

# TANK

JANUARY 2017

VOLUME 46, ISSUE 1

# TALES



**Servicing, Protecting & Promoting a Responsible  
Aquatics & Pet Industry  
Presentation by Peach Reid**

**January 21st at 1:00—Bird-in-Hand Fire Company**

**TRUE ROTALA  
INDICA**

MICHAEL BUCHMA

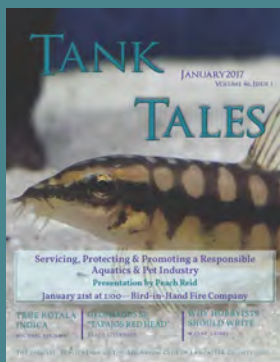
**GEOPHAGUS SP.  
“TAPAJOS RED HEAD”**

KLAUS STEINHAUS

**WHY HOBBYISTS  
SHOULD WRITE...**

WAYNE LEIBEL

# TANK TALES™



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Michael Buchma

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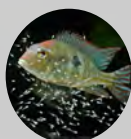
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# PRESIDENT'S MESSAGE

## IT'S NEVER TOO LATE TO GIVE A "PRESIDENT'S" MESSAGE

Our December meeting had to be canceled due to the concerns over the weather and concerns for the membership. This meant that we were unable to hear the 10-15 minute presentations that some of our members had put together. I am particularly disappointed to have missed out on Clair Klinedinst's talk on how he exercises his culling policy on his excellent swordtail strain. Maybe he can do this at a later date.



In other news, at the time that I was elected to be Club President, I was unemployed and able to fulfil the role. However, since then I have been successful in gaining employment but, the downside is that my work schedule as the "newbie" means that I have to work every weekend. This means that I will no longer be able to attend any club meetings – and with it no Board meetings. With this in mind I have had to advise the Board that I have to resign from the role. Therefore a new choice for President is necessary.

Please consider the club's needs and think about volunteering for the position.

~Alan

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# EDITOR'S NOTES

ACLC Members,

We have received some response to our request for articles and photos. For those who haven't responded, please read the great article written by Wayne Leibel that we republished on page 12 of this issue of Tank Tales. Wayne explains things in a way that hopefully will inspire us all. There are many members who are waiting to hear about your experiences in this hobby and nobody can describe those except YOU! Tell us all about your successes, and your failures, ask questions in your story and give us tips about what seems to work for you. I know this may be hard to believe but we are all interested in your experiences. This is the way we all learn. By listening to what others have tried, whether it was successful or not, helps us all learn new ways to make this hobby better. **So let's write!**

**It's your Club, Your Tank Tales!**

Thank you

Tim & Kurt

Send all communications for Tank Tales to [editor@aclcpa.org](mailto:editor@aclcpa.org)

**Deadline for February Tank Tales is February 2nd!**



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# JANUARY PROGRAM

**Servicing, Protecting & Promoting a Responsible  
Aquatics & Pet Industry**

**by Peach Reid**

Laura “Peach” Reid is the Owner, President and CEO of Fish Mart Inc., located in West Haven, Connecticut. Fish Mart services over 500 retail stores throughout the northeastern United States with a full-line of aquatics, small animals, birds and reptiles, making deliveries with their own fleet. Peach has long been an active member of PIJAC and currently serves as the Chair of the Board of Directors.



## **Time & Place**

**Saturday, January 21st  
at  
1:00 PM**

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Reef Conservation Society  
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- AT THAT FISH PLACE - THAT PET PLACE -

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RAFFLE AT 3PM!

**\$10**  
PER PERSON

**\$20**  
PER FAMILY

LUNCH INCLUDED

Register online or at the event.  
To pre-register & arrange trades, visit [fragswapper.com](http://fragswapper.com)

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Saturday, January 21st • 10am - 5pm

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Limit one per person, while supplies last.



For more information about Reef Conservation Society, visit [www.ReefCon.org](http://www.ReefCon.org)

# PROPOSED BYLAW CHANGE

The Aquarium Club of Lancaster County’s Board of Directors has proposed a change to the current Bylaws. Due to the cancellation of our December meeting, the changes will be voted on at the next general meeting on January 21, 2017 at 1:00PM at the Bird-in-Hand Fire Company. All members of the Aquarium Club of Lancaster County are eligible and encouraged to vote. Changes are outlined below.

## Current Bylaw 4—Section 1

### **Bylaw 4**

#### **SECTION 1<sup>2</sup>**

#### **Directors and Chairpersons**

The following table demonstrates the relationship between Directors and Current Committee Chairs. Directors are a voting member of the Board of Directors and cannot be an elected member of the Executive Board.

DIRECTORS	COMMITTEE CHAIR
Program Director	BAP Chair WAAP Chair ACLCL C.A.R.E.S. Coordinator Bowl Show Chair HAP Chair
Public Relations Director	Tank Tales Editor Exchange Editor Social Chair Webmaster Marketing Chair
Financial Director	Auction Chair Raffle Chair Sponsor Coordinator

The President, with the approval of the Executive Board shall appoint the committee chairpersons from the general membership and appoints a Director either from the committee chairs that report to that Director or another suitably qualified candidate from the general membership. Directors are responsible for reporting on activities of their reporting chairs at each meeting of the Board of Directors or as requested by a member of the Executive Board. The Chairs of the Audit Committee and the Nominating Committee are Independent of this structure and are appointed by and responsible to the Executive Board. Other committees may be formed as deemed necessary and will report to a Director based on the function of that committee.

## Proposed Bylaw 4—Section 1

### **Bylaw 4**

#### **SECTION 1<sup>2</sup>**

#### **Directors , Committees & Chairpersons**

*(Continued on page 9)*

# PISCATORIAL PEARLS

“Reviewing Aquarium Society Newsletters from Around the World”

We are going to start the new year off with a stop in the Garden State for 3 articles in the October and November Issues of the [North Jersey Aquarium Society's Reporter](#). The first article is in the October 2016 issue and is titled “[Aquarium Husbandry of the Tiger Limia](#)” by Paul Loiselle.

Paul gives his normal fantastic description of his experiences with this great little livebearer. Next are 2 articles from the November 2016 issue starting with Dr. Paul's Fish of the Month which this month is “[Pelvicachromis silviae](#)” a recently described West African beauty. The final article in the November 2016 issue is titled “[Geophagus proximus](#)” by Chuck Davis that give us all of Chuck's observations while maintaining this South American Cichlid.

Our next stop is back here in the Keystone State for 3 stories in the November 2016 edition of the [Greater Pittsburgh Aquarium Society's Finfoformation](#). The first story is titled “[Fundulus grandis grandis—Spawning a Giant](#)” by Joe Doyle and gives us details on Joe's success with this large North American killifish. Next, Joe Doyle gives us a great, easy to follow travelogue with the story “[AKA Convention Denver Colorado](#)”. Finally, we have a Native Species Spotlight on “[The Blacknose Dace \(Rhinichthys atrarulus\)](#)” by Dr. Luis Bonachea that gives us some valuable information regarding this attractive little Pennsylvania resident.

Our next stop is in the Evergreen State for an article in the November 2016 issue of the [Greater Seattle Aquarium Society's Northwest Aquaria](#). This article is titled “[Vegetative Reproduction of Aponogeton crispus](#)” by Gary Lange and is a very descriptive article about propagating a beautiful aquatic plant.

Next we head to the Peach State for 2 stories in the December 2016 edition of the [Atlanta Area Aquarium Association's Fish Talk](#). The first story is titled “[I hate these fish](#)” by George Libby and it guides us through George's experience with Betta macrostoma and why he used that title. The other

story is titled “[Planted Tank Info](#)” by Dwayne Ajieren which describes Dwayne's first foray into planted tanks.

The Hoosier State is our next stop for an article in the December 2016 issue of the [Circle City](#)

[Aquarium Club's Fancy Fins](#). This article titled “[A Few Words About The SEP Fishtank](#)” by Jennifer Dillon tells us about the history of a fishtank that Jennifer has been involved with maintaining at her place of employment.

For our next stop we go across the border to visit our Canadian friends for 4 stories in the December 2016 edition of the [Kitchener Waterloo Aquarium Society's Fins & Tales](#). The first story is titled “[Fish Geek Support](#)” by Karen Murray that takes us on Karen's voyage through the world of fishkeeping. Next is a story

titled “[The Story of F. spoorenbergi](#)” by Karen Murray that describes in detail her experiences with the colorful African killifish. “[Out of Africa](#)” is a story by Stuart Morley that gives us a good idea of how to care for the Upside Down Catfish, *Synodontis nigriventris*. Finally, Zenin Skomorowski gives us a very good, detailed travelogue about his trip to the “[Ohio Cichlid Association Extravaganza 2016](#)” that should encourage all of us to attend in 2017.

See you on the 21st!



Kurt Johnston – Exchange Editor  
[exchange@aclcpa.org](mailto:exchange@aclcpa.org)

## IMPORTANT

If you see an article that you would like a copy of, just click on the article title. It will generate an email for you to send to the ACLC Exchange Editor, requesting a copy. If you would like to visit the website of the Club that publishes the newsletter, just click on the club name. If you have any questions contact the ACLC Exchange Editor at [exchange@aclcpa.org](mailto:exchange@aclcpa.org)



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There will be a minimum of two (2) appointed Members-at-Large that will be voting members of the Board of Directors.

There shall be six (6) Standing Committees that will consist of the Chairpersons of the appropriate subcommittees.

The Standing committees and the current subcommittee chairpersons are as follows:

**Programs Committee**

- Breeder Awards Program Chair
- Writers & Artists Award Program Chair
- Horticultural Award Program Chair
- CARES Program Coordinator
- Aquatic Life Education Fund Chair

**Fund Raising Committee**

- Auction Chair
- Raffle Chair
- Special Events Chair
- Sponsor Chair

**Operations Committee**

- Speaker/Program Coordinator
- Membership Chair
- Social Chair
- Equipment (Audio-Visual, IT) Chair

**Public Relations Committee**

- Tank Tales Editor
- Exchange Editor
- Webmaster

**Audit Committee**

**Nominating Committee**

The President, with the approval of the Executive Board shall appoint the subcommittee chairpersons from the general membership and appoints a Member-at-Large either from the subcommittee chairs or another suitably qualified candidate from the general membership. Other subcommittees may be formed as deemed necessary and may become part of the committee that describes the subcommittee's function

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# FROM THE DESK OF ...

## THE TREASURER

With all the activity and changes to the Aquarium Club of Lancaster County in the past two years and the editor's call for information for the newsletter, I thought our membership may like to hear how we are doing and some other bits of information this position can offer. There are numerous changes we have undergone. Some are very apparent, some are subtle but very important to sustaining the club. We have grown in several ways and continue to look to the future. So here is a high-level view and summary of where the club has been financially and organizational wise for about the past five years.

We'll start with the more visible changes. Our meeting place has changed 3 times in the past 10 years or so. Meeting in a church hall, *That Fish Place*, and currently the Hand-In-Hand Fire Company. This may not seem to be a big deal to many members but it is a significant step forward for the club. There are a few aspects to review for something as simple as a meeting place.

First, does the location meet our needs? The church hall was fine for the club 10 years ago, we had basic needs and the hall met those needs. We did pay a small rental fee for the use. It was reasonable and we could absorb the cost. More recently we had the opportunity to meet at *That Fish Place*. This was an opportunity we could not pass up. There was no cost for the room, we got excellent exposure, and we received some perks for our members on meeting day. We may still be there if *That Fish Place* did not need the space we used for our meetings. We needed to find another location.

After a tremendous job by a very small group of members, we did find a new location. The decision was not an easy one for the Board, but they made the decision as well as a few other decisions (more later). This facility speaks for itself. We have an excellent working relationship with the members of the fire house, the facility and amenities are top notch with current technology. (Is it me or does anyone else find it interesting the fire house in Bird-in-Hand, PA is so technologically advanced?)

This location charges us a fee to meeting dates. This was a key discussion point when voting on the move. We pay \$125 per meeting to use the facility. This is a lot of money. How were we going to pay the bills? We did a few things.

First change we made – to the dismay of the membership – was to increase the club cut of the auction split. It helps but it was a small addition to the bank account. The second was we decided to expand our speaker pool. We have some excellent local speakers who did not cost a lot of money for a good presentation. If you have been paying attention we now bring in speakers with national notoriety. These speakers are well known in the hobby, in academic world, and published authors. Part of this change was to bring in fresh faces (and money) to the meetings. The last and biggest change was to get the club the status of non-profit. Many people hear this and think, of course your non-profit, you're an aquarium

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club! The non-profit status allows us to receive donations from - almost anyone. Those donations are pure club profit. Read on to learn what the profit has done for the club.

The donations improve the quality of the raffles, they improve the auction items, we can make purchases that were not feasible prior to our new status. The income of money has allowed us to become technologically capable. We have three computers for club use, an electronic publication, we have gone to an electronic auction system, a web site presences, we can afford to meet in a facility that has sound and projection capability, WiFi internet connection, PayPal service, year-end awards, refreshments, we host big name speakers, we have an annual auction that has grown every year over the past five years, and we have hosted a National Convention (the American Livebearer Association). Most of this has occurred in the past 4 years.

Our first annual auction broke even. Every year since then we have increased our profit margin and have increased the size of the event. We split a significant profit with the *Cichlid Club of York* this year because of the *Keystone Clash*. One of the goals of this year's ALA convention was – make it bigger and better than Lancaster's. I will take that compliment any day of the week.

We have developed a good relationship with many aquarium clubs in the area. This is why you see several joint meetings. We do not have problems getting speakers to agree to visit us for a presentation. We are looking to expand this year's *Keystone Clash* in the fall as well as make the *Aquatic Life Education Fund Program* better.

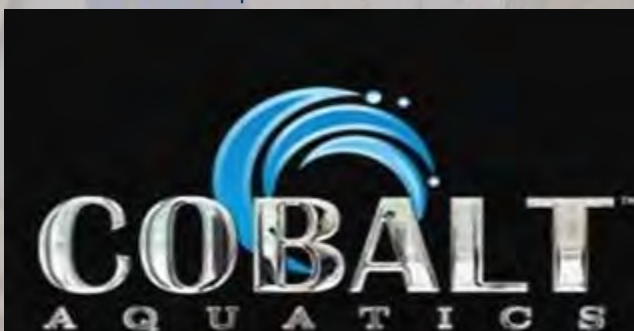
We have spent a lot of money on several projects. The return has been very good. We are in good financial shape. When I first took over as treasurer, we were “in the black”. I mean that we paid our bills, held club activities, purchased what was needed, and kept the club's motor running. Things change – interests, members, events, circumstances. Some members stepped forward and wanted to take the club to a different level.

I do not want to miss anyone so I will not name names. We have some members in this club with exceptional skills, vision, tenacity, generosity, and thoughtfulness. The club has grown on these characteristics of the members. These people were not afraid to set sail in a direction where we lost sight of the shore ... and have taken us to a new a better place.

~Tim Brady , ACLC Treasurer

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# Why Hobbyists Should Write for their Club Journal

~Wayne Leibel

Reprinted from Aquatica, Brooklyn A.S., January-February 2017  
Reprinted from Modern Aquarium, Greater City A.S., October 2016  
Reprinted from Underwater News, Pioneer Valley A.S., February 2011  
First appeared in Shoreline, Jersey Shore A.S., March 2002

We stand on the shoulders of others who come before us. This is no less true of the aquarium hobby than it is for most other aspects of life. We learn by hearing of or reading about other people's experiences. In the case of the beginning hobbyist, this is usually through books or slick magazines. But once having joined an aquarium society where hobbyists of all experiences and abilities meet and exchange ideas (and fish!), our learning increases exponentially. This can happen via speakers invited to share their knowledge specifically because of their expertise in particular areas of the hobby or, better, through informal chat with members of the club over coffee or the auction table, or, yes, through club publications like Jersey Shoreline.

Although my major lifelong hobby interest has been cichlids, I find nuggets of useful information in virtually every talk I have attended, be it about guppies, bettas, or even marine fishes, or in conversation with other members about some weird fish they've spawned, or fielding a question or problem they might bring me (and more often than not I don't have a clue, but learn something from discussing!), or reading an article in the club journal, be it a short BAP report about some fish I have never kept, or a longer feature article. There is always something to be learned, and it is what keeps us vital in the hobby.

A club's publication is its lifeline to the membership and its lifeblood for information exchange. In my talks to various and sundry groups I always try to give hobbyists a pep talk on how what we do as hobbyists is important. I think, as a group, tropical fish hobbyists have a collective inferiority

complex; we think that our experiences in captive rearing and spawning of fishes is unimportant – simply a “hobby” (with all the lack of seriousness that implies), particularly, relative to science. But nothing could be further from the truth! We have much to contribute, even to that serious activity we call “science”. Let me tell you why.

These days, the number of professional ichthyologists and other scientists actively engaged in research on fish has dwindled in favor of more molecularly oriented research. That's where the action and money is these days! Fact is, too, most professional ichthyologists are great with the dead and pickled fish they study and name, and not so good with the living critters! (Though there are some exceptions, thankfully). Also, with so few ichthyologists and so many fish, a lot of interesting observations just never get made: So many fish, so little time, so few professional to do it!

Here's where we hobbyists come in. Our stock in trade as aquarium hobbyists is creating conditions that encourage our fish to spawn in captivity, where we can watch what they do at close range and learn from them. We do this for a variety of reasons: to accumulate Breeder Award points, to have young fish to sell at auction or to stores to help defray the cost of our hobby, or simply for the challenge and bragging rights of being the first to spawn some difficult or little-known, seldom-kept, or new fish. But along with these activities comes the opportunity also to observe – really observe – what our fishes do, record what they do by taking notes

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on the conditions we spawned them under and the behaviors we witnessed, and to share that information with other aquarists either through brief BAP reports or better, through articles published in the club bulletin (or even national slick magazines!). The information is important not just to other hobbyists who would like to learn how to spawn a particular fish but also to science! Really!

Here's one (of several) examples of how hobbyists have contributed to ichthyology in a direct and important way. About 15 years ago, in the mid-1980's, some of us playing with South American cichlids of the genus *Geophagus* (eartheaters) noticed that one of the "species" appearing in the hobby and sold as "*surinamensis*" differed from batch to batch. Although all "forms" had blue and red longitudinal striping along their sides, and the same basic body shape, and all sifted sand for food, they differed in the coloration of their tail fins; some had flag stripes (alternating blue and red), some had spotted tails, and some of the spot-tails had black throats and others did not. We also knew they come from different river systems in South America, since, among others, **Ben Rosler**, (Metropolitan Pets), a knowledgeable local wholesaler, kept track of where they were collected and exported from: Colombia, Venezuela, Peru, Guyana, Brazil, etc.). At the time, ichthyologists (**J. P. Gosse**, 1974) who studied the dead, pickled bodies of these "*surinamensis*" eartheaters, concluded that it was one very widely distributed species. A (then) newcomer to South American cichlid ichthyology, **Sven Kullander**, thought otherwise, and suggested that these were discrete, different species, not just various flavors of *Geophagus surinamensis*, in need of different species names. He thought the colorational and other differences (body shape, scale numbers, etc.) were different enough to justify splitting them as different species.

It was the hobbyists who bred these fish that provided the final clue and proof: some of the popular forms were "immediate" mouthbrooders, and picked them up in their mouths immediately to incubate them to hatching, while other forms were "delayed" mouthbrooders, which pasted their eggs down a rock, guarded them for a few days, then took them in their mouths for final incubation, and some were simply nonmouthbrooding "substrate brooders" who did the typical cichlid thing and pasted and guarded their eggs! Clearly, there was more than one species involved! And it was

hobbyists who provided the crucial information. How did Kullander learn about this? There was no ichthyologist sufficiently skilled in getting live fish to breed in the aquarium, leastwise not Dr. Kullander. He didn't breed these himself, rather hobbyists did and wrote about their experiences in hobby magazines that Kullander had the good sense to be reading, and went "aha"!

In fact, Kullander and other ichthyologists have increasingly looked to the aquarium hobby community to provide observations of fish behavior they would never see in the wild. Have you heard about mouthbrooding severums! Or contact feeding pike cichlids? Of killifish who inject their eggs in to cracks in rocks in fast moving streams? Or splashing tetras that jump out of the water to spawn on overhanging plants? Or bubble nest brooding catfish? Or etc., etc., etc. The list goes on and on, and science would be ignorant of all if it were not for tropical fish hobbyists and the articles they have written about observations they have made in their home aquaria! We should give ourselves a huge pat on our collective back!

Ok, well maybe your experiences breeding this or that may not prove important or crucial to science (although you never know!), but I am certain someone, somewhere, would love to learn about them even if it is just to repeat them and rack up BAP points. Our hobby is, among other things, about generating and sharing information. I can think of no better chatter vehicle for doing this than a fish club, and no better way for sharing the information within and between fish clubs than through club publications, particularly in this age of the internet and websites, where club journals and your writings are posted to the web for all to access and learn from. So, please, really observe your fish, take good notes and SHARE them with the rest of the tropical fish community by WRITING FOR YOUR CLUB PUBLICATION.

**Please write!**

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# ABOUT THE ACLC™

Established in 1972, the Aquarium Club of Lancaster County is dedicated to further the study of all forms of aquatic life, to promote interest, exchange ideas, distribute information concerning the aquarium hobby and to encourage the breeding and display of aquatic life. The ACLC is an affiliated member of the Northeast Council of Aquarium Societies, Federation of American Aquarium Societies, International Guppy Education & Exhibition Society and the C.A.R.E.S. Preservation Program. The ACLC also actively supports and encourages our members to join the American Cichlid Association, American Livebearer Association, American Killifish Association and any other International, National, Regional or Local Club and Societies. In 2015 we hosted the American Livebearer Association Convention and in 2016 established the Aquatic Life Education Fund.

The ACLC is scheduled to meet on the third Saturday of each month (except July and August) at the Hand-in-Hand Fire co., 313 Enterprise Drive, Bird-in-Hand, PA 17505. Meetings begin at 1:00 PM unless otherwise noted. Meetings usually are comprised of a program featuring a guest speaker, raffle and door prizes and a mini fish auction, with a period allowed for mingling and refreshments. The philosophy of the club is such that our activities are interesting to both the novice and advanced hobbyist alike. An effort is made to keep business to a minimum at the general meetings, with the board of directors meeting being held quarterly at a pre-established date and time.

DATE: / /

## AQUARIUM CLUB OF LANCASTER COUNTY - MEMBERSHIP APPLICATION

Individual: \$18 – Secondary: \$12 – Family: \$35 – Junior: \$6 (under 18)

Secondary members must reside at the same address and do not receive an additional newsletter. Membership is effective the month you join. Renewals are due the following year of the last day of the month you joined. Make checks payable to: Aquarium Club of Lancaster County. Mail to: ACLC Membership Chair, 590 Centerville Rd. #318, Lancaster PA 17601

Do you want your phone number and email address published? Yes ( ) No ( )

MEMBERSHIP TYPE: ( ) NEW ( ) RENEWAL **for** ( ) Individual ( ) Secondary ( ) Family ( ) Junior

NAME(S): \_\_\_\_\_

ADDRESS: \_\_\_\_\_ City: \_\_\_\_\_

STATE \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

Signature of Parent or Guardian if under 18 years: \_\_\_\_\_

How did you hear of the Aquarium Club of Lancaster County? \_\_\_\_\_

# OFFICERS, DIRECTORS & CHAIRPERSONS

## OFFICERS

President	Vacant	<a href="mailto:president@aclcpa.org">president@aclcpa.org</a>
Vice President	Michael Buchma	<a href="mailto:vicepresident@aclcpa.org">vicepresident@aclcpa.org</a>
Treasurer	Tim Brady	<a href="mailto:treasurer@aclcpa.org">treasurer@aclcpa.org</a>
Secretary	Gary Haas	<a href="mailto:secretary@aclcpa.org">secretary@aclcpa.org</a>
Past President	Jack Lafayette	<a href="mailto:pastpresident@aclcpa.org">pastpresident@aclcpa.org</a>

As of the date of this publication, the 2017 President –elect has resigned and the Executive Board has not made a decision regarding a replacement or confirmed any directors or chairpersons for 2017. As soon as those positions have been announced we will, of course, republish the names and email addresses here.



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# TRUE *Rotala indica*

~Michael Buchma

Rotala is a genus of stem plants from various countries in tropical southern Asia. It is most often seen growing emergent in swampy areas, such as the rice paddy fields. As with many plants often kept in the aquarium hobby, it rarely grows in the submerged state in the wild. There are dozens of different species of Rotala. *Rotala rotundifolia* and *Rotala macracandra* are the most commonly available species for sale in most pet stores. There are also several different man made cultivars such as different variations of red colorations, green colorations, narrow leaves, and more.

In this article, we are going to focus on true *R. indica*. I like to call it true *R. indica* for one main reason. The reason is that for many years, the *R. indica* that has been offered for sale, is not really *R. indica*. 99 out of a 100 times, the *R. indica* that is being sold is actually *R. rotundifolia*. The true *R. indica* has just become available to hobbyists over the past several years.

When attempting to identify these two very different species of Rotala, there are a few characteristics you can keep an eye out for.

When *indica* has just arrived at your dealers store, it will often have small peppercorn sized pink flowers that have developed at the nodes of the plant. *Indica* will continue to grow laterally,

*(Continued on page 17)*





(Continued from page 16)



producing both adult leaves, and flowers at each node. In comparison, *R. rotundifolia* grows spike like flower stalks from the top off the plant, once it has reached a certain maturity. Growth of new leaves will diminish drastically.

In the submerged state, *rotundifolia* commonly grows 2 to 3 leaves at each node. 4 leaves at each node may also happen, but is uncommon. The number of leaves at each node seems to be an indication of lighting conditions. The more light there is, or the closer the plant is to the light source, the more leaves per node. Coloration of the leaves is mostly green. Grow tips range from orange to yellow to pink, depending on overall aquarium conditions. Leaf shape is narrow and oblong.

In the submerged state, *Indica* grows just 2 leaves at each node. Coloration of the leaves is mostly green. Grow tips range from orange to yellow to pink, depending on overall aquarium conditions. Leaf shape is tear drop like.

Caring for *Rotala indica* is as easy as *rotundifolia*. It will grow in a variety of conditions, but if you want it to thrive and look its best, you should follow the recommendations below:

**Water Temperature:** 70-82°F

**Nitrates (NO<sub>3</sub>):** 5-10ppm

**Phosphates (PO<sub>4</sub>):** 1-2ppm

**Iron (Fe):** 0.1-0.2ppm

**General Hardness (GH):** 4-8dGH

**Carbonate Hardness (KH):** 2-4dKH

**Lighting:** Medium- Bright

**Supplemental Carbon Dioxide (CO<sub>2</sub>):**  
30ppm (Recommended but not necessary)



# ACLC SPEAKER SCHEDULE

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2017

January 21st—Peach Reid



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February 18th\*—Greg Steeves

March 18th—Jason Phoomahal

April 8th \*\* - Leslie Dick

May 20th—Scott Maurer

June 17th— Mike Szimugala

***More Details to Come!***

***\*The February meeting will be held at That Fish Place***

***\*\*April's meeting is the 2nd Saturday of the Month***

# NorthEast Council of Aquarium Societies 42nd Annual Convention



GET THEE  
TO  
"THE NEC"

March 10-12 Rocky Hill, CT

THE FAMOUS ALL-SPECIES EDUCATIONAL & SOCIAL WEEKEND FOR ALL HOBBYISTS!

**9 SPEAKERS!**  
**19 PROGRAMS!**

Bill Allen Louisiana	Ted Coletti New Jersey	Mark Denaro Pennsylvania	Steve Edie Missouri	Gerald Griffin Oklahoma	Ruben Lugo New York	Tony Orso New Jersey	Karen Pattist Connecticut	Greg Steeves Texas

**ALL-DAY SUNDAY AUCTION!**  
*Hundreds of fish, inverts, plants, & dry goods*  
**WEEKEND CONSERVATION SILENT AUCTION!**  
**VENDOR & MANUFACTURER HALL!**  
*fish, plants, equipment, & hardscape*  
**NIGHTLY HOSPITALITY ROOM!**  
**CHEF PREPARED BUFFET MEALS!**  
**RAFFLES!      PRIZES!      FREE SAMPLES!**

**4 SPECIALTY CLUB MEETINGS/AUCTIONS!**  
*Open to ALL registered attendees*

<b>NORTHEAST LIVEBEARER ASSOCIATION!</b>	<b>AMERICAN LABRYNTH FISH ASSOCIATION!</b>	<b>SOUTHERN NEW ENGLAND KILLIFISH ASSOCIATION!</b>	<b>NORTHEAST FISH TUB &amp; WATER GARDEN STUDY GROUP!</b>

**AREA ATTRACTIONS:** *Dinosaur Tracks State Park, Mark Twain House, Wadsworth Museum*

 <b>EXQUISITE GUEST ROOMS &amp; AMENITIES!</b> 	 <b>PHOTO COMPETITION!</b> 	 <b>CICHLID SHOW!</b> 	 <b>GUPPY SHOW!</b> 	 <b>KILLIE EXHIBITION!</b> 
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**find us on facebook.**

**REGISTRATION & SCHEDULE:**  
[www.northeastcouncil.org](http://www.northeastcouncil.org)

BRINGING HOBBYISTS FROM AROUND THE COUNTRY TOGETHER FOR OVER 40 YEARS

# AQUATIC LIFE EDUCATION FUND

In January 2016, the Aquarium Club of Lancaster County Board of Directors announced a new program, the ACLC Aquatic Life Education Fund. This program has been instituted to assist schools in our area with funding for the continued development of curriculums related to the study of aquatic life. The importance of continued education of young people in this field could not be overstated and we felt that there is no better way to show our support than to develop a means for our club to assist financially.

The program works as follows:

- Five percent (5%) of the ACLC's auction proceeds annually between September 1<sup>st</sup> and August 31<sup>st</sup> will be earmarked for this fund
- The ACLC will also collect any donations offered by members and guests at all meetings and events held during the year and put 100% of those into the fund
- The ACLC will accept nominations from ACLC Members in good standing, for schools to be considered recipients beginning in September of each year and the decision will be made by a vote of the ACLC membership no later than at the March General meeting.
- Nominations should be accompanied by a letter from that school's representative with a description of the program the funds will be used for.
- Schools must be pre-college education facilities from neighboring counties in Pennsylvania, Maryland, Delaware and New Jersey.
- No fees or other costs will be deducted from the funds collected. 100% will go to the school selected by the ACLC. A check will be awarded to that school as soon as possible after August 31<sup>st</sup> each year.

We look forward to this being a long term annual program to help educate our areas' young people in all aspects of our hobby and to promote the conservation efforts necessary for the continued existence of aquatic life.

## IMPORTANT !

**The Aquarium Club of Lancaster County is currently looking for nominations for the 2017 recipient of the Aquatic Life Education Fund proceeds. If you know of any school that could benefit from this program please contact or have the school contact Kurt Johnston at [ALEF@aclcpa.org](mailto:ALEF@aclcpa.org).**

# AQUATIC LIFE EDUCATION FUND JANUARY REPORT

## We're Still Looking



Unfortunately, due to mother nature not allowing us to have a meeting in December, there was no change in the totals for the 2017 ALEF. But we **STILL** need your help! We have yet to find a school to be the recipient of the ACLC members' generosity. If you are aware of any school that meets the requirements, please contact me at [ALEF@aclcpa.org](mailto:ALEF@aclcpa.org).

Thank you

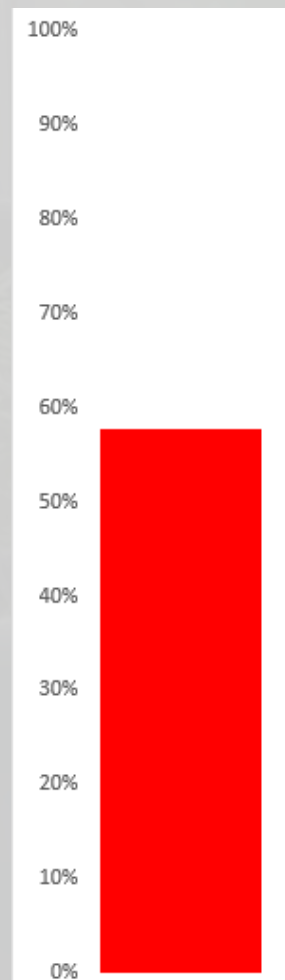
Kurt Johnston

ALEF Chair

**2017 Goal = \$600.00**  
**Current = \$345.96**

40.4%

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# GEOPHAGUS SP. “TAPAJOS RED HEAD”

## *THE FISH THAT CHANGED MY MIND*

The focus of my cichlid keeping has been mainly Lake Tanganyika for the last 30 odd years with some exceptions. The different shapes, sizes and behaviors of these cichlids has always fascinated me like figuring out the social structure in a group of *Tropheus*, the amazing parental care of some of the *Neolamprologus* species, the beautiful display of an *Enantiopus melanogenys* male trying to lure a female into his nest or laughing at the little shell dwellers when they re-arrange their tank. This has made me the subject of many jokes in my home club where South and Central American cichlid keepers are in the majority.

Then about 4 years ago a good friend told me that it was time for me to get involved with some “real” cichlids and offered me some juvenile *Geophagus*.

He told me that they are an undescribed species called sp. “Tapajos red head” and that they were quite difficult to find here in Ontario at the time. I had never maintained *Geophagus* species but have been interested in them due to their unique breeding habits and of course their beauty.

Christoph Seidel and Rainer Harnoss discovered this species in 1991 in the Tapajós River which is a tributary of the Amazon and which joins this great river close to the city of Santarém. The water in this river is very murky which explains the nonexistence of permanently submerged plants. The pH ranges from 6.2 to 6.8 and there is no measurable hardness. The temperature is about

*(Continued on page 23)*

KLAUS STEINHAUS’ interest in Cichlids began in the late 1960’s and led to years of involvement with the German Cichlid Association, Durham Regional Aquarium Society, the American Cichlid Association and CARES Preservation. Klaus was a speaker at the ACLC in May of 2015 and has generously provided this article which was first published in the ACA Buntbarsch Bulletin #257—April 2010.

Klaus’ website is <http://www.buntbarsch.ca/>



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(Continued from page 22)

28° Celsius but it fluctuates up to 12° during the year. However, in the aquarium these fish will accept a pH of up to 8.0 and a hardness of 20° dGH without any difficulty and will not stop them from breeding. This gorgeous cichlid is quite lively and can be a bit aggressive towards conspecifics during breeding. It is therefore advisable to have them in a tank of at least 4 feet in length which will provide them with enough swim room and some wood, rocks and plants for some hiding places.

But back to my story: The timing was perfect because I was getting bored with my frontosa set-up and was thinking about a change. This opportunity made the decision very easy. Until I sold the frontosa and made my 160g into an Amazon set-up, I placed the 5 fish in a 4 foot 65g. They were about 1.5-2 inches in length and still had some growing up to do. By the time they reached about 3 inches, I noticed that they were not swimming in one group any longer. Two pair had separated from the group. They both were busy to clean a flat rock each, one in the left corner and the other in the right corner. Both pair laid eggs which hatched after three days. Both parents took the wigglers in their mouth for a while but then made a good meal out of them. I did not mind since these fish were still very young and obviously needed some practice. This happened several times over the next few months and every time the parents carried the wigglers a bit longer.



However, I never noticed any fry.

Around the same time I was given the “Tapajós”, I went on my annual pilgrimage to the OCA “Extravaganza”. This is always a good opportunity to find South- and Central American cichlids. Southern Ontario is mostly African cichlids. I found some *Geophagus altifrons* which would go

very nicely with the “Tapajós”. The plan was to move both species in the new tank at the same time to avoid any trouble. I also added some small albino *Ancistrus* to help me keep tank and decoration clean. Big pieces of drift wood, some large *Anubias barteri* and a few rocks were used to aquascape the tank. As substrate I chose very fine

silica sand with a grain size of less than 1mm. Under no circumstances should the grain size exceed 2mm. These fish are also called “earth eaters”. They sift through the upper layers of the substrate by passing the sand through their gills looking for anything edible. A grain size larger than 2mm can cause injury to the gills and prevent them from eating. The water temperature is maintained at 78 to 80 degrees Fahrenheit, the pH around 8 and the hardness between 12 to 15 dGH.

So in the tank they went and that was it for the next couple of days. They disappeared under the wood and the plants until they got used to the new environment. Then you could see them sifting through the sand tirelessly all day long looking for food. This is no boring tank, there is always

(Continued on page 24)



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movement. However, I have never seen them fight or noticed any injuries. Since everything went fine, I decided to just leave the tank alone, do the necessary maintenance and enjoy the fish. They were breeding

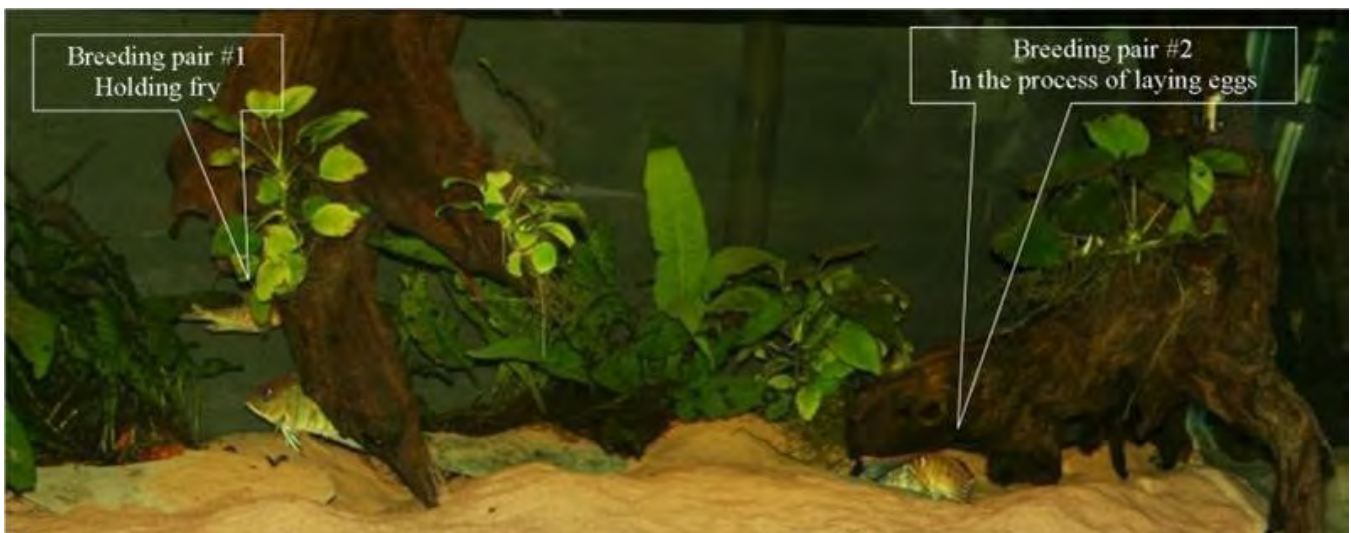


regularly but I have never seen any fry, only males and females holding. So one day I decided to remove one pair and give them some privacy in a 4 foot 65g tank. It took only 3 days and they started to clean a flat rock right at front glass of the tank. The next day I was able to observe the spawning. There were no surprises. It was the same like all other substrate brooders. The female positioned the eggs and the male circled over them to release his sperm. The whole process lasted a few hours with some little breaks in between. The female always stayed with the eggs while the male checked for eventual enemies. When I came into the fish room two days later, all the eggs were gone. My first thought was: "Oh well, the eggs are gone. More luck next time".

time. The fry was released after another few days but just very briefly at first. At that time I started to sparingly add some food. The female spit out the fry immediately and started to go after every morsel of food she could get while the male kept the fry in his mouth. After a few minutes the male too let go of the fry and started to feed. Both parents were very nervous during that time swimming constantly in all directions, picking some of the fry up and spitting them out again. During that time something funny happened. I have air stones in all my tanks to create some water movement. The fry seemed to find the bubbles very interesting and the whole swarm started to swim over and started to "play" in the stream of air coming from the stone. They were lifted up to the surface, came back down to bottom only to be lifted up again. The parents almost went



ballistic trying to gather the fry up again but with very little success. I had to shut down the air flow to calm them down again. After about two days, the



Then I noticed that both parents made a chewing motion, like they were eating something but their mouth stayed firmly closed. That's when I realized that they were holding. They did not eat during that

female seemed to have lost interest in the mouth brooding and it was the male that took them all into his mouth when I got too close to the tank.

(Continued on page 25)



(Continued from page 24)

However, the female always stayed close to the fry. These fish are excellent parents and looked after their babies for about 2-3 weeks. That's when I



noticed that the fry numbers started to dwindle and I siphoned some of the fry out of the tank to grow them out. The fry takes freshly hatched brine shrimp from the beginning without any problems and grow relatively quick in the beginning.



By now you must understand the title of this article. These beauties got me hooked on South American cichlids. I have even started to keep some of the smaller Central Americans. More than half of my 24 tanks are now occupied by New World cichlids or as my fellow club members would say "real cichlids". Don't get me wrong, I will never be without my beloved Tropheus but I have to admit that the "earth eaters" are not far behind. Especially the "Tapajós" have made me realize what I have been missing. The beautiful colors, the pleasant and very interesting behavior plus the manageable size should make this fish a definite on every cichlid lover's wish list.



Personally I have set my eyes on yet another earth eater: *Retroculus xingensis*. Well, one of these days I will find them.....

References:

**Rainer Stawikowski / Uwe Werner:**

*Die Buntbarsche Amerikas,  
Band 3: Erdfresser, Hecht- und Kammbuntbarsche,  
page 317-320*

**Thomas Weidner:**

*South American Eartheaters, page 164-168*

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# C.A.R.E.S. REGISTRATION

## January 2017 CARES Report

No news on the CARES front this month. So let me point you at some old news.

Some of you may not be familiar with CARES, or more correctly, C.A.R.E.S. Preservation. CARES is an acronym, standing for “**Conservation, Awareness, Recognition and Responsibility, Encouragement, Sharing and Support**”.. To quote from CARES documents no longer readily available on the web, the program “is based on the critical and timely significance of Conservation, our Awareness, as hobbyists, of the issues involved, the public Recognition of members, our Responsibilities as fish keepers, member Encouragement, Sharing of fish and data, and Support for those who take part in playing a vital role in ensuring a positive future for species-at-risk. The purpose of the C.A.R.E.S. Preservation Program is to encourage hobbyists worldwide to devote tank space to one or more species-at-risk, while forming an information network between aquarists, scientists, and conservationists”

The idea is, CARES encourages you, the aquarist, to give a place in your fish room to fish that are endangered in the wild. A list of fish meeting CARES criteria is maintained at the CARES Facebook page, in a PDF file you can download. The Facebook page is the public face of CARES, its only online presence. Its formal title is “C.A.R.E.S. Preservation” – you need to put in all the periods in the word C.A.R.E.S. to find it easily.

To participate in the CARES program, three things are required. First, acquire a species listed on the CARES Priority list described above. CARES fish are frequently available at ACLC and CCY auctions (both clubs participate), and are usually identified as CARES fish. ACLC encourages members auctioning CARES fish to attach a tag, available at the auction table, to their CARES items, to make it easy for the purchaser to register them with the CARES program. Any way you acquire the fish is okay, (though we do discourage stealing them). Some fish common in

aquarium shops are endangered in the wild, for example, White Cloud Mountain Minnows and Cherry Barbs, and are CARES fish.

Second, you must register your CARES fish with the ACLC CARES coordinator (me). At a ACLC meeting, you can simply sign and turn in the CARES tag on your auction purchase, placing it in the CARES box at the sign-in table or handing it directly to me or another club officer. Or you can send me an email, identifying the species, when you obtained it, and who you obtained it from.

Third, you must participate in our annual CARES census. Early each year, you will receive an email from the CARES coordinator, with a list of the CARES species he believes you have in your fish room, based on the species you have registered in the past. Simply correct the list, identifying CARES species you no longer have or that are somehow not on the list. The CARES database will be updated accordingly.

The 2017 CARES census will be distributed soon. I look forward to learning what you have in your fish room at the beginning of this year. And I look forward to learning what you have added as the year progresses.

~Gary Haas  
ACLC CARES Coordinator




# C.A.R.E.S. REGISTRATION


## SYMBOL KEY

The Gold Seal , designates that species is registered in ACLC CARES

The Green Seal , designates that a spawning report has been published in Tank Tales.

The Blue Seal , designates that species has been distributed and registered within the ACLC


The Red Seal , designates that species has been distributed and registered in another clubs' CARES program.

Longevity Seal , indicates the number of years the member has maintained the species.




























































































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## JOEL ANTKOWIAK

Tanichthys micagemmae	   	5
Ameca splendens	   	5
Tanichthys albonubes	   	4
Puntius denisoni	   	4
Pseudotropheus saulosi	   	3
Prognathochromis perrieri	   	3
Pseudotropheus demasoni	   	3
Puntius titteya	   	2

## JOEL ANTKOWIAK (CONT'D)

Pachypanchax sparksorum	   	2
Neotoca (Skiffia) multipunctata	   	2
Coptodon snyderae	   	2
Ataeniobius toweri	   	2
Fundulopanchax amieti	   	2
Coptodon bythobates	   	2
Xenotaenia resolonae	   	2
Pachypanchax patriciae	   	2
Rivulus uroflammeus	   	2
Melanotaenia boesemani	   	2
Melanotaenia eachamensis	   	2
Cryptoheros myrnae	   	1
Bedotia geayi	   	1
Xiphophorus malinche	   	1
Zoogeneticus tequila	   	1
Melanotaenia parva	   	
Chilatherina sentaniensis	   	
Paretroplus maculatus	   	
Enigmatochromis lucanusii	   	
Chapalichthys peraticus	   	
Nothobranchius kilomberoensis	   	
Neotoca bilineata	   	
Cryptoheros septemfasciatus	   	
Characodon lateralis	   	
Pelvicachromis silviae	   	
Xenotoca melanosome	   	
Skiffia francesae	   	

# C.A.R.E.S. REGISTRATION



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## STEVE ARNOLD

Tanichthys micagemmae 5

## BARRY BIXLER

Tanichthys albonubes   
Ameca splendens

## GARY BOYER

Xystichromis sp. 'Kyoga  
flameback' 1  
Cryptoheros nanoluteus 1  
Pundamilia nyererei 1  
Ataeniobius toweri   
Ilyodon whitei

## TIM BRADY

Xenotoca eiseni 3  
Zoogeneticus tequila   
Ameca splendens 1

## RICH BRESSLER

Melanotaenia lacustris 4  
Tanichthys micagemmae 4  
Bedotia geayi 2  
Zoogeneticus tequila 2  
Ataeniobius toweri 2  
Xiphophorus malinche 2  
Glossolepsis incisus 2  
Melanotaenia boesemani 1  
Nothobranchius  
kilomberoensis 1  
Chapalichthys peraticus   
Characodon audax   
Fundulopanchax sjoestedti   
Girardinichthys multiradiatus

## PAUL BRICKNELL

Ilyodon whitei (lennoni)   
Zoogeneticus tequila   
Ameca splendens   
Ataeniobius toweri

## JOHN & NATALIE DICKEL

Tanichthys micagemmae 4  
Zoogeneticus tequila 1  
Xenotoca eiseni 1  
Ameca splendens

# C.A.R.E.S. REGISTRATION

## JAYSON GARD

Chapalichthys encaustus	●				1
Tanichthys micagemmae	●				1
Enigmatochromis lucanusi	●		●		1

## GARY HAAS

Fundulopanchax sjoestedti	●	●			3
Fundulopanchax amieti	●		●		2
Puntius titteya	●	●			2
Tanichthys albonubes	●				2
Melanotaenia boesemani	●				1
Nematolebia papiliferus (Inoa)	●				1
Nothobranchius kilomberoensis	●				1
Puntius denisonii	●				1

## KAREN HAAS

## & ALAN ROLLINGS

Synodontis brichardi	●				2
Glossolepis incisus	●				2
Chapalichthys encaustus	●		●		2
Cryptoheros nanoluteus	●				1
Xystochromis sp. "Kyoga Flameback"	●		●		1
Cryptoheros nanoluteus	●		●		1
Characodon lateralis "Los Berros"	●				1
Ilyodon whitei	●		●		1
Ataeniobius toweri	●				1
Pundamilia nyererei	●		●		1
Ameca splendens	●		●		1
Xystochromis phytophagus	●				3
Fundulopanchax sjoestedti	●				3



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## LISA HOEBNER

Xystichromis sp. "Kyoga flameback"	●				
Enterochromis pariopus	●				

## TONY KLINE

Tanichthys albonubes	●				3
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## CLAIR KLINEDINST

Fundulopanchax amieti	●				2
Tanichthys albonubes	●				2
Tanichthys micagemmae	●				2
Fundulopanchax sjoestedti	●				
Chapalichthys encaustus	●				

## BOB KULESA

Pundamilia nyererei 'Ruti Island'	●				
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## JULIE LOVELL

Melanaenia boesemani	●				1
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## DAVE TANGREDI

Ameca splendens	●				1
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## PAUL TANGREDI

Melanotaenia lacustris	●				3
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# HORTICULTURAL AWARD PROGRAM MONTHLY REPORT-DECEMBER 2016

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## PROPAGATOR OF THE YEAR

Gary Haas	19 species
Bressler Family	18 species
Alan Rollings	10 species
Scott Sommer	6 species
Clair Klinedinst	4 species
Charles Vickery	4 species
Joel Antkowiak	1 Species
Karen Haas	1 species

## GARDENER OF THE YEAR

Gary Haas	295 points
Bressler Family	265 points
Alan Rollings	190 points
Scott Sommer	70 points
Clair Klinedinst	50 points
Charles Vickery	50 points
Karen Haas	20 points
Joel Antkowiak	10 points



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## LIFETIME ACHIEVEMENT AWARDS

### **2 Star Gardener**

Gary Haas  
Bressler Family

### **1 Star Gardener**

Gary Boyer  
Alan Rollings

### **Novice Gardener**

Charles Vickery  
Clair Klinedinst  
Scott Sommer  
Karen Haas

**NOTE:** Since the HAP is barely one year in existence, no member has yet to achieve the top 5 categories of 3 star, Senior, Master, Grand Master and Supreme Grand Master Gardener,

# HORTICULTURAL AWARD PROGRAM MONTHLY REPORT-DECEMBER 2016

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## SPECIES PROPAGATED—DECEMBER 2016

### GARY HAAS—25 TOTAL POINTS

Anubias barteri var. nana	10 points
Hydrocotyle sibtorpioides	5 points
Lomariopsis sp. süsswassertang	5 points
Limnobia laevigatum (Frogbit)	5 points

### BRESSLER FAMILY—40 TOTAL POINTS

Utricularia gibba (Bladderwort) *	20 points
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- \* indicates that plant was donated to club auction (2x points)
- + indicates plant was donated & article submitted to Tank Tales
- # donation points only—plant was registered earlier

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# BREEDER AWARD PROGRAM

## MONTHLY REPORT

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The end of the BAP 2016 Breeder of the Year competition was the December meeting, and we had no December meeting. Therefore, the results reported in the December Tank Tales are unchanged, and I have nothing to report. And yet, my editor is expecting a Report, or some content to fill that space. So, let me talk a mite about how the BAP works.

When one of your fish spawns, you can qualify for points in the Breeders Award Program. To get those points, you fill out a form (a “spawning report”) documenting the species, what type of fish it is (barb? killifish? Sardine?), when the spawning occurred (best guess), and possibly a couple more questions about the fish that you will know the answer to. You get the form from the ACLC website (when it is working), here on the pages of Tank Tales or from me, and you submit the form to me ([BAP@aclcpa.org](mailto:BAP@aclcpa.org)) or by using the interactive form at the website. You can also hand me the paper form at a meeting. You also have to demonstrate that you really have baby fish, at least six and at least one month old. Most people bring them to the next meeting and donate them to the auction, which is worth extra points. You can, however, submit a photo or bring them to a meeting and don't auction them. (This is the best way if you have already named them ;- ) Then you receive BAP points.

Points count in three ways. First, all points count towards your life total, and as you breed more and more species and types of fish, you qualify for higher and higher recognition. Just ask Rich Bressler, our F. Wayne Calender Breeder. Second, points count towards Specialist Breeder Awards, which recognize expertise in breeding a certain type of fish. Just ask Joel Antkowiak, our first ever Expert Livebearer Breeder. And Third, points count towards the Breeder of the Year award, presented to the aquarist who has earned the most BAP points in the calendar year. Just ask Karen Haas or Alan Rollings, the winners of the 2015 Breeder of the Year contest.

This is a simplistic description of how the BAP works, but it covers the basics. The complete set of rules is available at the ACLC website, or from me – just send me an email and I'll send you a digital copy. Then, send me a spawning report. And start earning those BAP points. The 2017 BAP year begins NOW.

*~Gary Haas, BAP Chair*

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# BREEDER AWARD PROGRAM INFORMATION

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All ACLC Members in good standing are eligible to participate in the breeders Award Program.

The purpose of the ACLC Breeders Award Program is to promote the keeping and breeding of tropical and marine fish and invertebrates, to recognize and motivate achievement in the hobby, to encourage the development of the skills and knowledge necessary to spawn more difficult species ,to support the CARES program by encouraging the spawning of species endangered in the wild, to share knowledge about breeding techniques and to publish accounts of spawning techniques.

Please use the form on this page to submit spawning reports or for a full copy of the BAP rules and an electronic form submission, go to our website at <http://aclcpa.org>

The Aquarium Club of Lancaster County - Spawning Report					
Member Name:		Member No. #:		Date:	
Scientific Name:					
Common Name:					
If this is a CARES eligible species, have you registered it in the CARES Program Y/N?					
Tank Tales Article Written Y/N ?			Fish Donated in Auction Y/N?		
Comments:					
Class:		Group:		Points:	
Confirmed by:				Date Confirmed:	

The Aquarium Club of Lancaster County - Spawning Report					
Member Name:		Member No. #:		Date:	
Scientific Name:					
Common Name:					
If this is a CARES eligible species, have you registered it in the CARES Program Y/N?					
Tank Tales Article Written Y/N ?			Fish Donated in Auction Y/N?		
Comments:					
Class:		Group:		Points:	
Confirmed by:				Date Confirmed:	

# 2017 KEYSTONE CLASH INFORMATION

Plans for the 2017 Keystone Clash is underway and there will be date and location information at the January Meeting! The members of the committee are looking to recruit all interested members of the ACLC and CCY to help with the planning as well as the event. If you are willing and able to assist the Clash committee at any time between now and the end of the event, PLEASE contact any of the officers or committee members from either club.



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# DANBURY AREA AQUARIUM SOCIETY

Serving the Hudson Valley Area, Westchester, Fairfield, and Litchfield  
Counties

## 32<sup>st</sup> Annual AUCTION - Winter 2016!

**SUNDAY, January 15, 2017**

**OF FISH (All Species), AQUARIUM EQUIPMENT AND RELATED DRY  
GOODS,**

**TO BE HELD AT THE: Knights of Columbus Hall #6318  
10 Fair St  
Carmel, NY 10512**

**No Pre-registration: 1 red dot, 1 add'l dot per 10 bags, 50/50 split, 60/40 for 6 or more  
\*lots, please label your bags (see auction rules)**

\*Acceptable lots will be determined by the auction committee

**Food & Refreshments will be available**

### **AUCTION HOURS:**

REGISTRATION.....8:30 AM TO 11:15 AM

**VIEWING OF GOODS.....10:00 AM TO 11:15 AM**

AUCTION.....11:30 AM TO 5 PM

RAFFLE.....50 / 50

**D.A.A.S. INVITES YOU TO ATTEND!**

# ALA 2017 ANNUAL CONVENTION

All routes lead to St Louis in May!



Brought to you by the American Livebearer Association, Missouri Aquarium Society and Gateway Guppy Association

May 4-7, 2017 in St. Louis

[www.ala2017.com](http://www.ala2017.com) or Email [ALASTL2017@gmail.com](mailto:ALASTL2017@gmail.com) for Further Details!!



**Holiday Inn**

Airport West - Earth City  
3400 Rider Trl S, Earth City, MO 63045  
US Reservations 314-291-6800

## We'll All be There!



**Dr Jim Alderson**  
IFGA  
Guppys



**Dr Lyons**  
GWG &  
Cichlids



**Mike Hellweg**  
Shipping



**Charley Grimes**  
Banquet!



**Shelby Bush**  
Segrest



**Les Wilson**  
Filtration



**Rusty Wessel**  
Livebearers



**Gene Anderson**  
Fancys

**Register Early for Benefits!**

**8 Speakers!**

**Rare Fish Sales!**

**Huge Fancy & Wild Type Shows!**

**Huge Auction!**

See [WWW.ALA2017.COM](http://WWW.ALA2017.COM) for Partial Fish List

*Michigan Cichlid Association Presents*

*Cruisin' for Cichlids*



*ACA 2017*

*Novi, MI  
July 13th - July 17th*

# A.K.A. Convention 2017

May 26<sup>th</sup> – 28<sup>th</sup>

Crowne Plaza - Chicago Northbrook  
2875 N. Milwaukee Avenue  
Northbrook, IL 60062



**Jan Willem Hoetmer**  
The Netherlands  
Collecting and Raising Killifish



**Ron Harlan**  
Collecting Killifish in Bolivia



**Dalton Nielsen**  
Brazil  
Collecting and Maintaining  
the Killifish of Brazil



**Jack Heller**  
Rainy Season Collecting Trip  
to the Peruvian Amazon



**Richard Pierce**  
Killifish of Madagascar

## Also:

A Huge Fish Show with killifish from all over the world

Saturday Morning Killifish Sale

Saturday Evening Banquet and Awards Program

Giant Sunday Auction with hundreds of pairs of killifish  
available including many rare and seldom seen species



For more information email: [convention@aka.org](mailto:convention@aka.org),  
watch our web site or follow us on Facebook

[www.aka.org](http://www.aka.org)

# INTERNATIONAL BETTA CONGRESS BETTACON 2017



*First Coast Bettas*

Aurelia Ogles and Connie Emery, Co-Chairs  
[aureliao@aol.com](mailto:aureliao@aol.com); [cjnemery@gmail.com](mailto:cjnemery@gmail.com)

T-shirts only \$20, Collar/polo shirts \$30

Class Sponsorship \$20

**June 22 thru 25, 2017**

**Early Bird Full Convention**

**Package: \$175** (after May 1 \$190)

- Workshops & Meetings
- President's Reception Thursday night
- Friday Breakfast, Lunch, & Dinner
- Saturday Breakfast, Lunch & Banquet
- Sunday breakfast
- Hospitality Friday & Saturday
- T-shirt (\$10 extra for collar/ polo shirt)

**Meals Only (7 meals) \$125.**

**Breakfasts & Dinners only \$100**

**Workshops & Meetings only \$50**

**Banquet Only \$70**

**Hospitality Room Only \$30**

**Optional Pre-Convention field  
trip to Segrest Farms \$45**

**Orlando Clarion Inn & Suites** 5827 Caravan Court, Orlando, Fl. 32819 \$94. per night plus tax  
 Across the street from Universal Studios and Islands of Adventure (recognized as the Number 1  
 Theme Park in the USA). Orlando Premium Outlets on International Dr. and Sea World are 5-10  
 minutes away. I-4 shuttle takes you to area sites. Disney World, MGM, EPCOT & Animal Kingdom  
 are 20 minutes away. Busch Gardens & Cape Canaveral are 60 minutes away.  
 Go ahead and **RESERVE** your rooms **NOW**. You can cancel up to 24 hours before arrival at no  
 charge. The number to call is **407-351-3800**, everyone at the front desk should be able to  
 book for the group.







Project  
**PIABA**  
Buy a Fish, Save a Tree!

# Join the Project Piaba team for an experience of a lifetime!

Join the expedition to the Rio Negro River in Brazil  
and observe all aspects of the home aquarium fishery.

## The trip includes:

- 2 weeks on a well appointed live-aboard boat
- Visit biological hotspots
- Visit Fishing communities
- Participate in the Ornamental Fish Festival of Barcelos
- Visit home aquarium fish export facilities
- Visit the world-famous Manaus Opera House

**Rio Negro Expedition**  
January 21 -  
February 3, 2017

Contact Scott Dowd for more  
information and to reserve your  
spot for the next Expedition!

**SDowd@NEAq.org**  
**(617) 973-5243**





Cardinal Tetra (*Paracheirodon axelrodi*)

**Project Piaba's mission is to increase the environmental, animal welfare and social sustainability of the Amazonian aquarium fish trade as well as the Amazon itself and its indigenous people.**



- 40,000 people are impacted in the riverine communities in Barcelos (Amazonas state, Brazil) where the home aquarium fishery is the principal subsistence activity.
- The wild-caught fish of the Rio Negro are the first live animals to gain Geographic Indication Certification, like Champagne is to France.
- 46,000 square miles of preserved forest is in the Project Piaba study area.
- Approximately 80% of trade from the artisanal fishery is from a single species, the Cardinal Tetra (*Paracheirodon axelrodi*)

