



## The Greater Akron Aquarium Society

# Tank Topics

May/June 2020

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*Not who you want hanging around your garden pond this summer. . .  
Thanks to Elsie Swanson for the nice picture anyway!*

### 2020 GAAS Board of Directors

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### Important Dates for 2020



**March 1**  
**Spring auction**



**June 13 & 14**  
**Ultra Aqua**

**November 1**  
**Fall auction**

Check out our website: [www.akronfishclub.com](http://www.akronfishclub.com)

## THE GREATER AKRON AQUARIUM SOCIETY

**WHO ARE WE?** We are a local group of aquatic enthusiasts. Formed in 1952, the Greater Akron Aquarium Society is a non-profit, non-commercial organization. Our membership ranges from the beginning hobbyist to the advanced aquarist with many years of experience. The goals of our club are to promote the care, study, breeding and exhibition of aquarium related aquatic life and to promote interest in the aquarium hobby.

**MEETINGS:** Our meetings are held on the second Friday of each month at 8:00 p.m. at the Ritchie Memorial Shelter House, 109 West Avenue, Tallmadge, OH 44278. It is located West of Tallmadge Circle with access from Sperry Ave., behind Vet Clinic and across from the Chevrolet dealer. Visitors are always welcome, it costs absolutely nothing to attend a meeting and look us over.

**MEMBERSHIP:** The cost is only \$10 for adults, a couple or a family (includes children under 10 years of age) and \$5.00 for a junior membership (10 to 17 years) Membership provides an opportunity to socialize with others that share your interests, a subscription to our bi-monthly magazine and more.

**AGENDA:** Our meeting agenda is simple and informal. The meeting will begin at 8:00 p.m. with a short business meeting. Immediately following is the program for the evening which usually lasts about 45 minutes. Our programs consist of a speaker, slide program, movie or perhaps a panel discussion always on a particular subject related to the hobby or various species of fish. Following the program is a short refreshment break. After which the winners of the Bowl Show are announced, the Breeder's Award Program fish are auctioned and tickets are drawn for the raffle.

**THE BOWL SHOW:** Each month members can bring in fish for specific classes to compete for first, second and third place awards. The charge for each entry is only \$.25. Members also compete for annual awards by accumulating wins throughout the year.

**BREEDER'S AWARD and HORTICULTURE AWARD PROGRAMS:** members can receive recognition for spawning species of fish or propagating aquatic plants. All that is required is to turn in a minimum of six fry from the spawn that are between 30 and 90 days old. Members earn certificates for each species and can work towards plaques in different categories.

**EQUIPMENT RAFFLE:** The raffle table has such items as tanks, fish food and aquarium accessories that are donated by national manufacturers, area dealers or purchased by the Society. Tickets may be purchased by anyone attending the meeting.

**ANNUAL SHOW:** The Ultra-Aqua show is held during the summer at the Tallmadge community Center. This has become one of the largest all-species tropical fish shows in North America. It is an international gathering of hobbyists to display their fish in class competition, talk fish and to learn about the hobby from each other.

**TANK TOPICS:** is published on a bi-monthly basis for the members of the Greater Akron Aquarium Society. Articles and comments for this publication are welcome and encouraged. Such articles are to be submitted no later than the board meeting prior to publication. All articles may be reprinted as long as the author(s) and GAAS are given proper credit. Please send any correspondence regarding this publication to:

Editor/Tank Topics, P.O. Box 494, Akron, OH 44309-0494 or email to [dwilliamson223@hotmail.com](mailto:dwilliamson223@hotmail.com)

### The Greater Akron Aquarium Society Membership Form

Name \_\_\_\_\_ Age \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ email \_\_\_\_\_

How did you find out about GAAS? \_\_\_\_\_

Memberships are due one year from the date of joining. Completed membership forms can be turned in at a meeting or mailed to the membership chairman at this address:

GAAS Membership Chairman, P.O. Box 494, Akron, OH 44309-0494

Dues are for 1 year or 2 years if  
email publications are chosen

☐ New

☐ Renewal

☐ Electronic ☐ Mail

Adult (18 years and older) & Family  
(includes children under 10)

\$10.00

Junior (10-17 years)

\$5.00

Dues Collected \_\_\_\_\_ Date Received \_\_\_\_\_



## President's Message

**Bud White**

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Hello Folks

This is not going to be a pleasant report!!

Due to current Covid-19 situation the people we rent the hall for the show from cannot tell us if we will be able to use the hall in June and we cannot wait till 2 weeks before the show date to find out we don't have a place to host the show.

So with a heavy heart I am letting everyone know that GAAS has canceled Ultra Aqua 2020, this will be the only show we have not had in the 40 years

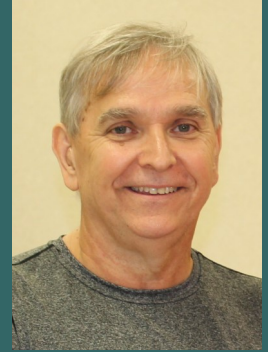
that I have been involved with it.

This is a very hard decision to make but the board was all in agreement .

To those that sponsored and paid for a class in the show, we can give you 2 choices, let us keep and apply the sponsorship to Ultra Aqua 2021 or refund it to you, if you want the refund, sent me a email at [bwhite@neo.rr.com](mailto:bwhite@neo.rr.com) with your information to mail the check to.

Stay safe

Bud White



## Editor's Message

**Dave Williamson**

As I'm sure you've seen elsewhere either in this issue or online you probably know by now that there will be no fish show this summer. Hopefully things will come around later in the year and the Fall auction season won't be ruined for not just us but all the clubs. We were lucky in the fact that we were able to get in our Spring auction before things got too bad. Many of the others didn't get that luxury.

As far as Tank Topics goes, this will probably be the last issue you'll see for a while until we are able to actually start having meetings again. More than half the content in each issue is current club stuff from the meetings and we don't get enough article submissions to warrant putting out an issue every other month until things

pick up. I guess you could take that as a hint to write something with the time off. . . Just sayin'! We will still continue to keep in touch with our membership via emails and through the web site with any information about when we will be able to do something in the future

Personally I have found this whole situation very stressful. Thankfully I only was laid off for 4 weeks and am back at work now. I know from personal experience how bad the "dystopian" thoughts can get, try not to let it get you down. Heck, spend some extra time with your fish you'll probably both be better for it.

Eventually I'll see you at a meeting again!



# Wayne Toven



Spring is here and I am just staying home and doing my water changes, haven't no-

April meeting was cancelled, no surprise there, still no word about the May 8th meeting, but I suspect that it will be cancelled as well. If it is, just stay home and take care of yourselves and your fish.

**BAP**

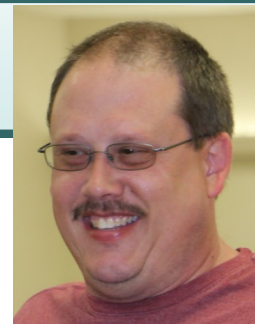
*Labidochromis hongii* Red top Cichlid m.b. 15

Wayne Toven	5	55	0	0	198	304
Dave Williamson	3	35	0	0	315	63
David Girard	2	25	0	0	32	
Rich Serva	1	5	0	0	205	65
Mike/Elsie Swanson	1	5	0	0	38	7
Bud White	1	5	0	0	230	1
Bob Williams	1	5	2	25	5	4



## Membership Report

Mike Swanson



Hello, I would like to say hello to all my fish friends! We have not seen each other in person in a while (I am sure the wife is tired of looking at me). With all of the restrictions from the Global Pandemic I am not sure when we will see each other again. I hope everyone is doing well and enjoying the extra time to tend to the fish tanks. My wife and I have broke down a few of the tanks to clean them and move fish around. We have taken up bird watching from the safety of our van and she has always loved to take pictures.

I would like to welcome our new members:

Seth Serva      Robert Zickefoose      Dave Waskowski      Judith Byrum      Dan Giltz      Paul Adkins

I would also like to thank our members who renewed:

Douglas Singler      Gene P. Justice

I hope we all get to hang out again sometime soon.

**ALL CURRENT MEMBERSHIPS WILL BE EXTENDED ONE YEAR.**

## Exchange Report

Wayne Toven



### Greater Detroit Aquarium Society, Tropic Tank Talk: Feb. 2020

Breeding Black Neons, by Bob Muller

### Youngstown Area Tropical Fish Society, the Youngstown Aquarist: Feb. 2020

Threadfin Rainbowfish (*Iriatherina wernerii*), by William E. Shreves Jr.

### Eastern Iowa Aquarium Society, Fin Flap: Mar. 2020

Acclimation Rethink, by Dick VanHyfte

### Greater Pittsburgh Aquarium Society Inc. Finformation: Feb. 2020

Corydoras C134, by Regina Spotti

### Missouri Aquarium Society Inc. The Darter: Mar/Apr 2020

Noturus stanauli – Pygmy Madtom, by Steve Edie

### Do Fish Need Plants? By Kathy Pilarcik Deutsch

“Hobbyist’s” Guide to Selling Fish, Part 3 – the Perfect Transaction, by Kevin Plazak

### The Serpae Tetra – Hyphessobrycon eques, by Mike Hellweg

My Experiences With Hyphessobrycon sp. “Malinowski”, by Holly Paoni

Axolotls in Your Home – *Ambystoma mexicanum*, the Mexican Walking Fish, by Edgar Valencia Morales

### Motor City Aquarium Society, Tropiquarium: Apr. 2020

White Cloud Mountain Minnow – *Tanichthys albonubes*, My Breeding Experiment, by Dave Costa

### Ohio Cichlid Association, Buckeye Bulletin: Apr. 2020

So, You Have a Snail Problem? By Don Danko

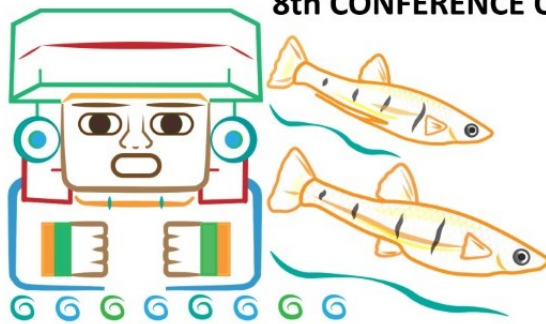
### Kitchener – Waterloo Aquarium Society, Fins & Tales: Apr. 2020

A Tale of Two Stands, by Chris Kidestra

Not Much Color... But Those Lips (Kissing Gourami), by Al Ridley

Rabbit Snails, by Glenn Roberts

My Favourite Central American Dwarf Cichlid – *Cryptoheros nanoluteus*, by Zenin Skomorowski



Representation of Chalchiuhtlicue, goddess of lakes and water currents according to the Mexica mythology, flanked by female and male *Poeciliopsis baenschi*.

## 8th CONFERENCE OF POECILIID BIOLOGISTS

September 24-26, 2019

UNIVERSIDAD NACIONAL  
AUTÓNOMA DE MÉXICO

Mexico City

By Rich Serva

In March of 2019 during an email exchange with Gil Rosenthal (TAMU), Gil told me that he was going back to Mexico in September for a poeciliid conference and I should go to it. I had to ask questions of a few people and see what was information was on line but when someone says “let’s go to Mexico and spend 3 day devoted to livebearer talks” they have me hooked.

Luckily Gastón Jofre (Gil’s lab) came from Mexico City so I got clued in to where to book an AIRBNB (basically a bed & breakfast but very affordable). Gil and a CICHAZ neighborhood kid now finishing his undergrad degree in biology (Osvaldo Hernández) were staying with me so I had some Spanish speaking folks to help with planning food and daily travel so I was set.

So the day came to travel, there a plane change in Atlanta so that was pretty easy. Within the airport are booths that sell taxi tickets for reputable taxis so it was not long before I was heading to Avenida México in the Del Carmen neighborhood of Coyoacán. Before long, I was ringing the door bell and meeting Mireya, my AIRBNB host. Mireya spoke better English than I spoke Spanish so that was a good start. To my surprise, I needed to climb 3 flights of steps but I got there. After crashing for a half hour food was in order so I headed to the ground level where there was a vegetarian restaurant for soup and bread. Again, I lucked out since my waiter spoke very good English; he saved me after 3 words in Spanish. After dinner I picked up a couple of bottles of water, a

Coke light (diet must be a bad word down there), and some Bimbo brand cookies. I set my clock for 6AM and called it a night.

The next morning began three days in a whirlwind. We took a couple block walk to meet Molly Cummings (UT-Austin) and a number of grad students for breakfast then off by uber to Jardín Botánico del Instituto de Biología (UNAM botanical gardens) where we had a 10 minute walk (more like 15 minutes for this old guy) to the conference center. I was much appreciative of Molly Cummings’ shepherding skills and the Uber ride. Once I got into the venue, I was pleased to see researchers that I have met through the years – David Reznick, Molly Morris, Gil (of course), Ingo Schlupp, Zach Culumber, Omar Dominguez, Kees de Jong, Samantha Levell, Dan Powell as well as some (first time met) TAMU grad students and Molly C. I may have felt a little like a fraud for showing up at a Poeciliid Biologist conference but at least there would not be a bunch of “cold (first time) conversations”. After that long intro, I can start talking about the conference.

Considering that there were 34 talks, a

round table and 32 posters presented, I will not be able to talk about each or the entirety of a talk but I can share some of my “take away information”. The first morning with housekeeping and opening remarks by our host, Constantino “Tino” Macias Garcia – so the whirlwind begins.

The first invited speaker was David Reznick whose talk was “Mode of Maternal Provisioning Builds a Bridge between Microevolution and Macroevolution”. David talked some about maternal provision in Poeciliids and how we differentiate between species that provide lots of provisioning (matrotrophy) and the majority of poeciliids which provide little to no provisioning (lecithotrophy). Of the 279 studied populations of 132 species representing 21 genera around 40% would be considered non-placental and another 25% provide enough provisioning to offset most weight loss from absorption of the yolk sac. The rest provide substantial provisioning to the developing embryo. Some hypotheses about placental species were upheld in Bart Pollux’s studies where placental species tend to have longer gonapodia, males tend to be smaller than females, males and females tend to show the same amount of coloration, males do not tend to be ornamented and there tends to be no courtship.

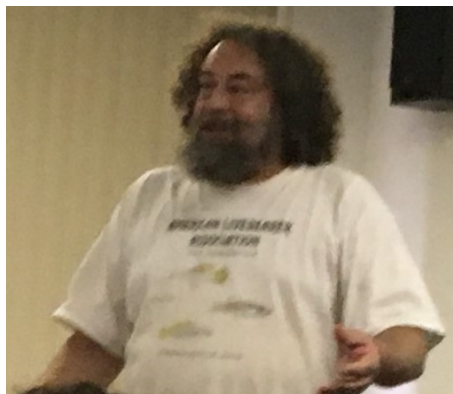
Bart Pollux discussed adaptive benefits of placentas in the family Poeciliidae. “Placentas have evolved many times throughout the animal kingdom in widely divergent lineages. This repeated evolution points to an adaptive advantage; however, the nature of this advantage remains elusive. Theory predicts that the placenta evolves in performance-demanding conditions to reduce the reproductive burden of females, thereby



enhancing their locomotor ability during pregnancy. I will present the findings of comparative studies in which we use different approaches (comparative morphology, biomechanics, life history assessments, simulation modelling and field ecology) to test the prediction that high performance-demanding (e.g. high predation or high flow) conditions drive the evolution of the placenta. We found that females from populations that co-occur with piscivorous predators have a higher degree of placentation; they produce significantly smaller eggs at fertilization and shift more of their provisioning to after fertilization (i.e., during pregnancy). We further found that placentation is correlated with a slenderer body shape, a reduced drag and an improved fast-start escape performance of females during the pregnancy. Collectively, these studies herewith provide important new insights into the causes of placental variation among natural populations and shed light on a potential selective advantage of this complex.” A smaller egg size at fertilization allows placental females to initiate (and gestate) more eggs than same-sized non-placental females. (This is in stable high-resource environments.) A smaller egg size at fertilization improves body streamlining and locomotion performance which aids in higher fitness in high predation environments.”

Samantha Levell’s talk abstract is “The Viviparity-Driven Conflict Hypothesis (VDCH) predicts that the mammalian placenta provides a novel arena for parent-offspring conflict over resources. Parent-offspring conflict is a predicted to result from inequalities in the optimal quantity of resources transferred from the parent to the offspring. This conflict is exaggerated if females mate with multiple males because of lower coefficients of relatedness that result from being a half- rather than a full-sibling. Conflict theory predicts that there will be a reconciliation of conflict within populations but differences among populations in how conflict is resolved. If so, females may be able to recognize and differentially allocate resources to offspring sired by males from her own popula-

tion. The principles of the VDCH can be extended to matrotrophic (embryonic mother-feeding) livebearing fishes (family: Poeciliidae) such as *Heterandria formosa*, which is particularly suited to test the predictions of the VDCH because their populations exhibit dramatic differences in offspring size. In this experiment, females from either large-offspring producing or small-offspring producing populations were artificially inseminated with a combination of sperm from males originating from their own population, a different population, or both. Additionally, treatments consisted of either two or four males (with the volume of sperm held constant) to determine whether mating with multiple males affects offspring number or size within and among broods. Preliminary results suggest that the paternal genome dictates offspring size when males from a single population are used. However, when sperm is mixed from multiple populations of males, the size of the resulting offspring is biased in one population.”



Although Gil Rosenthal talked some about their research on hybrid populations of Pánuco swordtails, a good deal of his talk about their biological station in Calnali (Centro de Investigaciones Científicas de las Huastecas 'Aguazarca'). Gil talked about their outreach in the region and the availability of the station for researchers (especially from Mexican universities) as a base for field researchers. He also went on publicly thank ALA for the support we have given to the scientific community. There had already been made mention of ALA (as Thank you for your support) in Sa-

mantha’s and Andrea’s talks. Those scientists that have gotten to know us (ALA) through grants for their students have shown appreciation of us now the scientific community in general knows who we are.

Molly Cummings’ talk was titled: “Sexual conflict and cognition—reviewing their relationship in poeciliid fishes. Sexual conflict often leads to sexually dimorphic morphologies, strategies and behaviors. We are now beginning to realize that this pervasive evolutionary process has implications for variation in cognition as well. Here I review the evidence for this in poeciliid fishes with a focus on taxa that exhibit high levels of sexual conflict as well as taxa that represent a more moderate level of sexual conflict. Sexually dimorphic behaviors emerge across poeciliids in predictable directions consistent with sexual conflict and associated with sex-specific variation in cognition. Meanwhile cognitive styles and cognitive-behavioral profiles diverge between the sexes in ways that highlight these behavioral differences likely born from conflict. I will highlight ongoing research with poeciliid fishes that aims to provide causal insight into the intertwined relationship between sexual conflict and cognition.”

Manfred Scharl talked about the Genomics and Genetics of Sex Determination in Poeciliids. He discussed how the sex chromosomes are different between the *Gambusia affinis* and *Gambusia holbrooki* populations as well as differences in *Xiphophorus maculatus* sex chromosomes for populations in Belize and the Isthmus of Tehuantepec from those farther north.

Ingo Schlupp led a round table about the beginning stages of establishing a Poeciliid Stock Center. A number of laboratories have offered to devote space to making this happen. Normally University labs and zoos/aquariums would handle this I was in had a chance to through in my two cents. This program would probably offer an outline of best practices but we as hobbyists have a chance of



having a seat at that table. This would require a more what is good for the species (and science) attitude and a less what is in it for me attitude.

Molly Morris presentation was about Alternative Reproductive Tactics (*Xiphophorus nigrensis*), genetically influenced male size at sexual maturity correlated with mating behavior. In this system courter males have higher reproductive success than sneak males.

Gastón Jofre discussed his hybrid zone work. Gastón had recently finished his doctoral work at TAMU and was excited to be able to present at his undergrad university (UNAM). Gastón is now in UNC Chapel Hill for a postdoc>

Megan Pew discussed: “Evaluating the role of sociability on mate-choice copying behavior. Mate-choice copying behavior is found in a variety of taxa including insects, humans, and fish. Previous studies have investigated the effects of physical qualities of model females on the intensity of mate-choice copying in poeciliids. However, studies have failed to address the role of non-physical characters such as sociability. Here we present preliminary results of a mate-choice copying experiment using *Brachyrhaphis rhabdophora*. We used a series of behavioral assays to investigate if *B. rhabdophora* females will mate-choice copy. We also tested the hypothesis that focal females will increase time spent with a non-preferred male after seeing him interact with a preferred female. To test these hypotheses, we performed both a male and female pre- and post-preference test for each focal female. Between tests, we exposed focal females to three different observation treatments: 1) non-preferred male with nonpreferred female, 2) non-preferred male with preferred female and 3) no model interaction. To quantify mate-choice copying, we took the average difference in time spent with the non-preferred male between the post-test and pre-test. Initial findings indicate *B. rhabdophora* do mate-choice copy and behavior aligns with our hypotheses. However, more replication is necessary

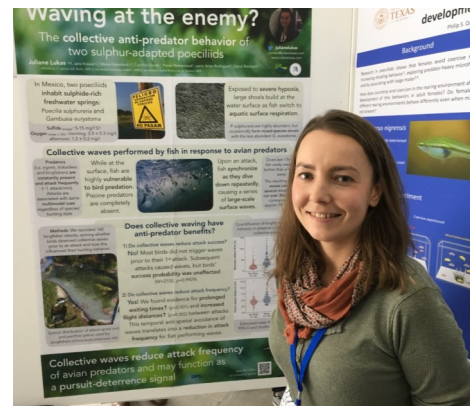
before we make definitive conclusions. If our hypotheses are correct, this study will provide important empirical evidence to support that social qualities of model females affect the intensity of mate-choice copying behavior.”

Amy Deacon talked on, “Escaping the Aquarium: How the Guppy Conquered the World. The guppy (*Poecilia reticulata*) is now established in more than 70 countries worldwide. Both introductions for biological control and the release of unwanted ornamental guppies have contributed to these non-native populations, so founders include both wild and ornamental fish. The process of domestication can select for physical and behavioural traits that may affect invasion ability. We compared the establishment abilities of wild and ornamental guppies in semi-naturalistic mesocosms in Trinidad, alone and in the presence of an intraguild predator (a killifish). We found that both were extremely successful colonisers when on their own. Killifish presence impacted all units compared to controls, but while the wild guppies were able to recruit some offspring, the ornamentals failed to recruit in the presence of the killifish. Our findings open a window on the possible role played by biotic resistance, and its interaction with invader phenotype, in affecting establishment of an exotic poeciliid.”

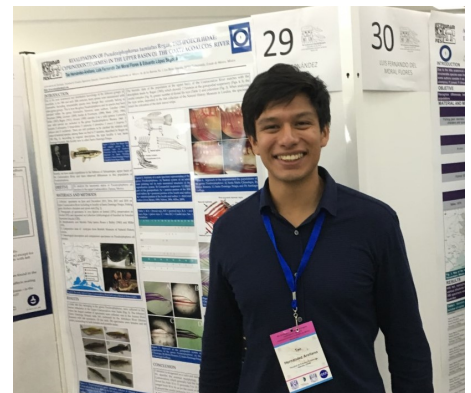
Below is a list of some of the poster presenters and their subjects:

- Dan Powell (Texas A&M, Gil Rosenthal’s lab) - The genetic architecture of sexually selected traits in two northern swordtail fishes. Dan recently finished his PhD work and is now a postdoctoral fellow at Stanford. He was a past recipient of ALA’s VPF grant.
- Ellie Johnson (BYU, Jerry Johnson’s lab) - Evolution of handedness in *Xenophiles umbratilis*
- Emma Lehmberg (Texas A&M, Gil Rosenthal’s lab) - Battle of the sexes: How viviparity-driven conflict may preclude hybridization in the live-bearing Poeciliinae. Hopefully the fish I sent her helps with her research.

- Erik Johnson (BYU, Jerry Johnson’s lab) – Is behavioral lateralization in the tropical fish *Xenophallus umbratilis* related to morphological asymmetry?
- Allie Duffy (BYU, Jerry Johnson’s lab) - Evaluating the role of olfaction in predation risk assessment for *Brachyrhaphis rhabdophora*. She was a past recipient of ALA’s VPF grant.



- Juliane Lukas (Leibniz-IGB, Berlin & Humboldt University of Berlin) - Waving at the enemy: the adaptive anti-predator behavior of two extremophile poeciliids. The study looks at an adaptation by surface dwelling poeciliids that helps them to evade fishing birds. This was voted as best poster presentation. It was pretty cool.
- Philip Queller (University of Texas at Austin, Molly Cummings’ lab) - Is individual variation in female behavior driven by variation in male courtship and coercion?
- Kerri-Ann Bennett (University of Oklahoma, Ingo Schlupp’s lab) - A survey of native and introduced poeciliid fish species in Jamaican rivers



- Tao Hernandez-Arellano



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(Universidad Nacional Autonoma de Mexico) - Revalidation of *Pseudoxiphophorus taeniatus* Regan, 1950 (Poeciliidae: Cyprinodontiformes) in the upper basin of the Coatzacoalcas river. Tao recently received a LFC grant from ALA. He is conducting a fish survey in a remote rain forest region south west of Mexico City.

- Rodet Rodriquez-Silva (University of Oklahoma, Ingo Schlupp's lab) - Thermal tolerance ranges in livebearing fishes of the genus *Limia* (Teleostei, Poeciliidae). Dave Williamson (a member of my local club) is going to fish trade with Rodet which will support Rodet's research and bring some interesting fish to Ohio. Rodet and Samatha Levell presented posters at the Louisville ALA convention.

- Tanja Zerulla (Florida International University, Philip Stoddard's lab) - Melanistic and silver Eastern Mosquitofish (*Gambusia holbrooki*) males respond differently to opponent size and color.

Tanja plans to present a poster at the Florida ALA convention.

Ben Sandkam (University of British Columbia) - Five Guys Colours and Ys, evolution and divergence of *Poecilia parae* Y chromosomes. This is a look at the genetics of the 5 different male morphs of *Poecilia parae*. Whether it is *parae* or the male morphs of the dwarf swords, I have always found this look at morphs and behaviors to be intriguing.

There were a few theme subjects. Poeciliids have been introduced throughout the world for mosquito control to the detriment of native fishes. There are viable populations of guppies on every continent and a number of researchers looking at how that effects local ecosystems.

The other theme subject was conflicts in the biological systems. There is the conflict between growing embryos and the mother (the embryo was as many nutrients as possible and the female has a

need to stay healthy). There is conflict between male embryos and female embryos trying to get the same nutrients from the mother (I know - males are jerks). These are not new conflicts. This genetic code has been around millions of years and have made these species what they are or they would not have survived. No, I am not that smart but I do remember some suggested reading from when I was a graduate student, "The selfish gene". It is an interesting take on how animals are driven by genetic material that drives them to keep passing on that drive to go on to the next generation.

The conference was a fantastic experience and I would like to thank our gracious hosts from UNAM for their hospitality. I enjoyed my time with some old friends, down to earth researchers (this is why I like fish heads) and the new generation of poeciliid biologists. Special thanks to Gil Rosenthal for his editorial comments.

## The Greater Akron Aquarium Society

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

«firstname» «lastname»

«address»

«city», «state» «zip»

### Meeting Notice - Do Not Delay

# Meeting Notice

## Friday, May 8

The May 8 meeting is canceled. The Greater Akron Aquarium Society will not conduct its regularly scheduled May meeting because of continued facility closure caused by the COVID-19 disease.

## Friday, June 12

The 2020 Ultra-Aqua is canceled. The annual Ultra-Aqua All-Species Tropical Fish Show, which was scheduled for June 13-14, 2020, is canceled because of current Ohio public health orders and the many uncertainties surrounding future public health orders.

Those people who have donated class sponsorship money to the 2020 Ultra-Aqua may elect to receive a refund or apply their paid sponsorship to next year's Ultra-Aqua. Please contact Bud White to coordinate the refund.

**General meetings begin at 8:00 p.m. at the Ritchie Memorial Shelter House**

## Coming Events

NOTE: BECAUSE OF POSSIBLE CANCELLATIONS DUE TO VARIOUS PUBLIC HEALTH ORDERS SURROUNDING THE COVID-19 OUTBREAK, PLEASE CHECK THE CLUB'S WEBSITE BEFORE MAKING PLANS TO ATTEND AUCTIONS.

