Issue 63

# **GVAC Tank Notes**

## **Upcoming Meetings:**

January: Karen Randall

**Plants** 

February: Rare Fish

March: Matt Bielski

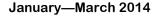
**DIY LED Lights** 

April: Ted Judy

W. A. Cichlids

May: Mike Tiano

**Ponds** 





#### Inside this issue:

Presidents Message

	3
Calendar	4
Why Keep Fish?	4
Cutting Corners Costs	5
Call Me the Turn and Burn King	5
2013 BAP Totals	6
Phyllanthus fluitans	7
Natural Sunlight for Aquarium Plants	7
2013 HAP Totals	8
ALA Prood Posord	0

2013 Awards Recap

9

## **GVAC Swap Meet and Show**

**January 11** 

Fish, Plants, Food, Equipment & more

Location: Home School Building 5625 Burlingame SW Wyoming MI 49509

Time: 10am—2pm

Admission: \$3 individual, \$5 family

Rent a 6ft table, \$10ea you do not need to be a club member to sell.

For more information or if you would like to rent a table at this event contact Patrick Miller at pmlife4@att.net

### 2014 Board of Directors

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## **GVAC Fellows**

The following is a list of Fellows of 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 doing those tasks that would not be completed except for their hard work. New Fellows are nominated by current fellows and voted on by the general membership.

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

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

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Grandville, MI 49418-0325

### **Presidents Corner**

Well, 2013 is behind us. It was a *fintastic* year for GVAC, we hosted the ALA convention. The convention was fun and a huge success, (thank you to all who helped make this possible). The club grew in size and participation, not only in HAP & BAP programs, participation in all GVAC events was up last year! If I tried to thank everyone who made this possible, I would certainly, unavoidably miss someone as so many people dedicate time and energy to make GVAC the club that it is. Therefore, the club, and I thank you *all* for all of your efforts! Without each and every one of you we couldn't be *us*!

So, welcome 2014 *The Year of the FISH!* GVAC has some great programs for the coming year; we will have our usual Winter Swap, Spring and Fall Auctions, in addition we are trying to put together some special and unusual outings, and a few collecting trips! The club will only continue to grow and thrive if participation and volunteers continue to grow and multiply. We are a club dedicated to the aquarium hobby; every member is a representative of our club. As a club, as an individual member, it is important to support our sister clubs, (attending their auctions, swaps, events, etc). Please remember when we attend these events, when we post online, when we have conversations with fellow hobbyists, we are representing Grand Valley Aquarium Club. As a club, as an individual member, it is also important to support our local resources, retailers, and fellow hobbyists regardless of their experience level.

I am so looking forward to 2014, it promises to be a great year for the club. I encourage each and every one of you, no wait, I challenge each and every one of you to pick one thing: travel to another club for a meeting or auction, attend a fish event that you haven't attended before, try a collecting trip, BAP a fish, HAP a plant, sell at an auction, keep a C.A.R.E.S. species, write an article, submit a picture of your fish / tank, volunteer at an auction or event, pick something related to the club that you've never tried before and try it in 2014!

As a side note; the past few months I've heard a lot of aquarists, (both online and in personal conversations), lamenting that their heaters went out and cooked their tanks. So, I offer this piece of advice; on my larger tanks I place two heaters in the tank. Each heater is half of the recommended size. These heaters will work together, (with decent water movement), to regulate the temperature in the tank. However, individually they are not large enough to cook the entire tank if they malfunction.

I never met a fish I didn't like,

Mike Monje



Haplochromis sp. Ruby Green, photo by Mike Monje

## Please support those who support GVAC

Blue Fish Aquarium
Preuss Pets
ADG/Aqua Design Amano USA
Amazonas Magazine
Aquatic Gardeners Ass. - Karen Randall
Aquamaid Supplies
Boyd Enterprises
Cichlid Press
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 11 **GVAC Winter Swap** April 12 **GVAC Meeting Home School Building** Speaker: Ted Judy 5625 Burlingame SW Wyoming MI 49509 **West African Cichlids** 10am—2pm April 27 GCCA Swap Meet \$3 individual, \$5 for families Best Western Plus January 11 **GVAC Meeting** 4400 Frontage Road, Hillside IL60162 Speaker: Karen Randall 10am—2pm central time **Plants** www.gcca.net January 18 MCA Winter Auction May 10 **GVAC Meeting** Madison Place Speaker: Mike Tiano 876 Horace Brown Dr Madison Heights MI **Ponds** Registration 9am—Auction 11am **ALA Convention** May 15-18 www.michigancichlid.com St. Luis MO **GWAS Winter Auction** www.ALAConvention2014.com January 26 Apollo Recreation Center May 23-25 American Killifish Association Convention 12521 S. Kostner, Alsip, IL60803 Syracuse NY Registration 9:30am—Auction 11am www.aka.org www.gwasoc.org June 4-8 NANFA Convention February 8 **GVAC Meeting** Western North Carolina **Topic: Rare Fish** www.nanfa.org GCCA Swap Meet June 14 **GVAC Meeting** Best Western Plus **Speaker: Greg Steeves** 4400 Frontage Road, Hillside IL60162 Lake Victoria CARES 10am—2pm central time www.gcca.net July 12 **GVAC Picnic Location: TBA** Niles Inn Conference Center July 10-13 **ACA Convention** 930 S 11th ST Niles MI Louisville KY www.michianaaquariumsociety.org www.aca-convention.com

## Why Keep Fish?

By Justin Sarns

All of us in the hobby have faced this question at one point or another. For me it seems to occur when I have a friend or coworker over for the first time. Each of us has different reasons for why we came into the hobby. For me it arose out of stress. I was in a very unhealthy relationship and I was trying to find something that would help relax me and give me something to call my own. I had always loved fish and a trip to Blue Fish made me realize how many types of fish are out there. I soon had a tank and then a few, and then MTS kicked in (if you don't know what that is you will soon enough). Before I knew it I was running 40 tanks and always had my hands in the water. I found it to be relaxing. It was a way for me to let go of everything after a crazy day of classes, and more recently of teaching. I found nothing more peaceful than lying in my fish room and watching newly hatched fry. It became an outlet for the stress of every day life. In fish keeping I found close friends, good times, and something to keep me out of trouble. So whenever some asks me "why do I keep fish?" I simply tell them because I like fish and fish people!

## February 16 February 22, 23 Killifish Karnival MCAS Spring Auction March 1 Madison Place 876 Horace Brown Dr Madison Heights MI Registration 9am—Auction 10:30am www.motorcityaquariumsociety.com March 8 **GVAC** Meeting **Topic: Matt Bielski DIY LED Lights** March 9 SWMAS Spring Auction Plainwell Community Center 798 E. Bridge ST Registration 9:30am—Auction 11am www.swmas.org March 22 **GVAC Spring Auction Home School Building** 5625 Burlingame SW Wyoming MI 49509 Registration 9:30am—Auction 11am April 5 Michiana 'Buck-A-Bag' auction Concord Mall, 3701 S. main, Elkhart IN Registration 9am—Auction 11 www.michianaaquariumsociety.org

## **Cutting Corners / Costs**

By Mike Monje

Hobbies cost money. That's it, it's simple. The question is how can I grow my hobby without spending a lot more money? I like to spend my hobby dollars on fish, plants, redecorating a tank, etc. I don't want to give my hobby dollars to the electric company. The question remains how can we accomplish this and still enjoy our aquariums?

The first problem we must overcome is to understand power, specifically electrical power and billing of electrical power. Our electricity is billed in *kilowatt hours*, so what exactly does that mean? I am going to over-simplify this explanation, because we really only care about fish! A kilowatt hour simply defined,

energy = power \* time or kWh = kW \* hours

This means a 40-watt light consumes 0.04 kilowatt hours of energy per hour. Therefore a standard twin bulb florescent shop light uses 0.08 kilowatt hours per hour on a 10 light cycle this is equal to .8 kilowatt hours per day or 24 kilowatt hours per month, (assuming a 30 day month).

Let's compare this to a 48" LED light strip, (an average here is 24watts for a single 48" strip). If we shop around, and do some research on LED's a single strip can easily replace a twin strip florescent shop light, of course this depends on what's going on in our aquarium, and the quality of the LED lighting you select. So now we have, 24-watts or 0.024 kilowatt hours of energy per hour, or 7.2 kilowatt hours per month using the same light cycle and daily calculation as above, 16.8 kilowatt hours per month *saved*. Another bonus here is LED's do not need to be replaced twice a year, (bulb cost).

If we look at canister filters, (only looking at power consumption), the following filters are rated for the same size tank. I am not endorsing one filter over the other; they have individual advantages and disadvantages. I am only asking that you consider the power usage as an added soft cost when evaluating which filter is best for your application. Additionally, filters run 24hours a day times a 30 day month these soft costs add up even faster than with lighting.

Hagen Marina CF80 12watts 0.012 kWh/hour 8.64kWh/month Eheim 2215 15watts 0.015 kWh/hour 10.8kWh/month Hydor Pro-350 22watts 0.022 kWh/hour 15.8kWh/month

Running a 48" long tank with a shoplight (twin bulbs), and a Hydor Pro-350 filter uses 39.8 kWh per month, while the same 48" long tank with LED's and a Hagen Marina CF80 uses 15.84 kWh per month. I could run *two* tanks for the price of one in soft costs only! Please note; I am not endorsing any particular product or setup with these examples. These are examples only meant to illustrate a different way of looking at the costs of our hobby.

We can utilize the examples and formula's listed above for calculating all of our costs as related to our hobby. The next time we evaluate our new filter, air pump, (or is it time to consolidate to centralized air system), lighting upgrades, etc. It is just as important to look at the long range financial costs, (soft costs), i.e. power usage, replacement costs, maintenance costs, as it is to look at the immediate costs.

## Call Me the Turn and Burn King

By Chris Carpenter

"Turn and Burn" is a term I have heard often in the Aquarium hobby and it is usually said in a negative way. The phrase refers to hobbyists acquiring a new fish, breeding them and getting rid of them to make room for a new species and start the process over. I have done this quite often.

"Why do I keep fish?" This is a question I asked myself many times this past year. The answer I found is not so simple. I keep fish for many reasons. They both challenge and reward me. I have become more intelligent, resourceful and patient. They are my pets. Keeping and breeding fish has given me goals.

I research every new fish I acquire. The research starts the moment I get them and it never ends. I am always searching for good information on a species I have or want. I have learned more about geography, water chemistry, medicine, lighting, electricity and Latin while keeping fish. A couple things in my fish room MacGyver would be proud of.

My goal with almost every fish I get is to breed them. Breeding them tells me I am doing something right. It's a very satisfying feeling to look into an aquarium and find fry swimming around the tank and that feeling is amplified when it's a species I have not bred before. Often times it takes many attempts to get things right. I have several fish that took a year or more before I found what worked.

In my house I have dogs, cats and fish. I consider all of them my pets. I care about them, meet their basic needs and beyond. I have several fish that will never leave. A green spotted puffer named "chewy" has captured my heart and has a forever home. However keeping and breeding fish is my hobby and in order to continue to learn and grow I can't get attached to all of them.

I currently have 40 aquariums running which are home to a lot of fish but there always seem to be more I want. In order to keep more I either have to add more tanks, an option I have picked many times. How do you think I got to 40? It's also an option my wife is not always thrilled about. Another option is to move out a species I have already bred or one I think someone else might appreciate or have better success breeding than I. Sometimes moving fish out is a necessity to keep going forward in the hobby. Being a member of an aquarium club has given me a goal. Someday I wish to have the title "Grand Master Breeder" if that means I also have the title "Turn and Burn King" I will wear it proudly.

## **Membership Renewals**

Don't forget to renew your GVAC membership. All memberships run for the calendar year and need to be renewed in January.

Membership has its privileges, including this newsletter, the deals on page 10 and member only meetings in July and December. Furthermore, only members can participate in the BAP & HAP programs and activities such as Shop Hops.

If you haven't been a member it is easy, fun, and affordable. Individual memberships are \$12 per year, family memberships are \$18, and student memberships are \$10.

We hope to have you join in the fun!

## 2013 BAP Year End Totals

#### Chris Carpenter—34

Lamprologus callipterus
Pseudotropheus saulosi
Pseudotropheus williamsi "North
Makonde"

Makonde"
Steatocranus tinanti
Tropheops macrophthalmus
Gambusia holbrooki
Xenotoca eiseni 'Tamazula'
Haplochromis sp. 35 Tomato
Julidochromis dickfeldi
Maylandia lanisticola
Metriaclima estherae
Melanotaenia splendida
Corydoras aeneus
Corydoras paleatus
Steatocranus casuarius
Telmatochromis sp. Orange

Scribble

Melanochromis joanjohnsonae Chapalichthys encaustus Girardinus metallicus Poecilia butleri Physa sp. Aphanius mentos Characodon lateralis 'Los Berros' Limia vittata Herotilapia multispinosa Betta splendens Aulonocara baenschi Labeotropheus trewavasae 'Lindu' Labidochromis chisumulae Pundamilia nyererei 'Muanza Tateurndina ocellicauda

Point Tanichthys albonubes

Melanoides tuberculata

Amatitlana sp. Honduran Red

#### Kory Voodre-27

Geophagus steindachneri Steatocranus tinanti Thorichthys sp. "Mixteco Gold" Gambusia holbrooki Limia melanogaster Poecilia butleri Neocaridina heteropoda Red Rilli Corydoras paleatus Corydoras aeneus Apistogramma macmasteri Pelvicachromis pulcher Haplochromis Sp. 35 Tomato Poecilia wingei Lepidiolamprologus hecqui Neolamprologus multifasciatus Hemichromis guttatus Characodon lateralis 'Los Berros' Asolene spixi Neolamprologus brichardi Aulonocara jacobfreibergi Lamprologus ornatipinnis Cyprichromis leptosoma 'utinta' Telmatochromis vittatus Girardinus falcatus Limia vittata Herotilapia multispinosa

#### Mike Monje—22

Ancistrus L279 Julidochromis marlieri

Maylandia lanisticola

Julidochromis ornatus 'chitika'
Heterandria formosa
Xenoophorus captivus
Ilyodon cortesae
Poecilia butleri
Ancistrus sp. 3 Calico
Haplochromis sp Red Tail Sheller
Xiphophorus nezahualcoyotl
Macropodus opercularis

Haplochromis sp Red Tail She
Xiphophorus nezahualcoyotl
Macropodus opercularis
Amatitlania sp. Honduran Red
Point
Lamprologus ornatipinnis
Poecilia orri
Limia sp. tiger
Zoogoneticus tequila
Pundamilia nyererei
Steatocranus casuarius
Cnesterodon decemmaculatus
Skiffia multipunctata
Xiphophorus sp. nicolosi

#### Justin Sarns—22

Metriaclima greshakei

Pelvicachromis pulcher

Pethia padamya

Protomelas spilonotus 'Mara Rocks Thoracochromis brauschi 'Lake Fwa' Xiphophorus helleri Protomelas taeniolatus  ${\it Haplochromis} \ {\rm sp.} \ {\rm Ruby} \ {\rm Green}$ Aulonocara jacobfreibergi Eureka Astatotilapia nubile Cnesterodon decemmaculatus Poecilia wingei Otopharynx lithobates Chromidotilapia guentheri Paralabidochromis chromogynos Pseudotropheus saulosi Protomelas sp. Tangerine Tiger Clea helena Limia melanogaster Ancistrus sp. Placidochromis phenochilus Poecilia orri

## Tom Siegfried—21 Macropodus opercularis

Zoogoneticus tequila

Labidochromis caeruleus

Nimbochromis venustus Pelvicachromis pulcher Pundamilia nyererei 'Mwanza Gulf Limia melanogaster Limia perugiae Poecilia butleri Xenotoca eiseni 'Tamazula' Melanotaenia maccullochi Corydoras aeneus Labidochromis chisumulae Neolamprologus multifasciatus Pseudotropheus williamsi 'North Makonde' Tropheus duboisi White Band Xiphophorus helleri Julidochromis regani 'Kipili'

Chromidotilapia guentheri Pelvicachromis taeniatus

Manda

Pseudotropheus Blue Dolphin

'Moliwe' Poecilia wingei

## Ken Zeedyk—17 Hemigrammus erythrozonus

Aspidoras spilotus Corydoras venezuelanus Rhinogobius rubromaculatus Poecilia butleri Danio albolineatus Elassoma okefenokee Jordanella floridae Girardinus metallicus Girardinus falcatus Ichthyosaura alpestris apuanus Xiphophorus evelynae Fundulus diaphanus menona Phallichthys quadripunctatus Xiphophorus alvarezi Pseudomugil furcatus Chapalichthys pardalis Melanotaenia splendida inornata

#### Roger Miller—13

Mikrogeophagus ramirezi
Girardinus metallicus
Xiphophorus variatus
Iriatherina werneri
Melanotaenia madagascar
Corydoras melini
Apistogramma cacatuoides
'Double Red'
Pterophyllum scalare
Lamprologus caudopunctatus
'Red Fin'
Poecilia velifera
Thorichthys sp. Mixteco Gold
Aphyosemion australe
Pseudomugil cf. paskai

#### David Gruszecki—11

Metriaclima lombardoi
Poecilia reticulata
Xenotoca eiseni
Xiphophorus helleri
Ancistrus sp.
Amphilophus amarillo
Labeotropheus trewavasae 'lindu'
Pseudotropheus sp. acei
Hemichromis guttatus
Protomelas taeniolatus
Trigonostigma espei

## Heather Burke—10 Xenophallus umbratilis

Xiphophorus maculatus Poecilia reticulata Haludaria fasciatus Danio aesculapii Macropodus opercularis Danio erythromicron Tateurndina ocellicauda Pethia conchonius Pethia nigrofasciatus

#### Patrick Miller—10

Pelvicachromis taeniatus 'Moliwe' Girardinus metallicus Neoheterandria elegans Danio roseus Brachyrhaphis olomina Nomorhamphus towoetii Limia dominicensis Micropoecilia picta Phallichthys quadripunctatus Zoogoneticus purhepechus

#### Jeff VanderBerg—8

Ancistrus sp.
Ctenochromis horei
Mikrogeophagus ramirezi
Pterophyllum scalare
Chapalichthys encaustus
Xenophallus umbratilis
Xenotoca variata
Ampullaria cuprina

#### Kim Oge—7

Corydoras paleatus Neolamprologus multifasciatus Corydoras Panda Ancistrus sp. Oryzias woworae Pelvicachromis pulcher Xiphophorus maculatus

#### Cyndi Westra—7

Altolamprologus calvus Cynotilapia sp. White Top Hara Cyrtocara moorii Neolamprologus multifasciatus Neolamprologus pulcher Placidochromis phenochilus

#### Scott Tetzlaff—6

Cryptoheros chetumalensis Gephyrochromis lawsi Poecilia orri Laetacara thayeri Protomelas spilonotus 'Mara Rocks' Poecilia petenensis

#### Travis Henkaline—5

Aulonocara sp. 'Red dragon' Neolamprologus brichardi Xiphophorus helleri Xiphophorus nezahualcoyotl Pseudotropheus elongatus

#### Tim Monje—5

Ancistrus sp.
Girardinus falcatus
Procambarus fallax f. virginalis
Clea helena
Macropodus opercularis

#### Steve Hosteter—4

Labidochromis caeruleus Ilyodon cortesae Xenotoca eiseni 'Tamazula' Xiphophorus maculatus

#### Melissa Dehann—3

Xenotoca variata Melanotaenia splendida Ancistrus Sp.

#### Phil Wurm—3

Pomacea bridgesii Skiffia lermae Xiphophorus nezahualcoyotl Continued on page 10

## Phyllanthus fluitans – The Red Root Floater

By Roger Miller photo by the author

Phyllanthus fluitans, probably more well known as The Red Root Floater, is (as its common name implies) a floating plant with red roots. Its natural habitat includes Brazil, Peru and other South American countries.

Leaf color ranges from light green to red/brown, are almost round in shape and have a diameter of 1-2cm, approximately ½ - ¾ ". It has been my experience that the brighter the light the more pronounced the red color becomes.

Available information on cultivation on the species states: (1) needs bright light (as it is a very light hungry plant), (2) Soft, slightly acid to neutral water, (3) warm temperatures 25-28°C (77-84°F) & (4) minimal/moderate water movement.

Vegetative propagation is through lateral shoots and it will flower in the aquarium (as I discovered upon returning home from the ALA 2013 convention) under optimal conditions. The flowers are white in color and fairly small at 2mm (less than 1/8") or less in size.



My group of plants are in a 29 gal. aquarium that is lighted 10 hrs./day with a twin tube T5HO fluorescent (6700K & 24 watts each) with water straight from my tap/well (and is considered medium/medium hard) at a temp of 74-74° F. Filtration is provided by a canister filter with the discharge placed 3-4" below the surface to minimize water movement at the surface (if there is too much surface water movement this plant will not do well at all). Flourish and Flourish iron are added weekly (mostly) in the recommended amounts and CO<sub>2</sub> is provided 6 hrs./day for other plants in the tank. Note that CO<sub>2</sub> is not necessary for the successful cultivation of this species, as it is a floating plant and gets its CO<sub>2</sub> from the atmosphere. Even though my water conditions are not what is considered optimal for this particular species it does really well in the tank and reproduces fast enough that it will cover the entire surface in a couple of weeks.

As a little side note: Caution is advised when cultivation floating plants such as *Phyllanthus fluitans* in tanks that are being supplemented with CO<sub>2</sub>. It looks really cool when the entire surface is covered with these colorful little plants, especially when there are little flowers all over, but with the surface totally covered gas

exchange there all but comes to a halt. Consequently, the water will become saturated with  $CO_2$  – the plants love it. Unfortunately, it is very detrimental to aquatic animal life (i.e. fish). Found every fish in this tank expired one morning (fish purchased at the ALA auction) **but** all the damned snails survived (go figure).

Getting back to Phyllanthus fluitans, I think this is a great little plant. It stays much small than water lettuce or frogbit and substantially larger than duckweed and the light greens, red, and red/brown colors will bring some variety to any tank.

## Natural Sunlight for Aquarium Plants

By Andrew Kalafut

Currently, almost all of my aquarium plants are grown in two tanks in different rooms. One of these is a 55-gallon, with Ecoxotic Panorama Pro LED lighting, Fluorite substrate, CO2 injection, and daily doses of nutrients. The other is a 30-gallon with Marineland double bright LED lighting, sand substrate, no CO2, and no fertilizers added. According to these specifications, the 55-gallon should clearly be the better tank for growing plants. For some species of plants, this is true, but many seem to grow better in the 30-gallon.

When I initially set up the 30-gallon tank, I did not intend for it to be heavily planted, and was initially surprised plants did well in it. However, I believe I know why I get such good growth despite the low technical specifications. This tank, unlike any of my others, is in a room with a window that has no shades or blinds. Therefore, the tank gets natural sunlight for a few hours each day. While I have not studied this in any scientific manner, I have no other explanation for the growth I observe in the 30-gallon aquarium.

Not all plants seem to benefit from this equally. All of my sword plants and most of my Cryptocoryne grow better in the other aquarium. I think this is because these plants are heavy root feeders, and the sand substrate does not provide many nutrients. Stem plants on the other hand do very well. I have recently attempted to grow *Myriophillum mattogrossense*, *Rotala macranda*, and *Alternanthera reineckii* 'cardinalis' in both tanks. All three of these plants grew best in the tank with the natural sunlight. They all grew faster in this tank, and the latter two grew bigger leaves. Duckweed also grows well in both tanks, although with bigger leaves in the tank with natural light.

There are a few drawbacks however. The natural light seems to benefit plants regardless of position in the tank, but significantly more for plants near the front. Also some of the plants curve towards the front of the tank instead of growing straight upwards. Algae grows faster in this tank as well than in my others. Mainly it is just Cladophora algae which is easily removable, and it mainly grows only on the driftwood.

I would not advocate intentionally setting up a non-planted tank in an area with natural light, as the algae would probably grow out of control. However, in my situation with heavy planting, natural sunlight does not seem to be significantly negatively affecting the aquarium, and even seems to benefit the stem plants.

## 2013 HAP Year End Totals

**Justin Sarns** Vegetative Anubias coffeefolia Aponogeton ulvaceus Cabomba pulcherrima Cryptocoryne usteriana Cryptocoryne wendtii 'red' Hygrophila corymbosa Hygro polysperma sp. Vesuvius Ludwigia repens Microsorum pteropus Rotala magenta Shinnersia rivularis Vallisneria Americana Myriophyllum mattogrossene Ammannia gracilis Potamogeton gayi Echinodorus xingu Didiplis diandra Pogostemon erectus Anubias nana Cryptocoryne Moehlmannii Sagittaria subulata Cryptocoryne balansae Alternanthera reineckii 'Cardnalis' Polygonum sp. Kawagoeanum Bacopa monnieri Rotala indica Rotala sp. Type Two Ceratopteris thalictroides Rotala sp. Vietnam Micranthemum umbrosum Ludwigia palustris Blyxa japonica Flowering Anubias coffeefolia

Roger Miller

Vegetative

Cryptocoryne albida

Aponogeton ulvaceus

Echinodorus sp. Ozelet

Echinodorus 'Tanzende Feverfeder'

Blyxa aubertii Blyxa japonica

Hydrocotyle sibthorpioides Lysimachia nummularia

Rotala sp. Bangladesh

Salvinia oblongifolia

Nesaea pedicellata

Nesaea crassicaulis

Salvinia cucullata

Hydrothrix gardneri

Sagittaria platyphylla

Cryptocoryne parva

Ammannia senegalensis

Flowering

Alternanthera reineckii 'Cardinalis'

Blyxa aubertii

Cyperus helferi Phyllanthus fluitans

Polygonum kawagoeanum

Echinodorus sp. Tanzende Feuer-

Bacopa monnieri

Sexual

Persicaria kawagoeanum

Mike Monje

Vegetative

Limnobium spongia Hygrophila pinnatifida Shinnersia rivularis Ranunculus inundates *Nymphoides* sp. Taiwan

Persicaria sp. Kawagoeanum Hydrocotyle sibthorpioides Echinodorus angustifolius

Anubias barteri var. 'Nana'

Flowering

*Iris pseudacorus* Houttuynia cordata

**Steve Hosteter** 

Vegetative

Heteranthera zosterifolia Rotala sp. Bangladesh

Subwassertang Rotala sp. Vietnam

Lysimachia nummularia

Ludwigia repens

Microsorum pteropus 'Windelov'

Salvinia cucullata

Flowering

Aponogeton crispus

**Andrew Kalafut** 

Vegetative

Cabomba caroliniana Ceratopteris thalictroides

Echinodorus angustifolia 'Vesuvius'

Echinodorus bleheri

Echinodorus parviflorus 'Tropica'

Myriophyllum mattogrossense

Rotala macrandra Cabomba pulcherrima

Cabomba furcate

Alternanthera reineckii 'Cardinalis'

Dan Kraker

Vegetative

Vallisneria americana Anubias barteri 'Nana' Heteranthera zosterifolia

Flowering

Anubias barteri 'Nana' Nymphaea odorata Heteranthera zosterifolia Iris pseudacorus

David Gruszecki

Vegetative

Aegagropila linnaei Ceratophyllum demersum

**Patrick Miller** 

Flowering

Sagittarius subulata

Sexual

Nelumbo nucifera

Melissa DeHaan

Vegetative

Vallisneria Americana (synonym gigantean)

Ben LaClear

Vegetative

Ceratophyllum demersum

HAP By The #s

10 Total participants

**Total Propagations** 111

**Total Species** 78

Total Vegetative 91

**Total Flowering** 18

Total Sexual 2

**ALA Brood Record** 



In October, I was rewarded when my pair of Xenotoca variata, Jeweled Goodeids, dropped a very large batch of fry. I was able to count 86 fry. The pair in question is pictured above, male on the left, female on the right. The female is about 3-1/2" SL, the male is a little smaller. The few weeks before she dropped the record batch she had a hard time swimming and it was commented that she looked bloated, she really was a blimp, I wish I had a photo.

I did not do anything special to get this large drop of fry. It just goes to show that if you treat your fish right you never know what good things can happen.

## **GVAC 2013 Awards**

Once again GVAC has grown and the numbers of people participating in the BAP & HAP programs is witness to that fact. In 2013 we had a record number, 28, people participate in the BAP program with 249 BAP points earned while spawning 149 different species of aquatic animals. The HAP program, while having a smaller number of participants, 10, still managed an impressive 111 propagations which include vegetative, flowering and sexual propagations.

With so many participants the winners of each program had their work cut out for them. Below is what each member did to win.

**Aquarist of the Year:** Ken Zeedyk. It takes a lot of work to run a club like GVAC. Ken has been an invaluable asset to the

club. It is easy to see how Ken contributes by sending out meeting notices, welcoming guests to the meeting and serving on the board. However, he also does much more behind the scenes that most members don't have a chance to see. It is for all that Ken has done over the last year that he was chosen to

be Aquarist of the Year.

Breeder of the Year: **Chris Carpenter.** With so many people participating in the BAP program there was a lot of competition.

Chris reached out from his love for Cichlids to breed, livebearers, catfish, rainbows and others to reach

his impressive total of 34.

**BAP Rookie of the Year: Kory Voodre.** For a rookie to give the Breeder of the Year a run for their money, especially when they

bred 34 fish, you know they are doing something right. Kory bred an impressive diversity of fish, which

included, Cichlids, livebearers and catfish to reach his very impressive number of 27.

Horticulturalist of the Year: Justin Sarns. Many aquarists struggle to even get keep plants alive in their tanks. Justin made it look

easy in 2013 by turning in 35 propagations including 3 flowering. It will be interesting to see if he can

find enough plants to continue the pace in 2014.

HAP Rookie of the Year: Dan Kraker. We have a feeling that Dan has a pond or tub outside as his 7 propagations included 4

flowering propagations. It is good to see someone jump in roots first to the program.

**Writers Contest:** Roger Miller. You may have noticed something in every newsletter in 2013, that something was an

article from Roger. We hope that he doesn't run out of plants to propagate or fish to breed so that we

continue to have a chance to read his interesting articles in 2014.

#### **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 programs. Each of the following awards requires the participant to turn in an article or photo for publication in the newsletter.

#### BAP Awards

To reach this level a member must BAP 50 different species. **Expert Breeder Award** 

> Chris Carpenter Roger Miller Tom Siegfried

**BAP Level Slips** 

Heather Burke, plaque and slip for 10 spawns David Gruszecki, plaque and slip for 10 spawns

Patrick Miller, slip for 120 spawns Mike Monje, slip for 60, 70, 80 spawns Tom Siegfried, slip for 30, 40, 50 spawns

Kory Voodre, plaque and slips for 10, 20, 30 spawns Cyndi Westra, slip for 30 spawns

Ken Zeedyk, slips for 120, 130 spawns

Chris Carpenter, slips for 40, 50, 60 spawns

Tyler Mays, slip for 20 spawns Roger Miller, slip for 50 spawns Justin Sarns, slip for 30, 40 spawns

Kenny Valentine, plaque and slip for 10 spawns

**HAP Awards** 

**Horticulturalist Award** To reach this level a member must turn in 30 species with at least 5 flowering propagations

Mike Monje

**HAP Level Slips** 

Steve Hosteter, slip for 20 vegetative propagations

Andrew Kalafut, slip for 20 vegetative propagations

Roger Miller, slips for 80, 90 vegetative propagations and slip for 15 flowering propagations

Mike Monje, slip for 30 vegetative propagations and slip for 5 flowering propagations

Justin Sarns, plaque and slips for 10, 20, 30 vegetative propagations

## Grand Valley Aquarium Club PO BOX 325 Grandville MI 49418

Address correction requested

## **Grand Valley Aquarium Club**

Meetings are held on the second Saturday of each month at 7PM

Holliday Inn Express Great room, just turn right at the big fish tank 6569 Clay Ave SW Grand Rapids MI

There is no fee and everyone is welcome to attend!

# **Membership Benefits GVAC T-Shirts**

With Membership Card \$10ea Without Membership Card \$15ea

# Store Discounts Blue Fish Aquarium\*

10% off livestock

20% off bulk food (does not include 5lb boxes)

Club nights Tuesday & Wednesday 20% off livestock.

\*Must show GVAC membership card to receive discounts

Continued from page 6

#### Tim Boelema—2

Brachyrhaphis roswithae Girardinus uninotatus

#### Tyler Mays—2

Synodontis petricola Pterophyllum scalare

#### Mike Miles—2

*Procambarus* sp. Marmorkrebs *Limia melanogaster* 

#### Kenny Valentine—2

Poecilia reticulata Limia melanogaster

#### Andrew Kalafut—2

Xenophallus umbratilis Glossolepis pseudoincisus

#### Jeff Riemersma—1

Pelvicachromis pulcher

Dan Kraker—1

Haplochromis sp Red Tail Sheller

#### Philip Kukulski—1

Herichthys carpintis

## BAP by the #s

Number of Participants 28

Number of fish turned in 249

Number of species 159

Congratulations to all who participated this was the largest year for BAP in club history.