



# SPLASH

AUGUST / OCTOBER 2013



# Milwaukee Aquarium Society

## **Society Officers:**

President:	Austin Braganza	(414)447-5693
Vice President:	Rob McLure	(414)349-2226
Treasurer:	Jerry Michels	(414)353-5370
Secretary:	Andy Hudson	(262)389-2456
Sgt. At Arms:	Don Hinske	(262)402-7555

## **Board Members:**

Board Chairman:	Tim Pilat	(262)853-4895
Board Member:	Rock Smith	(414)678-9757

## **Committee Chairpersons:**

Splash Editor	<a href="mailto:tim.pilat@gmail.com">tim.pilat@gmail.com</a>	Tim Pilat	(262)853-4895
Breeders Award Program (BAP)		Andy Hudson	(262)389-2456
Horticulturists Award Program (HAP)		Aaron Glass	(262)436-1157
Participation Awards Program (PAP)		Ken King	(920)625-6046
Fish Store Liaison		Don Hinske	(262)402-7555
Librarian		Jim Everson	
Speaker Chair		Jim Everson	
C.A.R.E.S.		Rob McLure	(414)349-2226

## **On the Cover:**

Chocolate Gourami (*Sphaerichthys osphromenoides*) are native to Malay Peninsula, Sumatra and Borneo. photo compliments of Ted's Fishroom

# Important Dates!

<b>M.A.S. Fish and Plants Auction</b>	<b>October 13</b>
12:00 at New Berlin Bowl (check in at 9:00) 16000 W. Cleveland Ave. New Berlin, WI 53151	
<b>M.A.S. October Meeting</b>	<b>October 18</b>
7:30 at Hoffer's	
<b>M.A.S. November Board Meeting</b>	<b>November 2</b>
1:00 at Austin's home Everyone is Welcome	
<b>M.A.S. Fish-O-Rama Swap</b>	<b>November 10</b>
10:00 at New Berlin Bowl (check in at 9:00) 16000 W. Cleveland Ave. New Berlin, WI 53151	
<b>M.A.S. November Meeting</b>	<b>November 15</b>
<b>M.A.S. Christmas Party</b>	<b>December 15</b>
<b>M.A.S. January Board Meeting</b>	<b>January 11</b>
<b>M.A.S. Fish-O-Rama Swap</b>	<b>January 12</b>
<b>M.A.S. January Meeting</b>	<b>January 17</b>
<b>M.A.S. February Meeting</b>	<b>February 21</b>

For more information visit [milwaukeeaquariumsociety.com](http://milwaukeeaquariumsociety.com)

Here is a calendar of events for Species Clubs and surrounding City Clubs. Please submit your entries to [tim.pilat@gmail.com](mailto:tim.pilat@gmail.com).

Wisconsin Area Killifish Organization WAKO 33rd Annual Jamboree  
November 2-3, 2013, Ramada Hotel - airport, Milwaukee, WI

MAAH general meetings: visit [madisonaquatic hobby.com](http://madisonaquatic hobby.com)

Wisconsin Reef Society general meetings: visit [wisconsinreefsociety.com](http://wisconsinreefsociety.com)

# From the Fish Room of the President

Well it has been a great Summer, the high point for me was definitely the Harley Davidson 110th anniversary celebrations, but now that is behind us and now we brace ourselves for the cold and grey Wisconsin winter. I must have been busy because it seems like Fall is flying by. I'm sure you have shut your ponds down by now, I shut mine down fairly early this year, all the fish are back indoors and the lilies have been tucked into bed at the bottom of the pond. This year I did not put the regular group of comets out in the pond, just shubinkins. I had very few fry survive in the pond this year although the shubinkins were spawning almost every morning, maybe the shubinkins are not as prolific as the comets or maybe the koi and other live bearer inhabitants were just hungrier this year. This year I did I grow hornwort in the pond, which acted as shelter for fry and when it grew too much I pulled it out and threw it on the compost pile, it will make a great meal for my garden.

I have to make another call for articles, writing an article is sharing experiences and information with your fellow aquarium members and the main reason for the existence of the club. Please become a contributor and don't sit on the side lines, type out a few words and submit content for our newsletter the Splash. Remember even if you have not written an essay since high school, none of us are professional writers, all entries are welcome. The length of your article is not as important as sharing information and your experiences in the aquarium hobby. Plus it is very cool to see your work in print, and submit those photographs as well, that picture you took might even make the cover.

Elections are coming up, thanks you to all of you who have stepped up to help, we have a most of the same members from last year. We do have one big change on the board, as you know Jerry Michels is stepping down as MAS Treasurer after 21 years, we thank him again for years of service.

I hope to see you all at the Christmas Party this year, have a great thanksgiving and be kind to one another,

Austin Braganza  
President, Milwaukee Aquarium Society  
aka LIONFISH on the MAS forum

# Speakers for M.A.S. Meetings

October 18, 2013 – Karen Randall – Aquarium Plants

November 15, 2013 – Mike Wise – Apistogrammas

January 17, 2014 – TBD

February 21, 2014 – TBD

# The Spawning of *Herichthys bartoni* bean 1892

by Duane Stuermer

It seems I am drawn to the cichlids of the genus *Herichthys*. One of my first cichlid acquisitions back somewhere around 1960 was the type species of the genus *H. cyanoguttatus*.

I have had successes and failures throughout the last 50 years on and off with them. I have had spawns from both *H. tamasopoensis*, *carpintus* and *beani*, yet failed miserably at keeping *minckleyi* and *labridens* “yellow” to maturity. I am now on my second attempt with a group of *pantostictus*, as my first try ended up with a number of dead females which resulted in me bringing a lone, large male to one of the Milwaukee auctions.

Whether you call them *Herichthys* or not may be a matter of opinion, over the years the genus has vacillated between *Cichlasoma*, *Nandopsis*, *Parapetenia* and even *Parachromis*. Since *bartoni* are a North American species I have chosen to use the only recognized North American genus at the moment *Herichthys*.

*Herichthys* are endemic to the Rio Verde valley in the state of San Luis Potosi in Mexico (1). Found in pools and lagoons with little aquatic vegetation except Water Lilies (*Nymphaea* sp), they share their habitat with another closely related cichlid *Herichthys labridens*(1,2), and other non-cichlids such as *Cyrinodonts*, *Characinoids* and *Italurlus mexicanus* catfish. Feral species such as the ever present Tilapine introductions are present, and may represent a threat, *Herichthys bartoni* has been considered vulnerable since 1996 by the IUNC, and is a C.A.R.E.S species.

The water in the region is warm (81 F- 90 F) in most of their range, but temps can fall to 68 F in the most northerly part in winter. The native water pH has a range of 7.6-8.0, which worked well for me as the Milwaukee tap water is very similar.

I first acquired 5 approx. 1” individuals at the GCCA classic auction in 2012 and grew them out with a group of 10 *Herichthys carpintus* of similar size and age in a 75 gal tank. The *bartoni* grew slowly compared to the *carpintus*, as my

winter temps hovered around 68°F, but they came into spawning condition much earlier as spring warmed the tank, at the small size of 3" for the male, and less than 2" for the female. I moved them to a 40 gal high, and they quickly took over a corner near a pile of stones and wood. The pair spawned in early April and fry were free swimming by the 20th.

The very protective parents herded the spawn throughout the tank to wherever I squirted newly hatched artemia with my trusty turkey baster, until the fry dispersed throughout the tank. As the fry grew I gradually weaned them to crushed spirulina pellets.

According to Artigas Azas (1996) *La Mojarra de dos Colores*, *H. bartoni*'s main food source in nature is algae.

As with many *Herichthys* species, breeding dress is very dramatic; as soon as the pair bonded the female went from dusty brown to almost iridescent beige above the lateral line and black below. The male started to match her coloration as soon as wrigglers appeared, and they both held the tuxedo look until I removed the 50 or so fry.

*Herichthys bartoni* is a great cichlid to keep for those who want a cichlid with a big attitude that comes in a fairly compact package. Because of its toughness it can be kept with much larger species but does not need the giant size tank that larger North and Central American cichlids might normally require.

#### References:

- 1.) E Artigas Azas, Juan Miguel 1996 *La Mojarra de dos Colores*
- 2.) Perez, Rican, Orti, Bermingham, Doadrio, Zardoya 2006 Phylogeny and Biology of 91 species of heroine cichlids (Teleostei:Cichlidae) based on sequences of the cytochrome b gene.

# OCEAN FRONT PROPERTY.



(\$60 AND UP.)

 On either coast, owning ocean-front property is painfully expensive. Here, in Milwaukee, you can have your own 10-gallon piece of the briny blue for as little as \$60.

And, if you'd like a larger ocean view, we have tanks up to 200 gallons. We also have enough beautiful salt water fish and shell fish to stock any ocean. In Milwaukee, that is. 

**Hoffer's**  
**TROPIC LIFE**

# Breeding *Panaqolus changae* L226

by Andy Hudson

*Panaqolus changae* is one of the dwarf wood eating loricariids from the Rio Itaya in the Amazonas region of Peru. It is found near the city of Iquitos. I happened upon these fish from a seller just before a GCCA auction in the fall of 2010. The young lady had been keeping them for some time but had no luck breeding them. Having a fondness for wood eating loricariids I decided to pick them up and give them a try. I kept them pretty much by themselves in various tanks for a long time. I provided them several caves made of clay and wood but they only really liked one cave which was smaller than the others and square shaped. One of the males was constantly in the cave every day. Over the course of the next three years I did notice females trapped within the cave on several occasions but never saw any eggs. Over time I lost interest in spawning them and moved them to a 25 gallon cube tank with stacked caves and slate on a bottom row and forgot about them.

One day while walking the dog I found a really nice looking driftwood stump by a creek and decided to take it home and put it in the tank with the L226. I attached a slate base to weigh it down and sank it in their tank. Turns out this natural wood was the trigger needed to get them to spawn. A couple of months after introducing the wood I decided to look in one of the caves and found little eyes reflecting back. I immediately dumped the cave out into a grow out tank and was pleased to see 4 fry. That evening I went back and tore the tank apart and found a 5th fry. Fortunately I now had enough for BAP but just barely. I separated the fry into a growout tank with some driftwood and some Bolivian ram fry and grew them up for the next month and a half. I fed them cucumber slices, baby brine shrimp, and Repashy. The fry did well but only grew slightly during this time. Like most wood eaters I expect they grow fairly slowly.

The water in the tank that I use is straight RO water without any additives. I don't test my tanks often but after I found the fry I decided to test. The pH was a very high 8.0 but the GH was 7.0 dGH and the dKH was 4.0 which is really soft as expected. Water temperature was 78 degrees. The adults are fed sliced cucumber, cichlid pellets, Repashy, and live blackworms regularly. One thing that may have prevented the spawning in the earlier tanks was the

presence of snail leeches in the aquariums as a result of introduction with either décor pieces or blackworms. I did not see any eggs or fry until after I had treated the system with dog dewormer to remove the leeches. The leeches may have preyed on the eggs in previous spawns without my noticing.

# MAS Exchanges

The Sacramento Aquarium Society, August 2013

Spawning Report – *Synodontis Lucipinnis* aka Dwarf petricola by Jack Kraft

The author researched how to build a nest for spawning this exotic *synodontis* you tube videos helped him select the nest design that he would like to build. Glass bowl filled with black marbles covered with an inverted flower pot with a drain hole that was enlarged to about 7/8th inch in diameter. This hole is where the catfish could slip into the nest and lay their eggs. The male might slip into a smaller opening but one should make the hole large enough to fit a female swollen with eggs. The author was able to observe spawning behavior by placing the nest towards the front of the tank, he collected the eggs but unfortunately calamity struck and all the fry were lost. Ammonia toxicity was suspected, and so the next time Jack did 50% water changes with water from the parent's tank and placed a sponge filter in the tank. In addition he also placed a few snails and a cherry shrimp to help clean up leftovers. The fry were fed Hikari first bites and finely crushed Zoo Med Plankton flakes. The fry grew steadily.

Cichlid Blues July 2013 – The Last Word by Kevin Plazak

Tilapia in the grocery store is how this article begins. The author draws your attention to the Tilapia in the grocery store. Just like the wolves absence from Yellowstone cause an upheaval in the rest of the ecosystem so also Tilapia could cause an upheaval in ecosystems where they not native, they could out compete native species and worse directly eat fry of native species or cause more subtle changes to the ecosystems that could end in disaster. The author encourages the reader to eat native fish species or Tilapia raised in a facility where they cannot escape and harm native species not Tilapia from central America.

How are other species affected when these farm raised Tilapia accidentally get introduced into their non-native waters.

Cichlidae Communique #199 September – October by Pacific Coast Cichlid Association.

Setting up a Nicaraguan Lake Biotope Aquarium by Daniel Spielman. The author writes about setting up an aquarium to replicate the rocks, gravel and plants of the crater lakes of Nicaragua. Sympatric speciation as opposed to allopatric speciation, 2006 paper by Barluenga et al. lava bowl rock, one small Jaguar cichlid (*Parachromis manguensis*), 3 juvenile red devils (*Amphilophus citrinellus*) and a trio of nicaraguensis (*Hypsophrys nicaraguensis*). Fondness for large cichlids made it tricky to find a balance. After losing a couple of schools of tetras a small school of the humble convicts were selected as the dither fish of choice. A year later the inhabitants include a pair of red devils, one male and 2 female nicaraguense, one female jaguar cichlid and two pairs of convict cichlids.

All staked out territories and started laying eggs when the temperature got to 80F and the light period was increased to 14 hrs. The red devils were the most successful, the author feeds the fry with crushed flakes and noticed that the fry appear to feeding off the slime covering the parents. The author is quite fascinated to watch the various species living and breeding in the biotope he has created and he would like to try some new species like *Amphilophus Amarillo* (yellow and black striped Midas/red devil cichlid type) and maybe a pair of Jaguars along with *neetroplus nematopus*.

Cichlidae Communique #199 September – October by Pacific Coast Cichlid Association.

Cichlid in the News by Pam Chin. Pam is about to depart on a trip to Lake Malawi and Tanganyika. She hopes to be able to see some places along the lake with exotic names like Monkey bay, East and west Zambo point, Makokola Reef and Boadzulu island. Then Kipili, Tanzania on the shore of Tanganyika. Ad Konings is along as well, I am envious I hope to make a trip like this someday. For now I wish her a wonderful trip, may the travel gods smile upon their party and I can look forward to some cool stories and pictures.

Cichlid Blues – September publication of the Pacific Cost Cichlid Association.

Reflection: Beginner Cichlids by Ron Coleman. Rob writes about a topic that may be familiar to many of us. The response to the oft asked question, “ what is a good cichlid for a beginner aquarist?” my answer is start with a platy, guppy or a Betta (splendens). Gold fish may be cheap to purchase but they generate a lot of waste and hence need good filtration, frequent water changes or a large enough tank to reduce the demands of filtration and water changes, however they do not need a heater which can be an advantage in Wisconsin’s cooler weather. This also takes \$20– \$40 out of the investment in the fish care setup. Eliminating the heater also eliminates the risk of your new pet becoming a victim of heater failure.

Next step keep it alive for at least a few months before you move onto more demanding fish and above all do your research. Some people don’t like to hear that, on the other hand some people enjoy the research and planning and it is these few that usually end up with the most success. Ron’s answer is “it depends” on what the person wants from the aquarium. This could be one of three areas of interest, the first is Companion animal.

Companion Animal is the type of fish that interacts with the aquarist. They are often large but not always. The author has a *Theraps reganii* that lived for almost 14yrs. He would of course recognize him and even watches him work in the garden. Some other fish of similar size exhibiting these behaviours are Midas cichlids, Oscars, *Bifaciatus* and *Synspilum*. One large tank for one large fish is probably the way to make sure the fish has enough room. Larger fish like *Parachromis Duvii* need at least a 70 gallon tank. If at some point you decide to change from the companion animal focus and decide to try and add a mate to see if you can get this fish to breed, this could be another type of interest which is interesting behavior.

This can be disastrous as a fish used to being alone in a tank will very likely attack any new introductions. This is not because of the misconception that large fish are aggressive, they are simply defending territory. In the wild the other fish would simply leave the area but in a tank they don’t always have the option of getting enough distance away from the dominant fish and without the ability to hide behind or within some structure like rocks and plants or the like, they could end up,.....dead.

The main reason for aggression in most if not all fish is to defend territory so that they can build a nest attract a mate and breed to ensure survival of their

species. This isn't always how it goes in our tanks, because we are now a factor in this circle of life, we are in fact meddling with their ability to procreate sometimes with positive outcomes sometimes negative. Well back to the article, if you decide you want to breed your companion fish the author suggests lots of structure in the tank. Fish like structure, counter intuitive as it may seem this will make the fish less shy and more likely to show themselves more frequently than they would in a bare tank.

Colorful tank – lots of hiding places. You can go rocks or plastic tube or brick and tiles. Rocks are the most natural but you do have to be careful how they are stacked and the types of rocks used. Make sure every inhabitant has a place to hide or hang out plus a few more hiding spots. Keep an eye out for spawning behavior and this will trigger a change in behavior and the demand for more territory which would rapidly change the mood in the tank. It may make sense to have just one of certain species to eliminate this possibility of heightened aggression due to pairing up unless you have a lot of room in the tank again this is where you research and planning will help.

Interesting behaviour – Biparental behavior is the author's favorite and I think many of us share this preference. The author suggests convict cichlids, kribensis or the African butterfly fish ( *Anomalochromis thomasi*) these fish are small, easy take care of and easy to breed making them great candidates to observe biparental brood care.

The author concludes that the best solution is to have one tank dedicated to enjoy each type of need. One tank for your companion fish, one for a colorful community tank and one for a pair of fish that you can observe interesting parental behavior. Well who can argue with that, more tanks just makes more sense...well it does to me anyway.

Cichlid Blues #189 September – Newsletter of the Pacific Coast Cichlid Association.

The Last Word by Kevin Plazak

The author talks about 'fish crushes', he defines this as a fish that you feel must have, one that you will go to extremes to possess. He mentions the

Heroina isonycterina a fairly rare fish that looks like a little severum.  
Iranocichlia hormuzensis and Limbochromis robertsi.

The Tropical News from the Sacramento Aquarium Society – October 2013  
WTFish?: Aufwuchs – When a Foreign Word Makes You Scratch Your Head by  
Derek P. S. Tustin. The author studies the origins and meaning of the word  
'Aufwuchs'. As it turns out Aufwuchs is a German word “auf” is roughly  
translated to mean “on” and “wuchs” roughly means “growing”. Franz ruttner , a  
German limnologist proposed that the terms refers to both plants and animals  
that were attached to but did not penetrate the substrate in a body of water.  
Some cichlids like Labeotropheus species have an underslung jaw that is well  
suited to graze on and pull of chunks of aufwuchs. They also have teeth which  
allow them to rasp the biocover to pick out loose aufwuchs. Repashy  
Superfoods has developed a product called “ Soilent Green Aufwuchs Gel  
Premix” which attempts to match aufwuchs. I do like saying Aufwuchs  
especially when someone sneezes.

Take care of you fish and they will take care of you,  
Until next time folks,

Austin Braganza  
Exchange Editor  
Milwaukee Aquarium Society

# Milwaukee Aquarium Society

## General Meeting Minutes

August 16, 2013

**Membership (Jerry Michels):** We currently have 46 paid members.

**Treasury (Jerry Michels):** We currently have \$13,802.37, of which the library has \$149.16, and CARES has \$145. The June mini auction sold 33 bags for \$175 bringing our YTD to 164 bags for \$917.

**Splash (Tim Pilat):** Sorry, the June edition of the Splash is not yet complete. Please send any articles or classified ads to [tim.pilat@gmail.com](mailto:tim.pilat@gmail.com).

**Exchanges (Austin Braganza):** no report

**Webmaster (Rob McLure):** no report

**Library (Jim Everson):** no report

**PAP (Ken King):** The annual MAS Christmas Party will be held at New Berlin Bowl on December 15 from 1:00 until 5:00. \$10 for adults and \$5 for children ages 3 to 12. Great food, a visit from Santa and the funny money auction will ensure a fun time for all. The Please save the date!

**BAP (Andy Hudson):** The accounts will be updated soon.

**FAAS (Dan Randall):** No report

**HAP (Aaron Glass):** no report

**C.A.R.E.S. (Rob McLure):** no report

**Store liaison (Don Hinske):** no report

**Manufacturer's liaison (Bonnie King):** no report

**Auction:** Upcoming auction – October 13th

**Fish-o-Rama:** Upcoming Swaps – November 10th and January 12th.

**Old Business:** The planning for the Milwaukee Fish Bowl 2014 continues. The tentative date range is September / October 2014. Quotes are expected from New Berlin Bowl soon.

**New Business:** none

**Speaker:**

Steve Lundblad presented Lake Malawi cichlids. This lake is the ninth largest in the world. It is 350 miles long by 50 miles wide and 2275 feet deep. It hosts a thousand species of fish! Steve has collected fish from this lake and he offered his experiences as well as amazing fish photos and facts. The lake includes islands, submerged reefs, swallows as well as very deep areas. Some of the fish populations are being impacted by local consumption!

To maintain these fish, Steve recommends a 40 to 60 gallon aquarium with a sand bottom. Keep about 6 females for each male along with some dither fish (rainbows, danios, etc.). Maintain good filtration and frequent water changes. Feed flake (OSI), pellets sparingly (Extreme), blood worms and especially black worms. Be careful not to overfeed.

Thank you Steve for such an informative talk.

# Milwaukee Aquarium Society

## General Meeting Minutes

September 20, 2013

**Membership (Jerry Michels):** We currently have 49 paid members.

**Treasury (Jerry Michels):** We currently have \$13,264.68, of which the library has \$154.16, and CARES has \$145. The August mini auction sold 25 bags for \$142 bringing our YTD to 189 bags for \$1,059.

**Splash (Tim Pilat):** Would you like to share your successes (or failures) of your fishroom with the other members? Please send any articles or classified ads to [tim.pilat@gmail.com](mailto:tim.pilat@gmail.com).

**Exchanges (Austin Braganza):** no report

**Webmaster (Rob McLure):** no report

**Library (Jim Everson):** no report

**PAP (Ken King):** The annual MAS Christmas Party will be held at New Berlin Bowl on December 15 from 1:00 until 5:00. \$10 for adults and \$5 for children ages 3 to 12. Great food, a visit from Santa and the funny money auction will ensure a fun time for all. The Please save the date!

**BAP (Andy Hudson):** Please congratulate the following members for their BAP award achievement.

Rob McLure	Master Breeder Level 1
John O'Conner	Master Breeder Level 2
Andy Hudson	Master Breeder Level 3
David Timmer	Milwaukee Breeder of the Year 2009 and 2010 twenty tanks and under
Ted Judy	Milwaukee Breeder of the Year 2009 and 2010 twenty tanks and over

**FAAS (Dan Randall):** Please congratulate the following members for their FAAS award achievement.

Rob McLure	Spawning Report
Austin Braganza	Exchanges Article
Tim Pilat	Club Editor

**HAP (Aaron Glass):** no report

**C.A.R.E.S. (Rob McLure):** We now have six MAS Members maintaining 18 species. Please congratulate: Jeff Kleba, Kathy Williams, Jerry Michels, Rob McLure, Jeff Williams, Rock Smith

**Store liaison (Don Hinske):** no report

**Manufacturer's liaison (Bonnie King):** no report

**Auction:** no report

**Fish-o-Rama:** no report

**Old Business:** The MAS Zoo Event was enjoyed by about 20 MAS members. We enjoyed a behind-the-scenes tour of the Milwaukee Zoo, including the Aquatic Center and the Stingray Exhibits. In gratitude, MAS became a "Platy Member" of the zoo. This membership includes numerous benefits including free admission and parking passes for the next year. Contact Rock Smith if you are interested.

**New Business:** Elections for MAS Board positions will occur at the November General Meeting. Jerry Michels has announced that he will no longer seek the position of Treasurer. Jerry has been a member of MAS for 23 years and has served in the capacity of Treasurer for 21 years. Thank you Jerry for your service! Several other MAS Leadership positions will also become available eg. co-Librarian, and Speaker Chair. Please consider if now is the time for you to help the Society.

The Wisconsin Area Killifish Organization WAKO will hold its 33rd annual Egg-Laying Toothcarp Jamboree on November 2-3 at the Ramada Hotel-airport. Be sure to attend. This is one of the best Killi shows in the United States.

Plans are developing for the 2014 Milwaukee Fish Bowl for November 8–10, 2014. This mini-convention will include guest speakers, a decorating contest, a rare fish auction, a swap, a general fish and plants auction, and fun family events like bowling. Mark it on your calendar! Contact Andy or Rock if you want to help.

**Speaker:**

Gary Lange presented the topic of Rainbow Fish. He focused his talk on his fourth collecting trip to the country of West Papua which shares the island with New Guinea. This trip occurred in August of 2012 and seemed to be under very adverse conditions. Gary's motto was "its not a problem .. its an adventure"!

Rainbow fish are active and beautiful. They love planted tanks and will be especially colorful in the morning. One pair may lay 15 to 20 eggs daily in spawning mops.

Gary has collected un-named species on each of his collecting trips. He estimates that only 50% of the rainbow fish have been "discovered". Gary donated some egg hatching kits for the mini-auction. Thank you Gary for such an informative talk.

# Milwaukee Aquarium Society

## Board Meeting Minutes

August 8, 2013

The August Board meeting was held at Tim Pilat's house. It was called to order at 7:55 pm. In attendance were Jerry Michels, Tim Pilat, Don Hinske, Austin Braganza, Andy Hudson, and Rob McClure.

**Membership Report:** We currently have 46 paid members.

**Treasurer's Report:** Jerry Michels reported that we had a balance of \$14,352.37 in the account. Of which the Library had \$149.16. The CARES balance was \$145.00.

Last month's auction bag totals was 33 bags for \$175.00 Year To Date there have been 238 bags for \$917.

**Webmaster report:** Website is up to date and the server for the forum lease has been renewed.

**Secretary's report:** No Report

**Splash Editor report:** No Report

**VP report:** No Report

**President's Report:** No Report

### **Old Business:**

The zoo trip on July 27th was discussed. Although there was some confusion as to how to enter the park before opening hours that caused the group to become separated, overall it was an enjoyable experience for those that went. Rock was commended for putting it together in absentia. Vote to purchase Platypus membership for the club passed 5-1.

### **New Business:**

Discussion about MAS mini convention in 2014. Andy and the Smiths working as committee to develop plan. Plan was presented but there is concern about

proper income and expense as well as organizing a hotel. Committee will work on income and expense plan to present to the board at the September board meeting.

Based on the current plan drafted by the committee Tim Pilat motioned to continue development of the convention plan. Passed 6-0.

The next Board meeting will be at Jerry's house on September 7th at 1 P.M.

Meeting adjourned at 9:42 P.M.



## Splash Classifieds

(Place your Ad Here for items you wish to sell or are looking for)  
Contact Jerry Michels or Austin Braganza for ad information.

# Milwaukee Aquarium Society

## Board Meeting Minutes

September 7, 2013

The September Board meeting was held at Jerry Michels' house. It was called to order at 1:11 pm. In attendance were Jerry Michels, Tim Pilat, Jim Everson, Don Hinske, Austin Braganza, Brian Torreano, Ken King, Rock Smith and Rob McClure.

**Membership Report:** We currently have 47 paid members. Following the October auction, new memberships will cover the remainder of 2013 and 2014. The address database maintained by Aaron is working well, but we need a backup for disaster recovery purposes. Rob will work on this.

**Treasurer's Report:** Jerry Michels reported that we had a balance of \$13,589.37 in the account. Of which the Library had \$154.16. The CARES balance is \$145. Last month's auction bag totals was 25 bags for \$142. Year To Date there have been 189 bags for \$1059.

**Secretary's report:** No Report

**Splash Editor report:** The August and October Splash editions will be combined this year.

**VP report:** No Report

**President's Report:** No Report

**Old Business:**

**New Business:**

We discussed the current society responsibilities of CARES coordinator and of Splash printing / mailing coordinator relative to PAP points. After discussion, Tim motioned that CARES be considered a committee. Jerry made a second and the motion passed unanimously. After discussion, Tim motioned that printing / mailing be considered a chair position. Rob made a second and the motion passed unanimously.

The CARES program now has 7 participants. Rob bought some Rainbow CARES fish for the next mini auction. The proceeds will go back into the CARES fund.

Jim will be resigning from Speaker chair and is seeking a “co-librarian”. We will seek replacements.

Jerry will be resigning from Treasurer and Membership chair positions at year end. We will seek replacements.

MAS is now a Platypus Zoo Member. Any MAS member can borrow the membership card for free admission to the zoo. (This admission includes a “car load and parking!”) Rock will serve as our “zookeeper”, promoting this member benefit and managing the membership cards and zoo passes. We agreed that a \$20 deposit will be required for checkout of the card, to help the card find its way back to the “zookeeper”.

The MAS Christmas party is scheduled for December 15 from 1:00 until 5:00. We have not yet received any auction items from manufacturers. Jerry motioned that the board authorize a \$500 budget to Ken for purchasing such items. Rob made a second and the motion passed unanimously.

We discussed the clubs AV equipment. It is very dated and at times we appear unprofessional during general meetings. Rob will research replacements for our laptop, projector, and screen.

The next Board meeting will be at Andy’s house on October 5th at 1 P.M.

Meeting adjourned at 2:28 P.M.



# Milwaukee Aquarium Society

## Board Meeting Minutes

October 5, 2013

The October Board meeting was held at Andy Hudson's house. It was called to order at 1:40 pm. In attendance were Jerry Michels, Tim Pilat, Jim Everson, Don Hinske, Austin Braganza, Andy Hudson, and Rob McClure.

**Membership Report:** We currently have 53 paid members.

**Treasurer's Report:** Jerry Michels reported that we had a balance of \$12,688.64 in the account with 46 paid members. Of which the Library had \$165.16. The CARES balance is \$67.65. Last month's auction bag totals was 40 bags for \$363.00 Year To Date there have been 229 bags for \$1422.

Recently we paid for November speaker, auction post cards, club mail box, etc.

**Secretary's report:** No Report

**Splash Editor report:** No Report

**VP report:** No Report

**President's Report:**

**Old Business:**

Milwaukee Fish Bowl 2014 – planning is proceeding well. We may be able to break even or better.

**New Business:**

Candidates for positions – Jeff Kleba, Jeff Williams, Scott Pederson, Nick Ternes, Brian Toriano, Jason R., Moses, Connie

president – Austin

vice president – Rob

treasurer – Tim

secretary – Andy

sgt at arms – Rock?

member at large – Don  
member at large –

speaker chair – Rob?,  
store liaison team – Don (chair), Andy, Rob, Jerry  
splash editor – Andy  
co-librarians – Jim, Don  
membership chair – Connie?

We discussed the desire to have the positions of president and treasurer filled by current board members. Austin made a motion to ammend article 5 of the MAS constitution to requires this . Andy seconded. All voted unanimous. This will be published in the Splash.

The next Board meeting will be at Austin Braganza’s house on November 2nd at 1 P.M.

Meeting adjourned at 2:06 P.M.

## The following Stores Support M.A.S.

Aquatics Unlimited      3550 S. 108<sup>th</sup> St Greenfield, WI 53228 (414) 543-2552

Best Fish                      1335 N. 3<sup>rd</sup> St. Milwaukee, Wi 53212 (414) 224-0486

Feed Bag    10900 N. Port Washington Rd Mequon, WI 53092 (262) 241-7061

Gary’s Pet Jungle    2857 S. Howell Ave., Milwaukee, WI 53207 (414) 744-3338

Hoffer’s Tropic Life      7323 N. 76<sup>th</sup> St. Milwaukee, WI 53223 (414) 353-6553

Marineland Pets      3519 W Villard Ave, Milwaukee, WI 53209 (414) 527-2511

Pet Supply Port      620 E. Green Bay Ave. Saukville, WI 53080 (262) 268-9966

**REMEMBER to show your M.A.S. membership card to possibly receive discounts on your purchases.**

# THE SPLASH

The Splash is the official publication of the Milwaukee Aquarium Society, and is published six times per year under the direction of the Board of Directors.

Articles are always welcome. Please submit them to the editor (Tim Pilat) no later than the first day of even numbered months to be included in the next issue. Articles should be submitted in digital format to [tim.pilat@gmail.com](mailto:tim.pilat@gmail.com).

We will gladly exchange our publication with all interested societies. Please mail exchanges to **Exchange Editor, P.O. Box 250824, Milwaukee, WI 53225**. Reprints of articles published in the Splash are always permitted and encouraged, provided that credit is given in reprinting to The Splash, author and Society. It is also requested that a copy of the issue containing the article reprinted be sent to the address above to be shared with the author. This would be in addition to any exchange copies.

Please inform the editor of any address changes in forwarding of this publication to members or other societies.

## THE MILWAUKEE AQUARIUM SOCIETY

The Milwaukee Aquarium Society is an organization devoted to the hobby of tropical fish, both freshwater and saltwater. Its membership consists of hobbyists gaining expertise in all phases of raising and breeding tropical fish, as well as area retailers. Our membership expertise covers a wide range, from beginners to expert breeders, but all members are interested in promoting the hobby and encouraging others to join in the fun.

General meetings are held monthly, the third Friday of the month, 7:30 p.m. at **Hoffers's Tropic Life Pets, 7323 N. 76th Street, Milwaukee**.

We thank them for their hospitality. Free parking is available, and guests are always welcome. No general meetings are held in July or December.

Annual membership dues are \$20.00 for a Family and \$15.00 for an individual. Membership dues provide for the Splash, monthly speakers, community support, annual events, and show support. A yearly subscription to the Splash is available for \$15.00. New or renewal of membership dues should be sent to the treasurer: **Jerry Michels 6333 W. Boehlke, Milwaukee, WI 53223**

## ***The Splash***

The Official Publication of the  
Milwaukee Aquarium Society, Inc.

Milwaukee Aquarium Society, Inc.  
P.O. Box 250824  
Milwaukee, WI 53225

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