Priority List". To register a species and receive a blank form or ask questions, email Cyndi, GVAC C.A.R.E.S. Coordinator at ccyndiw@yahoo.com



Photo by Cyndi Westra
Aulonocara Stuartgranti "Hai Reef Blue Neon"

C.A.R.E.S. BREEDING REPORT; NEOCHROMIS SP. "ENTEBBE"

By Justin Sarns (Photo by Shealyn Sarns)



In June 2014, I received a bag of very small *Neochromis* sp "Entebbe" from Greg Steeves in Texas. The fry were very small and put into a grow out tank to get some size on them. They grew quickly and were moved into a 20 long aquarium moderately decorated with rocks. At this time the fish were scarcely over 1 inch in length. They were housed with a small group of giant danios and juvenile *Tramitochromis intermedius*. Within a week of putting the fish into the larger aquarium the male started to color up. The body of *Neochromis* sp "Entebbe" has a green and red undertone, with the striking black pectoral fins that are common in many species. The dorsal and caudal fins appear to be covered in brilliant red dots on a pale blue base. The fish is quite striking.

I was quite excited when I found my first female holding. She was a little under an inch at the time, which is a common time for a victorian to start spawning. I moved her to a 2.5 gallon aquarium in hopes that she would hold full term. I half expected her to not hold full term, as it was her first spawn, but surprisingly she held with no issues. I noticed free swimming fry hiding in a bunch of hornwort. I stripped the female at this time and found 20 fry! I was surprised at the number of fry for a fish so small. Typically, my young victorian females only hold around 10 -12 fry. The fry are doing great and growing quickly, and I hope to be able to share some soon.

1) : Tim Boelena, 2: Ben Van Dintner & Jeff Gendron together, 3: Jeff Vander Berg, 4: Patrick Miller, 5: Shealyn Sarns
2) Newsletter of the Grand Valley Aquarium Club, Ichthos, Tank Notes.
3) Jeff Vander Berg lived in Arizona while serving as newsletter editor.

GVAC Trivia Answers:



GRAND VALLEY AQUARIUM CLUB
 P.O. Box 325
 Grandville, MI 49418
 Address correction required

GRAND VALLEY AQUARIUM CLUB

Meetings are held on the second Saturday of every month at 7 PM (See inside for detailed schedule).

NEW MEETING LOCATION:

Home School Building Gym
 5625 Burlingame Ave SW
 Wyoming, MI 49509

MEMBERSHIP BENEFITS:

GVAC Apparel

Store Discounts at Blue Fish Aquarium*

- 10% off livestock
- 20% off bulk food (does not include 5 lb boxes)
- Club Nights - Tuesday & Wednesday
- 20% off livestock

****Must show GVAC membership card to receive discounts.***

NEW GVAC APPAREL!

New Design along with **New Items** available!

- T-shirts
- Jackets
- Hats
- Coolers
- ...and more!

Order forms available at club meetings, see Andrew and Heather Kalafut to order.

IN THIS ISSUE...

- 2014 GVAC Awards
- GVAC Annual Winter Swap Meet
- Bowl Show Information
- Articles and Photos about many GVAC activities, including the Grow Out Contest and C.A.R.E.S. Breeding.
- All New – GVAC Trivia!

