



REFLECTOR

PUBLICATION OF THE CENTRAL NEW YORK AQUARIUM SOCIETY

March 2025, Volume 49, Number 7

This Month's Presentation “Getting Ahead in BAP”

By: Joe Doyle



CENTRAL NEW YORK AQUARIUM SOCIETY

Table of Contents

Cover (photo by: Debbie Walcott)	1
About CNYAS	3
President’s Message	4
Speaker Joe Doyle “Getting ahead in BAP”	5
Meeting Minutes	6
CNYAS group buy proposal	7
Photo Tour “National Aquarium in Baltimore” by: Racheal Sager	8
Club Members Fish and/or Aquarium	11
Article: In Defense of Frozen Bloodworms” By: Clifford Crain	12
Writer’s Award Program	14
BAP / Bowl Show	15
AHAP	17
Article: “Breeding Rice Fish” By: David Pomeranz	18
Fish Friends From Afar “Exchange Report” by: Clifford Crain	20
Club Members Fish and/or Aquarium	22
Club Info / Coming Events	23
CNYAS 45th Annual Auction	24
CNYAS Thanks our Supports	28
Classified	31

CNYAS GENERAL MEETING

LOCATION

The Dewitt Community Center
 148 Sanders Creek Pkwy
 East Syracuse, NY

DATE / TIME

Wednesday March 19, 2025
 @ 7:00 pm

The **Reflector** is published for free distribution to members, advertisers, exchanges, and hobby distributors and publishers. The material it contains may not be distributed by computer bulletin boards nor reprinted by profit making organizations without prior written permission of the author. The views expressed are those of the author and not necessarily those of the society members, its' Officers or Board of Directors.

Editorial Policy:

All original, previously unpublished material will be considered for publication. The preferred method of delivery for articles is via E-Mail in MS Word or Text format to Editor.CNYAS@gmail.com. Alternate means of submitting may be arranged via phone. Articles the Editor deems harmful will not be published. Original articles may be reprinted by other non-profit hobby organizations with the following stipulations:

- 1) The **Reflector** is credited as the original Publisher.
- 2) The article is reprinted in its original form.
- 3) The original author is credited appropriately.
- 4) An author's copy is provided to the Editor at the time of distribution of the reprint.

Exchanges:

CNYAS will exchange publications with any non-profit hobby related organization with the following stipulations: 1) The request to exchange must be made in writing. 2) The organization informs us of their reprint policy 3) The exchange is mailed to The **Reflector** Exchange Editor upon publication.

CNYAS Background Information:

The Central New York Aquarium Society, Inc. was established in 1976. It is a non-profit organization under section 501 (c) (3) of the Internal Revenue Code. Board meetings are held the 2nd Wednesday of each month. General meetings are held on the 3rd Wednesday of each month at the Dewitt Community Hall in East Syracuse. General meetings normally begin with a brief business meeting followed by a guest speaker, refreshments, door and raffle prizes, and a mini-auction of live fish, plants, and other hobby related items.

Identification Statement:

Publication Title: Reflector

Statement of Frequency: Published ten times per year (monthly except July and August)

Authorized Organization's Name and Address: The Central New York Aquarium Society Inc, PO Box 291, Clay NY 13041

Email: Editor.CNYAS@gmail.com

Officers

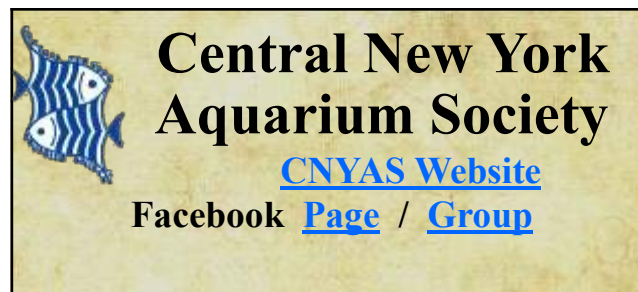
President:	Ron Fabiny CNYASPres@gmail.com
Vice President:	Len Futterman CNYAS.VP@gmail.com
Secretary:	Mary Teelin
Treasurer:	Bob Kotcher CNYASTreas@gmail.com
Editor:	Doug Hillman Editor.CNYAS@gmail.com

Board of Directors

Michael Flintrop
Clifford Crain
Ron Alexander
Bill Newell
Herschel Beeman

Chairpeople

BAP: Michael Flintrop
AHAP: Bill Newell
WAP: Clifford Crain
Bowl Show: Arnaud Germain
Auction: Ron Alexander & Brian Bowers
Membership: Denise Baird
Exchange Editor: Clifford Crain
Assistant Secretary: Sue Kotcher
Hosp. & Refreshments: Mary Teelin
Swap Meet: Doug Hillman
Webmaster: Tom Garafalo





PRESIDENTS MESSAGE

Ron Fabiny

Presidents Message March 2025

Hi everyone! It's been quite cold and I hope everyone is well and staying warm.

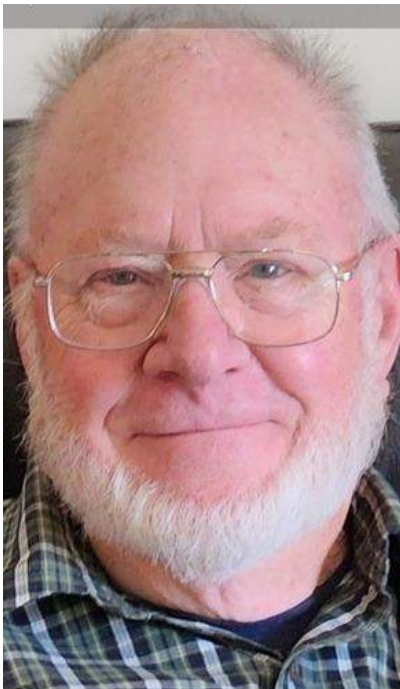
This month's meeting we are going to have Joe Doyle from Pittsburgh do a Zoom meet. His topic is "Getting Ahead on Breeders Award Program". It will be on how he spawned several difficult species and what he is working on now.

Our annual auction preps are starting now and if anyone has time to spare to help out reach out to Ron or Brian and see if you can assist in any way. The flyer is available for members to post in different places at this meeting or please copy from Reflector. Also please post on groups that you belong to on FaceBook.

Ron

The Central New York Aquarium Society losses a long time club member

Wayne H. Murray



Wayne H Murray of Bville went home to his Lord Jan 17, 2025 Survived by his 30 yr partner Doris Halko and children Scott (Joyce), Jeffery (Terry) and Diane (Joe). He owned and operated Discount Marine, Port Byron for 34 years, always giving by answering the needs of any boater. His accolades included working with NASA on the 1st two Moon Walkers, inducted into the New England Hot Rod Hall of Fame.

He will be forever remembered and missed.

Wayne gave a lot to the Central New York Aquarium Society

- **Serviced on the Board of Directors 2009-2016**
- **Membership Chair Person 2009-2018**
- **Outstanding Service Award 2018**

This Month's Speaker: Joe Doyle

“Getting Ahead in BAP”



Joe's adventures in aquaria began at the age of 12 when a neighbor provided him with a slate bottom metal frame and lid, 29 gallon fish tank. Tropical Fish Hobbyist (TFH) magazine frequently featured betta splendens in an array of spawning setups. Breeding fish came naturally to Joe and it wasn't long before he had 100 baby food jars each containing a baby betta. At this time he also started to feed live foods to baby fish. Joe put the hobby on hold to attend college and returned 18 years later when given another 29 gallon fish tank.

In 2005, Joe joined the Greater Pittsburgh Aquarium Society and began participating in the Breeders Award Program (BAP) in 2008. BAP really sparked his interests and in 2011, Joe turned in 33 spawns topping the competition while only utilizing 12 tanks. His activity raised the bar for the most spawns in a year within the club. Joe has also been very active in all aspects of the club serving as president, treasurer, membership secretary, and in his current roles as Raffle Chairman and Web Master, managing the GPASI.ORG web site.

BAP has evolved into a desire to consistently look for that next fish to spawn. Joe originally thought that after spawning all the bread and butter fish there would be nothing left to spawn, but the opposite was true

Most of the fish in his tanks were brought home from conventions and fish rooms and are always on the lookout for that next rare fish to spawn. Frequently, he found himself making community tanks out of multiple species because he would see something he just had to have and he doesn't have enough room to spawn fish. It takes a long time to back out of this scenario in order to have enough room to spawn and dump fish for BAP.

In his talk, “Getting ahead in BAP”, Joe will review how to spawn several species of difficult fish, the species he's currently working with, discuss challenges faced, and the return of species to his bucket list of fish to successfully spawn and raise.

Discussion will include: Pterapogon kauderni (Banggai Cardinalfish) Hippocampus Erectus (Sea Horse) Betta macrostoma (The holy grail of bettas) Loricaria sp “Atabapo, Colombia” Crying Whiptails Nothobranchius palmqvisti “Pangani, TZ 94-7” Notholebias minimus “Campo Grande CGRJ 01-12” Aspidoras cf taurus (2” Aspidoras) Garra rufa (Pedicure fish) Brachyogobius doriae (Bumblebee Goby) Hemiloricaria Lanceolata and more..

BOARD MEETING**CNYAS Board meeting**

2/12/2025

Attending: Ron Alexander, Len and Mary Futterman, Doug Hillman, Bob Kotcher, Bill Newell, Clifford Crain, Mike Flintrop, Ron Fabiny

1. Committee Reports:

1. Treasurer—Report and budget
2. AHAP— see Reflector
3. BAP- see Reflector, working on changing # of fry for points, now have BAP computer. Clifford and Mike to work on fry.
4. WAP- see Reflector
5. Membership-44 paid members
6. Auction - Will plan for starting in Jan 25. New tee shirts next year for 50th Anniversary. Projecting fish bag on the screen, Large banner with pictures. Look at getting lightweight banner. Shrimp/ Pleco raffle. Flyer is out, please distribute. Bob to contact bank about getting a machine for payments from the bank. VFW has a digital board to advertise the auction. Ron has signed contract. We can get in VFW to set up Friday night at 6pm. We need to mark walls before we start moving things. Would like to get pictures of raffle winners for Reflector. Mary to look for new banner. Check to see if we have enough paperwork/cards. Chip to email flyer to Doug. VFW to sell breakfast/lunch. There will be ATM at the VFW. Cliff brought new kind of bidder #s from another auction, will look at changing. New numbers are bigger, easier to see.
7. Bowl show- see Reflector.
8. Webmaster- Web Company was bought out. Tom looking into it.
9. Exchange editor- Cliff is doing a great job.
10. Reflector— Doug is doing a great job!

2. Old Business:

1. Voted to Change Superbowl prizes to cash, talk about increasing prize amount next year. Voted to increase prizes to 1st 35.00, 2nd 25.00 and 3rd is 20.00.
2. Len to work on speakers for this year. Feb speakers to Len and Ron F about DIY. Joe Doyle to be March speaker.
3. Send Speaker info to Lenny
4. 50th Anniversary of CNYAS in 2026. Sue and Mike to head up a committee for celebration
5. Is the NEC Convention budget worth 600\$? Discuss during the next meeting board meeting. Ask Arnaud to see if NEC could support free hotel room for club reps. Board discussed that the NEC rep for the club will receive the free convention Registration if they attend the required meetings and the club will give them 150.00 to be used to attend the Convention. Passed.
6. Minoa Community Center has a room non profits can use for free. We will book the next swap meet there when we get a date.
7. Mary to get more membership forms to have a meetings if membership chair not there.

3. New Business:

1. Sue to work on June Banquet at the Retreat again.
2. Date for Swap meet is Oct 4th 2025, Doug to follow up with booking and tables
3. Cliff brought up doing a group buy of fish on line. Discussed, he will follow up with interest in participation from club
4. Len to find signs for lamination for club meetings

CNYAS General Meeting 2/19/2025

1. Great DIY presentations; Thanks Mary, Ron, Len, Cliff
2. Had a good tank talk.
3. Great mini auction, lots of fun and bidding

Central New York Aquarium Society Group Buy Proposal

By: Clifford Crain

I brought up the idea of a group buy at the February meeting. This involves several people combining their fish order into one purchase in order to save on freight. Next day air shipping costs are less per person when several people combine their purchase. Some aquarium societies encourage group buy by having the club pay the freight. That's something that I'm asking the CNYAS board to agree to try once. If member response and experience is positive for this pilot purchase, we could budget for it as a member benefit.

The group buy is not intended to harm our local fish stores. CNYAS values our LFS and encourages its members to buy local when possible. Group buy is meant to acquire fish that are not available from the LFS.

The proposal is for us to make this purchase from dansfish.com for this initial trial purchase. Dansfish has a great reputation for selling quality fish and providing unsurpassed care in shipping. It also meets our requirement of offering fish that are not available at the LFS. I just checked their stock listing and found 19 different kinds of loaches, 26 tetras, 13 killifish, 5 gobies and gudgeons, etc. Check out the site for yourself.

The group buy would be open only to paid-up members of CNYAS. I have volunteered to facilitate the first purchase. Members would email me their purchase requests, I would combine the requests into one big order and submit the order to dansfish.com, paying with my personal credit card. Dansfish.com appears to have changed its shipping to allow shipments on any day. The idea is that we would ask them to ship on the Tuesday before our April or May meeting. The package would arrive on Wednesday at my private mailbox at the local UPS Store. That way, the box will arrive inside the UPS Store and not be vulnerable to porch pirates and will not be sitting out in the cold or heat. I would open the box and be responsible for following the rules for placing a DOA claim (such claims are highly unusual in the case of dansfish.com). I would then bring the box to the meeting where the buyers would reimburse me for the cost of the fish only. I would submit the dansfish invoice to the Treasurer for reimbursement. It is expected that the freight and sales tax, which the club will pay, would be less than \$100.

When I floated the possibility of this at the February meeting, seven people raised their hands showing an interest. The CNYAS board will discuss the group buy proposal at the March board meeting and report to the membership at the March general meeting on March 19. If you have questions or would like to provide input prior to the March 12 board meeting, please email Doug Hillman at editor.cnyas@gmail.com.



A Visit to The National Aquarium in Baltimore

A Photo Tour by: Racheal Sager

**The Aquarium is built right on the harbor. I arrived bright and early
The first photo is of the entrance at sunrise**



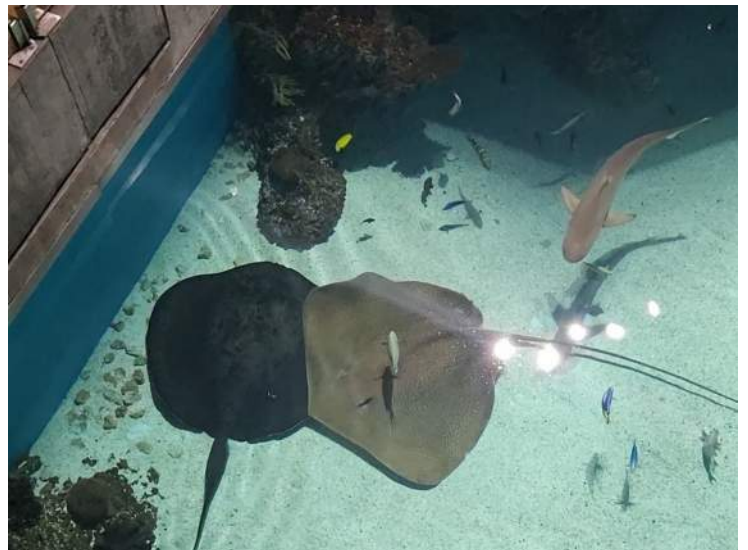
**These next two photos were taken in the Australian exhibit areas.
Large catfish coming for a nibble of lettuce sunk on a log by stall**



The next two are Archer fish, and the feeding demonstration.
They fed live crickets at the end of the stick to exhibit Archer fish hunting



Then Grouper from the massive salt water section, and a shot from above saltwater Rays
The salt water wing was set up in a circular path that leads up many floors, giving you many different viewpoints of the same tanks as you ascend.



**Continuing with saltwater
My favorite of their extensive jellyfish collection Moon Jellies**



**Moving on to favorite section, The Amazonian exhibits.
Rommynose Tetra and Red Tail Catfish
Seeing a common fish I keep myself by the hundreds was delightful.**



**Overall it was a enjoyable experience. There are a few tanks you can tell used to be stocked with more fish, like they had losses they never replaced over the years.
There was still plenty to see and explore**

CLUB MEMBERS FISH AND/OR AQUARIUM

Debbie Walcott

The Bloody Mary Neocaridina, dwarf Pea Puffers and the GFP Axolotl I bought at the CNYAS sale in September which brought me to the group!





In Defense of Frozen Bloodworms

By: Clifford H. Crain, Jr.

I have come across several people on Facebook and YouTube stating that aquarists should not feed their fish frozen bloodworms (FBW). (See, for example, the youtuber identified as “The Aquarium Project NZ.”) Since my fish, large and small, young and old, chow down on FBW with the greatest gusto, I decided to investigate further to see if there was any merit in what these internet experts were saying.

Although I’ve written about it in previous articles, let me preface this by stating once again that FBW can cause an allergic reaction. I speak from experience, as I suffered a severe reaction that scared the you-know-what out of me. Burning up, covered with rash and suddenly overwhelmed by fatigue, I crawled into bed and felt normal, if exhausted, only after a rest of eight hours. I still feed FBW, but now I *always* wear an arm’s length heavy glove on my right hand, a standard latex glove on my left hand, a face mask and goggles.

OK, that out of the way, what are the objections to feeding FBW to your fish? I found four on the internet:

- FBW contains parasites, bacteria or other undesirable organisms
- FBW are coated by an indigestible “skin”
- FBW are not nutritious
- Frozen brine shrimp and frozen mysis shrimp are much more nutritious

Let’s dispose of the parasite objection. I don’t see how an animal such as a parasite would be able to survive the freezing process. Perhaps bacteria could, and none other than Rosario LaCorte, one of the most famous aquarists in America, discovered that FBW from China caused his fish to bloat and die. When he stopped using these bloodworms, the deaths stopped. I believe that the processing of FBW has improved since the days Rosario used them. The package containing Hikari FBW is labeled “Product of Indonesia,” and states the contents are “highly purified” and “Free from harmful parasites, unwanted bacteria & foul odor.” I have no reason to doubt that Hikari is ensuring that its FBW will not cause your fish to die. FBW have never caused bloat in my fish.

As far as the claim that FBW are coated by an indigestible “skin,” I don’t know how to test this claim, but some very nutritious foods, such as daphnia, contain indigestible material.

The claim that FBW are not nutritious is false. It seems that what everyone is defining as “nutrition” is the protein content. Protein is of course extremely important in food, but it’s not the only important ingredient. In fact, fish that have evolved to consume a vegetable diet can actually die from eating foods containing too much protein. For the sake of argument, I’ll assume that the protein content is the defining characteristic of “nutritious.”

I compared the protein in FBW to three very high quality pellet foods. But wait, the haters say, look at the nutrition label on a Hikari FBW package. It says protein is a minimum of only 3.5% and moisture is a maximum of 95%. Protein in a quality pellet food averages about 40%. Because FBW by nature contains a lot of frozen water that melts away and is not consumed, a realistic comparison of the protein percentage stated on the labels is not valid. Freeze-dried bloodworms are 53% protein. There’s no reason to think that, bloodworm to bloodworm, FBW have less protein than freeze-dried bloodworms.

An advantage that frozen fish foods have over pellet foods is the lack of added ingredients that are not found in nature. FBW is just bloodworms plus a small amount of added vitamins. Even the best pellet foods have some grain in their composition. Grain performs the function of a binder, holding the pellet together, but has no nutritional value to a fish.

Finally, the claim that FBW is greatly inferior to frozen brine shrimp and frozen mysis shrimp is just wrong. The chart below shows that FBW has only slightly less protein than the other frozen fish foods.

My conclusion? For my fish that don't require a vegetable diet, I will continue to feed high quality flake and pellets twice daily and frozen foods once daily. I rotate the frozen foods as follows: FBW followed the next day by spirulina brine shrimp, followed by mysis shrimp, followed by brine shrimp, and then start the cycle over. BTW, the food my fish consider their favorite non-live food, no contest, is FBW!

Food	Protein %	Moisture %
Hikari frozen bloodworms	3.5%	95%
Freeze-dried bloodworms	53.0%	10%
Northfin Cichlid Formula pellets	42.0%	9%
Xtreme Cichlid Peewee pellets	38.0%	12%
New Life Spectrum Cichlid pellets	37.0%	10%
Hikari frozen brine shrimp	4.0%	92%
Hikari frozen spirulina brine shrimp	4.0%	95%
Hikari frozen mysis shrimp	4.2%	97%





**Central New York Aquarium Society Inc.
 Writer’s Award Program**

Chairman: Clifford H. Crain, Jr., Committee member Doug Hillman

Based on submissions to date through the Feb 2025 Reflector and points published in March 2025 Reflector

Name	Status	March	Scaly Eraser	Total
Crain	Pen & Quill Award	50	781	2,269
Spahn	Pen & Quill Award	0	0	1,276
Kotcher	Pen & Quill Award	0	20	851
Teelin-Futterman	Pen & Quill Award	0	0	711
Pitzeruse	Pen & Quill Award	0	0	652
Fabiny	Pen & Quill Award	40	45	561
Hillman	Author’s Award	0	100	255
Rademacher	Author’s Award	0	0	215
Baird	Author’s Award	0	10	130
Futterman	Author’s Award	0	5	110
Beeman	Author’s Award	0	20	105
Rafferty	Participant	0	15	95
Collins	Participant	0	0	80
Cody	Writer’s Award	0	0	70
Pomerantz	Participant	0	45	65
Tuori	Participant	0	60	60
Van Camp	Participant	0	0	30
Flintrop	Participant	0	15	35
Walcott	Participant	0	10	10
Newell	Participant	0	0	10
Pope	Participant	0	0	10
Ziemba	Participant	0	10	10

Submissions appearing in the February 2025 Reflector:

Crain, “Book Review: An Aquarist’s Journey by Rosario LaCorte,” article and 2 photos, 30 points

Crain, “Fish Friends From Afar #32,” article, 20 points

Fabiny, “Egg Scatterer Collection,” article and 4 photos, 40 points





BREEDER AWARD PROGRAM

Chairman - Michael Flintrop
Email: michaelflintrop@yahoo.com

Name	Points	Species	Name	Points	Species
<u>Grand Master</u>			<u>Participants</u>		
*Van Camp	965	77	Mike Flintrop	40	3
1-2-3-4-6-7-8-9-11-13-15-16			Spahn	30	3
<u>Master Breeder</u>			Domanowski, S	25	4
*Pitzeruse, W.	610	50	Chris Pollard	20	2
1-2-3-4-7-8-9-11-12-13-14-15-16			Maxwell	20	2
Beeman	615	46	Kotcher	10	1
4-7-8-11-12-16			Futterman, L	10	1
Fabiny	525	46	Futterman, M	5	1
1-7-8-11-12-14-15-16					
<u>Expert Breeder</u>			Numbers under the name are completed Specialty Classifications groups.		
Hunter Collins	235	13	*Indicated Species Classification Award		
8, 11			^Indicates first spawning		
Clifford Crain Jr.	235	21	New Additions:		
7,8			Clifford Crain:		
<u>Advanced Breeder</u>			<i>Ilyodin furcidents</i> 10 pts		
William Newell	185	15	<i>Linus nigrofasciata</i> 5 pts		
8			David Pomeranz:		
Doug Hillman	125	14	<i>Neocardinia davidis</i> 10 pts		
11			<i>Oryzias lapipes</i> 10 pts		
<u>Breeder Award</u>			<i>Oryzias woworae</i> 10 pts		
Wisneski	65	7	<i>Poecilia reticulata</i> 5 pts		
11			<i>Poecilia wingeri</i> 5 pts		
David Pomeranz	65	8	<i>Pseudocrenilabrus</i> 10 pts		
Denise Baird	85	6	<i>Tanichthys albonudes</i> 10 pts		
Chris Allen	60	4	<i>Xiphophorus maculatis</i> 5 pts		
11					



BOWL SHOW

Chairman - Arnaud Germain

YTD Scores:

Doug Hillman:	223	Points
Bill Newell:	217	Points
Denise Baird:	47	Points
Joseph Marascalchi	11	Points

The 2024-2025 Categories will be as follows:

- September: Livebearers
- October: Killies
- November: New World Cichlids
- December: Barbs, Rasboras & Danios
- January: Goldfish & Koi
- February: Catfish & Loaches
- March: Bettas, Anabantoids & Gouramis**
- April: Old World Cichlids: Africa & Asia
- May: Super Bowl

Don't forget the OPEN category option at each meeting.

All bowl show guidelines are available online in the Members Handbook (pages 5-6)

To participate, either bring your fish in person or submit pictures to ag297@cornell.edu before noon on Tuesday before the general meeting. Online submissions will be displayed during the meeting break using the projector for judges to award points.

We had 7 entries for the February Bowl Show!

- A: *Panagolus maccus* (Clown Plecostomus)
- B: *Hoplisoma trilineatum* (Three Stripe Catfish) – First place – Bill Newell – 21 points
- C: *Agamyxis pectinifrons* (Spotted Raphael Catfish) – Second place – Bill Newell – 15 points
- D: Golden Nugget Pleco – Third place – Joseph Marascalchi – 11 points

OPEN:

- A: *Neolamprologus brichardi* (Fairy Cichlid) – Second place – Bill Newell – 15 points
- B: *Paracheirodon axelrodi* (Cardinal Tetra) – First place – Bill Newell – 21 points
- C: *Prionobrama filigera* (Glass Bloodfin Tetra) – Third place – Bill Newell – 10 points

A



B



C



D



A



B



C





**AQUATIC HORTICULTURE
AWARD PROGRAM**

Chairman– Bill Newell
Email: bnewell44@gmail.com



Name	Points	Species	Name	Points	Species
<u>Grand Master</u>			<u>Beginning</u>		
Spahn*	4,015	288	Yard	95	9
1,2,3,4,5,6,7,8,9,10,11,12,13,14			Wisneski	65	7
Pitzeruse, W*	1,230	87	Taylor	50	6
1,2,3,4,5,6,7,8,9,10,11,12,13,14			<u>Participants</u>		
Fabiny*	940	68	Flintrop	30	3
2,3,4,5,6,7,8,9,10,12,13,14			Janus	25	4
<u>Master</u>			Smith	20	1
Van Camp*	465	36	<u>Additions:</u>		
1,7,8,9,11,14			Mike Flintrop:	<i>Lemna minor</i>	5 pts
Lee*	575	42			
3,4,7,8,10,12,13,14					
<u>Expert</u>					
<u>Senior</u>					
Snead*	460	26			
2,4,7,10,14					
Kotcher*	165	11			
10,14					
<u>Aquatic</u>					
Futterman*	180	16			
Beeman	190	19			
3,4,6,7					
Newell	110	14			
6					

Golden lame medaka
in unfiltered tub

Photo by:
David Pomeranz



Breeding Rice Fish

By: David Pomeranz

Today, I want to share a bit about my methods for breeding rice fish, with a focus on collecting and incubating the eggs. Pictured bellow is a Daisy's blue rice fish female, or *Oryzias woworae*, but these same methods are what I use to breed medaka rice fish (*Oryzias latipes*) as well.



While there are many methods including in outdoor tubs during the spring and summer, in the colder months I like to breed them in a substrateless 10 gallon tank with a sponge filter, 72-78 F water, a bit of guppy grass, and a spawning mop. While sexing either species is not difficult, the sex ratio isn't particularly important so I tend to just put a group of 6-12 of them in a tank together. I feed powdered spawning conditioning foods or small live foods 1-3 times during the day, have a long photo period with the lights timed to turn on around 7 AM, and occasionally add 10-20% cold RO water at night.

One of the most interesting things about breeding these fish is the way they carry their eggs. Typically spawning occurs quite early in the morning. The female will secrete a sticky substance along with the eggs, and glue them to her belly, as seen in the photo. In relatively short order fertilized eggs will harden up, becoming quite tough and leathery. At this point, the female will look for a place to deposit the eggs, hence the spawning mop. However, while my females do sometimes use the mops, some of them can be quite picky. I have rarely seen them deposit eggs on guppy grass, which is why I use it for cover in these set ups, but if I wait too long I will sometimes find eggs in algae clumps on the bottom, or on the sponge filter. To avoid this, you can simply take the eggs right off of the females belly. As an impatient person, this is typically what I do; ideally between 9 and 10 AM to give the fertilized eggs enough time to toughen up before handling.



I like to use a standard mid gauge net, as the eggs are just the right size to pop through the holes, which can sometimes be very handy in collecting. Unfertilized eggs will pop very easily, and it is typically a good practice to roll the eggs around between your thumb and fingers to prevent unfertilized eggs from rotting in your incubation set up. I was terrified to do this at first, but to pop the viable eggs you would really have to be trying to destroy them; they are shockingly resilient.

The incubation method is also something I have done a lot of experimenting with, based on advice from articles and videos. After a LOT of trial and error, of it I have found the most sure fire method is to clean any debris or secretions by hand in a paper towel to the best of your ability, and simply place them in some kind of floating vessel inside one of my other tanks for temperature, and use chlorinated tap water with no treatment, and a relatively aggressive amount of aeration with an air stone.

Pictured here is my extremely sophisticated set up, and a picture from inside one of the containers to show you just how much churning the eggs can handle. I replace the water with more chlorinated tap water for the first 2 days, but then to stop as the embryos start to becoming clearly visible, and instead replace daily with fresh RO water. It's also important to inspect the incubation vessel regularly and remove any eggs that look cloudy or otherwise non-viable.



Using this method, I typically have over a 90% hatch rate, which is far higher than other methods I have tried in the past. The fry are relatively hardy, with the only caveat being that they will do best infusoria for the first 2-3 days before switching to a larger food. The best thing about them though, especially the Daisy's blue, is that their bright blue eye rings develop almost immediately, making them a genuine joy to watch even as fry. So why not try it for yourself





FISH FRIENDS FROM AFAR #33

EXCHANGE REPORT

By: Clifford H. Crain, Jr.

OMG, after the **Missouri Aquarium Society** published the January edition of *The Darter* that their editor admitted was “irresponsibly massive” at 91 pages, now they are publishing another magazine in the off months (*The Darter* is published bi-monthly). “Introducing *The Darter Mini-Mag*. This year, we’re introducing a new *Darter* feature: the *Mini-Mag*. Each *Mini-Mag* will feature reprints from our archive and exclusive new material, publishing on *Darter* off-months. Since one of MASI’s primary purposes as a non-profit is education, we’ve decided to offer the *Mini-Mag* FREE to all hobbyists. If any hobbyists you know would like to receive the *Darter Mini-Mag*, reach out through the Mini-Mag page at DarterMagazine.com.” While many clubs publish only erratically or not at all, and we just received word that the Sarnia Aquarium Society has ceased publishing its magazine, here’s the Missouri Aquarium Society *doubling* its output. Following up on *The Darter*’s January issue featuring fish of China, the February *Mini-Mag* includes four very informative reprints on fish and shrimp from China: paradisefish, Neocaradina shrimp, gold barbs and goldfish. Get on the mailing list for the *Darter Mini-Mag* at DarterMagazine.com.

“Aquarium Keeping History” by Zenin Skomorowski
Fins and Tales, Kitchener-Waterloo Aquarium Society, February 2025

I don’t normally review reprints, but Zenin’s article, originally published in *Fins and Tales* in 2012, is so interesting, I can’t resist. It’s a book review of the famous *Exotic Aquarium Fishes* by William T. Innes, 13th edition, 1951 that Zenin has owned since the 1960s. I didn’t realize that Innes inherited his family’s publishing company and published the first edition of this book in 1935. While most of the photos in the book are black and white, Zenin tells us that because Innes was not satisfied with the rendition of colors in film of that era, the book’s color “photos” are actually B&W that have been hand-painted. The book included maps with grid coordinates that are referenced in the articles on each fish. Zenin “found it quite enjoyable to read the descriptions [of each fish], to see some of the changes in fish knowledge since then, and even the English prose is different than today.” He includes nine photos of the book and its contents in this delightful article.

“Between the Covers: *Andinoacara pulcher*” by Timothy J. Brady,
Tank Tales, Aquarium Club of Lancaster County, February 2025

Timothy says that the popular Electric Blue Acara is either a hybrid or a product of selective breeding of the Blue Acara. While Blue Acaras are relatively peaceful, Timothy stresses that they should not be kept with any fish that they can fit in their mouth. They require fairly standard care and should be fed a healthy diet of chopped earthworms, bloodworms, black worms, quality flakes and pellets and frozen food. “The Electric Blue Acara is a perfect entry to the world of larger South American cichlids.”

“CARES Conservation Corner Installment II: Classification of Endangerment Pt. 2” by Joel Antkowiak, *Tank Tales*, Aquarium Club of Lancaster County, February 2025

The Aquarium Club of Lancaster County is a leader in the CARES program. CARES (Conservation, Awareness, Recognition and Responsibility, Encouragement and Education, and Support and Sharing) is concerned with ensuring a positive future for fish species at risk. In this second installment of the series, Joel focuses on the classification of endangerment. “EXT,” or extinct, meaning the fish exists nowhere on earth, is not in the scope of CARES, since the fish is gone. The next level down, EW or CEW, is extinct in the wild. The EW classification is made by the IUCN (International Union for the Conservation of Nature), and when the CARES group assists in the classification process, the species gets the CEW designation. Next, Joel goes to the other end of the spectrum: “LC,” or least concern, is a designation not found in CARES since these fish are doing OK in nature. “NT,” or near threatened, is for species in decline but have not yet reached the level of being vulnerable to extinction. Joel promises to review the classifications between EW and NT in a future edition of “CARES Conservation Corner.”

**“Perfect Cichlid” by Bill Duzen
Some Things Fishy, Tropical Fish Club of Erie County, February 2025**

Bill is referring to the Rainbow Cichlid, *Herotilapia multispinosa*. This Central American cichlid grows to about four inches with the female slightly smaller. They are gold with a blue/black horizontal stripe. Bill notes that although this fish has been in the hobby for many years, its color is still as vibrant as it was 50 years ago. Besides their coloration, the Rainbow Cichlid is mild-mannered for a cichlid, easy to breed and not particular about food. “This fish is an exceptional addition to a community tank and will give you many years of enjoyment.”

**“The Incredible, Phenomenal, Historical, Neon Tetra” by Steven Bieda
Tropiquarium, Motor City Aquarium Society, March 2025**

Steven starts his informative article with a history of the neon tetra: that it was discovered in 1934 by a French butterfly collector; that a Frenchman named it the neon tetra; that a dozen of these fish were sold to some Germans in 1935 for \$6,500 (equivalent to \$151,000 in today’s dollars); that the first neon tetras were shipped to the Shedd Aquarium in Chicago by the airship Hindenburg; that by 1936 4,000 of the fish were imported to the U.S. for \$10 each (equivalent to \$232). Nowadays nearly all neons are captive-bred by the millions in southeast Asia. Steven lists the conditions needed to breed this fish, and if the conditions are right, “The fish breed fairly easily.” “The relative inexpensiveness of the fish in the current aquarium market makes aquarium breeding expensive and impractical except as to personally challenging aquarists—quite a contrast to the neon tetra’s early foray in the aquarium hobby.”

Reprints and reviews:
None this month.

CLUB MEMBERS FISH AND/OR AQUARIUM

Photos by : Chloe Gibbs

Electric Yellow Cichlid Tank





UPCOMING EVENTS

- March 12, Board Meeting**
- March 16, TFCEC Spring Auction**
- March 19, General Meeting**
- April 9, Board Meeting**
- April 16, General Meeting**
- April 26, CNYAS Annual Auction**
- April 27, GPASI Spring Auction**

BOARD MEETINGS

Board meetings are held on the 2nd Wednesday of the month and are open to all members who would like to attend.



2024-2025 Schedule

- | | |
|---------------------|-----------------------------|
| Sept: Ron Fabiny | Oct: Doug Hillman |
| Nov: Chip Alexander | Dec: Mary & Lenny Futterman |
| Jan: Mary & Lenny | Feb: Mike Flintrop |
| Mar: Bill Newell | April: Ron Fabiny |
| May: Hershel Beeman | June: Clifford Crain |

CNYAS CLUB MEETINGS

Each monthly meeting consists of :

- Short business meeting; program (slide show, movie, guest speaker, etc.).
- Break (refreshments/social gathering)
- Bowl Show
- Mini auction of member items (plants, fish, equipment, etc).
- Raffle (equipment, books, food, magazine subscriptions, etc.).
- Question and discussion session.



CNYAS COMMITTEE MEMBERS

Witnesses for the BAP and AHAP Programs

- | | | |
|------------------------------|-----|------|
| Sue Kotcher | BAP | |
| Clay (315) 622-9668 | | |
| Ron Fabiny | BAP | AHAP |
| Clay (315) 440-5806 | | |
| Len Futterman | BAP | AHAP |
| East Syracuse (315) 560-0955 | | |
| Herschel Beeman | BAP | |
| Chittenango (315) 663-8694 | | |
| Bill Newell | | AHAP |
| Liverpool (315) 440-9513 | | |
| Mike Flintrop | BAP | |
| Manlius (315) 415-1471 | | |

Central New York Aquarium Society



CNYAS is a non-profit educational organization with a goal of furthering the study of all forms of aquatic life. In order to achieve this, we promote the interest in, and encourage the breeding of, aquatic life. Through the exchange of ideas and distribution of information concerning the hobby, we will advance our members' knowledge of the hobby, providing valuable information to those who seek it.



Tropical Fish

Plants & Aquarium Supplies

Auction



Saturday April 26, 2025

VFW Post 3146

2000 Lemoyne Ave. Syracuse, NY 13028

45th Annual Auction

Sponsored by the Central New York Aquarium Society



Free Admission

Open to the public



All products sold must be used in the fish hobby!

Cash Only

No Checks

ATM Available

Registration Starts at 9:00 AM and Auction Starts at 11:00 AM

For more information contact: cnyasannualauction@gmail.com

30 / 70 Split for non-member sellers

To register for a seller ID contact: cnyastreas@gmail.com

Visit our website for rules at: www.cnyas.net



**Tropical Fish Club of Erie County
Presents**

**37th Annual Spring
Giant Tropical Fish, Aquatic
Plant**



And Supply

AUCTION

March 16, 2025

Lake Erie Italian Club

3200 South Park Ave, Lackawanna NY 14218

Registration 9:30am. To Noon

Auction 11:00 am.

70/30 Split, 10 Table System

After Table 3 is complete a lottery will be held for the remaining 7 Tables. The order in which they are picked will be the table that will be sold next. No item may be renumbered or moved from it's original position.

(see all rules at our website)

Now accepting Credit Card Payment

Refreshments Available

Information

Website:TFCEC.com

Erie Aquarium Society

2025 Events

FISH PLANTS SUPPLIES DRYGOODS

Spring Auction— Sunday April 6, 2025. Registration 10:00-1:00, auction at 11:00am. Location: Perry Hi-Way Social Hall, 8281 Oliver Road, Erie, PA 16509

Fall Auction— Sunday October 26, 2025. Registration 10:00-1:00, auction at 11:00am. Location: Perry Hi-Way Social Hall, 8281 Oliver Road, Erie, PA 16509

Follow us on Facebook: *Erie Aquarium Society Group*



Photos By: David Pomeranz



Pair of male Yellow Rainbow Fish



Male Turquoise Rainbow Fish

Low Tide Corals Video Link: <https://vimeo.com/1027502091/0416af01a2>



The Central New York Aquarium Society would like to Thanks these Companies and Individuals for their contributions and support

Please support those who support the CNYAS

Petland
Exotic Aquarium
Creature Comforts
Pet World
The Fish Place
Pets Plus
That Fish Place
Low Tide Corals
The I Fish Store
Pond & Rock Shop



Zoo Med
Marine Pure
Brine Shrimp Direct
API
Cobalt
Omega Sea
CaribSea
Pisces



Your Pets Super Store

Ccpetstore.com



Petlandcicero.com



Exotic-Aquarium
on Facebook



Pet World Rochester
On Facebook



Thefishstore.com



Low Tide Corals
On Facebook



Thatpetplace.com



Petspluslockport.com



Pondrockshop.com



The Fish Place NT
On Facebook





CLASSIFIEDS

Club **Shirts**, **Hoodie's** and **Caps** for sale

- Regular T-Shirt — \$15
- V-neck Shirt (Ladies) — \$20
- Pullover Hoodie — \$30
- Zip-up Hoodie — \$50
- Cap — \$20
- Coffee Mugs—\$5

ATTENTION LOCAL MERCHANTS

Advertise in the Reflector!

- Rates for 1 Year (10 Issues)**
- Business Card- \$30**
- 1/4 Page- \$80**
- 1/2 Page- \$100**

For information:
Call Len @ 315-560-0955 Or
email futtermania@gmail.com

REFLECTOR ARCHIVES

CNYAS has made our archives of past published Reflectors available online to all members. They go all the way back to 1976, to the inception of our club. The link below will take you to the archive. Enjoy your trip through our fishy past!

<https://tinyurl.com/CNYASreflectors>

2025 MEMBERSHIP DUES

- \$15.00 - Individual**
- \$20.00 - Family**

Send to: CNYASTreas@gmail.com on
Paypal.com (send as friend & family)



BLUELAGOONPETSTORE.COM
Blue Lagoon Pet Store
 TROPICAL FISH. LIVE PLANTS. REPTILES.
 FEEDERS. CAT & DOG SUPPLIES
 716-901-7724
 MON-SAT 12-8 6061 TRANSIT RD
 SUN 12-6 DEPEW, NY
 14043
 BLUELAGOONPETSTORE.ONLINE

REFLECTOR ARCHIVES


CNYAS has made our archives of past published Reflectors available online to all members. They go all the way back to 1976, to the inception of our club. The link below will take you to the archive. Enjoy your trip through our fishy past!

<https://tinyurl.com/CNYASreflectors>

Ellen's Angels

Ellen & Tom Pope
 Breeders

☎ (724)-396-1243
 ✉ TPope0935@gmail.com
 📍 Liverpool, NY

PETERS & ASSOCIATES
Certified Public Accountants, P.C.

ROBERT S. KOTCHER, CPA

731 James Street, Suite 400
 Syracuse, NY 13203-2000
 www.peterscpas.com

(315) 476-1616
 Fax (315) 476-0417
 bobk@peterscpas.com



AQUATIC HAVEN

Shop with us for all your Aquarium needs!

WE CARRY:

- Fish!
- tanks and lids
- frozen and flake foods
- cleaning and filter supplies
- lighting
- Accessories
- medicine and water treatments

And so much more!



Like us on Facebook 📌
 @Aquatic Haven

PHONE: 315-887-5035



Mature male Bosemani Rainbow Fish
 Photo by: David Pomeranz