

108 Years of Educating Aquarists

# BAS BULLETIN

Brooklyn Aquarium Society Monthly Online Newsletter

VOL. 22

May 2019

No 5

**FRIDAY, MAY 10 @ 7:30 PM**

The Brooklyn Aquarium Society Presents our

# GIANT SPRING AUCTION



*All sorts of freshwater fish, plants,  
marine fish, aqua-cultured corals &  
dry goods AND MUCH MORE!*

*Doors open 7:30 pm*

*View lots 7:30 pm - 8:30 pm*



**For information Visit**

**BASNY.ORG**

**Or Call BAS 24 hr.**

**Calendar of events hotline**

**(718) 837-4455**

**At New York Aquarium, Education Hall, Surf Ave. & West 8th St., Bklyn, NY**

**Held the 2nd Friday of each month @ 7:30PM except July & August**

**For Information Visit [WWW.BROOKLYNAQUARIUMSOCIETY.ORG](http://WWW.BROOKLYNAQUARIUMSOCIETY.ORG).  
Or Call BAS 24 Hr. Calendar of Events Hotline (718) 837-4455**

# 108 Years of Educating Aquarists

## The President's Message



**R**alph Chi of Pacific Aquarium and Pet. Ralph was our

guest speaker for the evening and he surprised all of us with bags of aquatic goodies for every member in the audience. We had 115 people at the meeting and each person received a full bag of

items from his store. Ralph's topic for the evening was *"The Thriving Aquarium Retail Still Lives"*. He really knows his fish, plants and marine livestock. His store has everything. This generous person is having a huge sale and giveaways for BAS members only. You must bring your current membership card. The first 19 members for each day, that spend \$50 each, will receive a Pacific Aquarium Easter egg. Inside the egg will be a note on what you have won – this could be a fish net, an aqua-scaping pincer, or a complete Fluval (or equivalent) setup that includes tank, filter, lighting, etc. **This special weekend is on Saturday, April 27 and Sunday, April 28 and only for our members!**

April is also our 50/50 month – many of our members brought in bags of livestock for our auction and they shall be rewarded next month with half of what their fish, plants or corals went for.

Next month we will not have a speaker – it is our **GIANT SPRING AUCTION!** There will be hundreds of items available – livestock, lights, aquariums, chemicals, filters and everything you can imagine, so be there or lose out on great bargains and hard to find fish. **The Giant Auction is Friday, May 10, doors open at 7:30 PM.** As always there is free parking and refreshments.

Please refrain from selling or purchasing

any items from individuals on site at the aquarium, it is strictly prohibited.

We have new BAS shirts and BAS hats, hurry and get yours while supplies last.

Remember, we can always use the help. If anyone wants to help out in any way, please let us know. See me personally or any officer or board member. If anyone has any topics they want to hear expert speakers on or any specific speaker, please tell us that also.

We would like to thank our members and our sponsors for their constant generous donations that keep us going. Anyone who has any aquatic items, supplies or equipment, and that would include healthy livestock of fish, corals or plants, we always welcome the donation.

For information on upcoming speakers or to leave a message for us please call our **BAS Hotline at 718-837-4455** and visit our updated website at

**WWW.BROOKLYNAQUARIUMSOCIETY.ORG.**

On a more personal note – any member who wants to attend a Board meeting, held at Education Hall, NY Aquarium, on the first Friday of the month, September through June, please notify me at 347-277-4793.

Thanks and see you next month!

# Steven

**Steven Matassa,  
President**



# Spring Auction

**O**ur Annual Spring Auction will be held on May 10th.

This is our Spring kick-off-the-fish-season event with bags of hard to find and rare fish. There'll also be perennial favorites among the lots.

Please arrive on time for viewing of items from 7:30 pm to 8:30 pm.

## THE AUCTION STARTS PROMPTLY AT 8:30PM.

You don't want to miss this auction! Once the Auction starts, please stay in your seats. Runners will walk the items to you for your inspection.

There'll be aquarium books at discount, aquarium dry goods for sale, door



prizes plus free refreshments, so come early and view the offering at the auction. We accept personal checks only from members we know.

## GOT FISH TO DONATE?

If you have bred and raised more fry than you can handle, or that have outgrown their tank or you no longer want, you can donate them to our auction and we will see that they get good homes. Your donations of fish and dry goods will generate funds that will continue to help BAS to educate aquarists

**Call our President, Steven Matassa, at (cell) 347-277-4793.**

## DIRECTIONS TO THE NY AQUARIUM

**Directions by Car:** Take Belt Parkway to Ocean Parkway South (Exit 7S). Take Ocean Parkway approx. 1/2 mile. The New York Aquarium will be on your left.

**Directions by Subway:** Take either the Q or F trains to West 8th St, NY Aquarium Station. **Follow signs to NY Aquarium.**

**All BAS meetings begin at 7:30pm.**

No members, other than those donating their help setting up or items for the auction, will be allowed in before that time.

# Brooklyn Aquarium Society

## CALENDAR OF EVENTS 2019 - 2020



**MAY 10 Giant Spring Auction** ~ Marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**JUN 14 Cameron Provost [House of Fins] - Rare Marine Fishes in the Aquarium Hobby** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**NO MEETINGS JULY & AUGUST**

**SEPT 13 Tullo DelAquila - The Facts of Light: A Scientific Approach to Comparing Light Sources for Aquarium Use** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**OCT 11 Giant Fall Auction** - Marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**NOV 8 Lou Ekus - [Tropc Marin] Reef Chemistry Made Easy** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**DEC 13 Holiday Party ~ Members, their families & friends** • Fish Bingo & Prizes • BAS awards presentations.  
**2020**

**JAN 10 Luis Morales - Fish Photography** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**FEB 14 Robert Stark - Successful Strategies for Reef Keeping** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**MAR 13 Jason D'Ambrosio ~ Stingray Husbandry** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**APR 12 TBA**

**MAY 8 Giant Spring Auction** ~ Marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**JUN 12 Chad Clayton ~ Copepods are Changing the Face of Aquaculture** ~ Followed by an auction of marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**NO MEETINGS JULY & AUGUST**

**SEPT 11 TBA**

**OCT 9 Giant Fall Auction** - Marine fish, aqua-cultured corals, freshwater fish, plants & dry goods.

**NOV 13. TBA**

**DEC 11 Holiday Party ~ Members, their families & friends** • Fish Bingo & Prizes • BAS awards presentations.



# Regional Society Events



## CHECK ALL TIMES AND DATES BEFORE ATTENDING

If listed **TBA** (To Be ANNOUNCED), the Society has not gotten a speaker or has not updated their calendar of events. Before attending a meeting please check their web site for more information.

### WEDNESDAY MAY 1 - GREATER CITY AS

#### • HARRY FAUSTMANN - LIVE FOODS

Meets the 1st Wednesday of the month @ 7:30 pm at the Queens Botanical Garden, except for January and February. The public is welcome. Speakers, publication, bowl show, raffles, door prizes, refreshments, plant and fish auctions.

Info: Claudia Dickinson at: [ivyrose@optonline.net](mailto:ivyrose@optonline.net) or (631)-668-5125, or [www.greatercity.org](http://www.greatercity.org)

### FRIDAY MAY 3 - LONG ISLAND REEF ASSOCIATION -

#### • MATTHEW ANDREWS - TROPICAL COLLECTING

Meets the 1st Friday of the month @ 8:00 pm at Acan Lighting, 75 Austin Blvd, Commack, NY 11725.

Info: <http://www.LongIslandReef.org>

### TUESDAY MAY 7- PIONEER VALLEY AS

#### • TBA

Meets 1st Tuesday of the month at The First Congregational Church, 20 Lathrop St, West Springfield, MA @ 7:00 pm. Free parking in lot. Public welcome. Info: Jacob Guinasso, [jguinasso@pvas.net](mailto:jguinasso@pvas.net) or Martha Morris, [martha\\_morris@hotmail.com](mailto:martha_morris@hotmail.com). or [pvas.net](http://pvas.net)

### THURSDAY MAY 9 - TROPICAL FISH CLUB OF BURLINGTON

#### • GARY ELSON - LIVEBEARERS

Meets the 2nd Thursday of the month at the VFW Hall, 73 Pearl St., Essex Junction, VT. Meetings start @ 6:30 pm. Door prizes, bowl show (warmer months), monthly auction, fish discussions and a good time! New members are welcome! Info: David Banks at [dbanks@together.net](mailto:dbanks@together.net) or [www.tfcb.org](http://www.tfcb.org)

### SATURDAY MAY 11- BUCKS COUNTY AS

#### • SPECIAL EVENT - ANNUAL SPRING AUCTION

Meets usually the 1st Thursday of the month except August. Meetings start @ 7:30 pm doors open @ 7:00 pm, at the Churchville Nature Center, 501, Churchville Lane, Churchville, PA. Annual membership is \$20 for single membership, and \$10 for each additional family member who wishes to have voting privileges and the ability to participate in the BAP program. Info: [bcasonline.com](http://bcasonline.com)

### MONDAY MAY 13- JERSEY SHORE AS

#### • TONY & ROSE - TOPIC TBA

Meets the 2nd Monday of the month at the South Wall Fire Rescue Co., 2605 Atlantic Ave., Manasquan, NJ. @ 7:30 pm. Speakers, auction rare & exotic fish, aquatic plants, door prizes.

Info: [www.jerseyshoreAS.org](http://www.jerseyshoreAS.org); or (732)-859-5595 or [mws71@yahoo.com](mailto:mws71@yahoo.com)

### TUESDAY MAY 14 - NASSAU COUNTY AS

#### • TBA

Usually meets the 2nd Tuesday. of the month at Molloy College., 1000 Hempstead Ave., Rockville Centre NY @ 8:00 pm. General meetings open to the public. Guest speakers, fish related events, raffles, mini-auction. Info: Mike Foran (516)-798-6766, or at [info@ncasweb.org](mailto:info@ncasweb.org) or <http://ncasweb.org/directions.php>.

### THURSDAY MAY 16 - NORWALK AS

#### • TBA

Meets the 3rd Thursday of the month @ 8:00 pm at Earthplace, The Nature Discovery Center, 10 Woodside Lane, Westport, CT. Open to public.

Info: [Norwalkas.org](http://Norwalkas.org)

### FRIDAY MAY 17 - LONG ISLAND AS

#### • TBA

Meets the 3rd Friday of the month at SUNY Stony Brook's Maritime Science area, Room 120 in Endeavor Hall (After you enter building, take hallway on the right. Room 120 is first room on the left) on the State University at Stony Brook Campus, Stony Brook, NY 11794. Doors open @ 7:30 pm, meeting starts @ 8:00pm. Speakers, auctions, refreshments, free parking.

Info: [www.liasonline.org](http://www.liasonline.org)

### SATURDAY MAY 18 - NORTH JERSEY AS

#### • TBA

Meets the 3rd Saturday of the month 12:30 pm sharp at the Clark Public Library Union County just off the Parkway at exit 135. NJAS one of the largest and most well respected aquarium clubs in North America. Since 1953, NJAS has provided a friendly outlet for the exchange of aquarium-related ideas and information and recognizes the accomplishments of local hobbyists.

Info: [www.njas.net/](http://www.njas.net/)

### WEDNESDAY MAY 22 - METROPOLITAN AREA KILLIFISH ASSOC.

#### • TBA

Meets 4th Wednesday of the month @ 8:00 pm at the Meadowlands Environmental Center, Lyndhurst, NJ. Speaker and auction of fish eggs, plants and dry goods. Refreshments served.

Info: [SLMACK@compuserve.com](mailto:SLMACK@compuserve.com)

### FRIDAY MAY 24 - DANBURY AREA AS

#### • TBA

Meets the 4th Friday of the month @ 7:30 pm at Laura Sprain Memorial Cornerstone park, 1 Fair St. Carmel, NY 10512. Info: Rich Litsky (845) 228-0372 or Joe Masi (845)-896-4793 or [daas@northeast-council](mailto:daas@northeast-council).

### TUESDAY MAY 28 - GREATER HARTFORD AS

#### • TBA

Meets 4th Tuesday of the month @ 7:00 pm at the Lutz Children's Museum, 247 S. Main St., Manchester, CT.

Info: (860)-643-0949

### TUESDAY MAY 28 - BIG APPLE GUPPY CLUB

#### • TBA

Meets: the last Tuesday each month (except Jan, Feb, July, and August) @ 7:30 to 10:00 pm. Alley Pond Environmental Ctr., 228-06 Northern Blvd., Queens, NY. Info: Donald Curtin (718) 631-0538 or [twindon1@aol.com](mailto:twindon1@aol.com)



## **~ LARRY JINKS ~**

**April 13, 1950 ~ April 26, 2019**

**It is with regret and great sorrow that we must inform you that Larry Jinks passed away.**

**Larry had a rare and incurable disease that took everyone by surprise.**

**Larry was a member of many fish societies.**

**He was an avid fish breeder and always enjoyed the challenge of breeding difficult species. He was the champion breeder in many clubs; Brooklyn and North Jersey to name a couple. There will be a memorial service for him in the future, near where he lived in New Jersey.**

# Coming Events

## 2019 EXHIBITIONS, AUCTIONS & CONVENTIONS 2019

**MAY 19 - SOUTH JERSEY GUPPY GROUP ALL SPECIES AUCTION** held at the Griggstown Fire House, 1037 Canal Rd, Griggstown, NY 08540  
For info: [www.south-jersey-guppy-group.com](http://www.south-jersey-guppy-group.com)

**MAY 19 - OTTER VALLEY AQUARIUM SOCIETY SPRING AUCTION & BOWL SHOW.** Held at the American Legion Post 31, 33 Washington St, Rutland VT 05701. Free admission, door prizes, 50/50 raffle. Silent auction plant tables. Peoples choice bowl show; 1st prize \$100 • 2nd prize \$75 • 3rd prize \$50. Viewing of lots 9:30 am- 11:30 am.  
For info: [www.ovasociety.com](http://www.ovasociety.com)

**MAY 23-24-25-26 - AMERICAN LIVEBEARER ASSOCIATION 2019 CONVENTION** held at the Crowne Plaza, [Louisville Airport] 803 Phillips Lane, Louisville, KY. **Event Categories:** Auctions, Conventions, Fish and aquatic plants, Freshwater, Livebearers, Speakers, Trade Show, Tropical Fish, Vendors. Hosted by Louisville Tropical Fish Fanciers.  
For info: <http://Itff.net/>

**MAY 24-26 - AMERICAN KILLIFISH ASSOCIATION 2019 CONVENTION** at Embassy Suites by Hilton Columbus Airport, 28886 Airport Drive, Columbus, Ohio 53219. Registration and Banquet fees are +10/ea. after May 1st, 2019. Individual • Family \$50 • Banquet \$45. Call: 1 614-536-0500 for hotel room registration: @ \$109 per night. **Speakers:** Jeremy Basch, Dave Koran, Charles Nunziata, Heinz Ott.

• **Thursday:** 9 am Setup Begins, Fish show room setup.  
• **Friday:** 9 am fish show room setup and new and rare fish. 10 am Fish sale room setup. 12 pm convention registration, fish sale room, fish show room & vendor room opens. 3 pm guest speaker room setup. 6 pm dinner. 7 pm **Jeremy Basch**, "Collecting In Colombia". 9 pm **Heinz Ott**, "Experiences with Raising Killifish". 10 pm-12 am hospitality room opens.  
• **Saturday,** 7 am fish show judging begins. 8 am fish sale room & registration opens. 9 am vendor room opens. 12 pm fish sale room closes. Lunch 12 pm-1 pm. 1 pm **Charlie Nunziata**, "Killifish Conservation". 3 pm **Dave Koran**, "Desert Killifish". 5 pm Round Table Discussion. 6 pm banquet. 7 pm awards ceremony. 8 pm banquet speaker **Heinz Ott**, "Collecting Killifish in Guinea". Fish showroom, vendor room & hospitality room opens after speaker. Hospitality room beer and snacks.

• **Sunday, 10 am** Auction Registration. 11 am Auction Begins. 5 pm Auction Ends.

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



**JUNE 7-9 - TROPICAL FISH CLUB OF BURLINGTON CELEBRATES 30 YEARS.** Held at the Holiday Inn, South Burlington, VT. Seminars & **speakers:** Hans Georg Evers, Steve Lundblad, Les Wilson, Andres Alvarado and others. Also includes a tour of Vermont Microbreweries, dinner cruise on Lake Champlain, Friday night social pizza party, plus Sunday Auction, raffles, vendors, and more.  
For info: Visit [www.thcb.org](http://www.thcb.org)

**JUNE 20-21-22-23 - INTERNATIONAL BETTA CONGRESS SHOW & ANNUAL MEETING** held at the Atrium Hotel & suites, 4600 W. Airport Fwy, Irving, TX 75026. **Event Categories:** Bettas, Club Meetings, Conference, Exhibition, Fish Shows, Freshwater Tropical Fish.

For info: <http://www.ibcbettas.org/>

**JULY 18-21 - NEW ENGLAND CICHLID ASSOCIATION. ACA CONVENTION** held at the Red Lion Hotel, 100 Berlin Road, Cromwell CT. 06416. **Event Categories:** Aquarium supplies and equipment, Auctions, Cichlids, Conventions, Exhibition, Fish and aquatic plants, Fish Shows, Freshwater, Raffles, **Speakers:** Jim Cummings, Paul V. Loiselle Ph.D., Oliver Lucanus, les Kaufman Ph.D., Wayne Leibel Ph.D., Adrian Indermaur Ph.D., Larry Johnson, Lawrence Kent. Trade Show, Tropical Fish, Vendors  
For info: [www.necichilds.org](http://www.necichilds.org)

**AUGUST 30 - SEPTEMBER 1 - MARINE AQUARIUM CONFERENCE OF NORTH AMERICA 2019 [MACNA]** held at the Walt Disney World Swan & Resort, Florida. The Conference Tickets include: 3-day access to the Exhibit Floor, Speaker Access, Workshop Access, Meet-up Access, Friday Night Reception, and Saturday Night Banquet Tickets start at just \$139 (chicken/ vegetarian) and \$154 (beef). This early bird pricing will not be available for long, so book early! Our #MACNA2019 rates include the resort fee and start at \$175 per night, so don't believe the prices you see on the internet which will charge you more at checkout. All reservations for rooms through MACNA.org are held with your credit card, but the deposits are not charged until August 1, 2019.

For info: [macnaconference.org](http://macnaconference.org)





# News & Notes



## New Aquarium Products

**Nano Cube aquarium kit** featuring next-generation Cree LED technology provides more light with less wattage. • Energy-efficient LEDs support photosynthetic aquarium species and bring out their brightest colors. • 2 aquarium sizes packed with efficient features and ideal for freshwater, brackish, saltwater, or reef setups

### SPECIFICATIONS:

**6-GALLON** • Dimensions: 11.8" x 13.4" x 11.8" • Capacity: 6-gallons • LED Bulbs: 6 total: 3 blue, 3 white • LED Total Output Wattage: 7.8W • Pump: 8 W SP1-400 0.8 LIFT • Power Supply: 110V, 60 Hz • Weight: 21 lbs

**12-GALLON** • Dimensions: 15.8" x 13.8" x 14.8" • Capacity: 12 gallons • LED Bulbs: 8 total: 5 blue, 3 white • LED Total Output Wattage: 10.4W • Pump: 8 W SP1-400 0.8 LIFT • Power Supply: 110V, 60 Hz • Weight: 29 lbs



### Fish Mate P7000 Auto Pond Fish Feeder

- Large capacity pond fish feeder for reliable, automated meals. • Feeder dispenses pellet and stick koi food up to 5/8" in size • Auto unblock function helps keep koi food from clogging feeder.
- Clog-free performance means reliable, automated meals for pond fish. Fish Mate P7000 Auto Pond Fish Feeder features an automatic unblock function and a unique auger-style feeding mechanism. Corkscrew action prevents compaction as it dispenses preprogrammed portions of koi pond food pellets or sticks up to 5/8" in size. Also handles large, irregular pond fish foods for nutritionally varied feedings no longer limited to just pellet fish foods!





# News & Notes

Mark Kalaygian - *Pet Business* 2/26/2019

## PetSmart, Petco Losing Ground to Independents

**A**fter more than 20 years of watching PetSmart and Petco enjoy the lion's share of consumer spending in the pet specialty channel, it appears that independent pet store chains are gaining ground.

According to the latest edition of the Pet Stores in the U.S. industry report (December 2018) from global market research firm IBISWorld, the two big-box chains' combined sales accounted for less than half of the pet specialty retail market for the first time in a long time.

Of course, with 47.2 percent market share between them, PetSmart (27.3 percent) and Petco (19.9 percent) are still major forces in the channel. But when you consider that, just six years ago, the two chains together reportedly accounted for nearly 64 percent of the market, it becomes clear that the other players in the pet specialty channel must be doing something right.

More evidence that independent pet retailers are catching up to the big boxes can be found in this month's cover story, which revolves around an update of *Pet Business'* annual Top 25 Retailers list.

Looking at this year's list, we see that the total number of stores operated by the Top 25 Retailers in the pet specialty channel increased by 2,379 over the past six years—about 34 percent of which were opened by either Petco or PetSmart. However, over the previous five-year period, the

two big-box chains were responsible for more than 70 percent of the Top 25 list's store count increase.

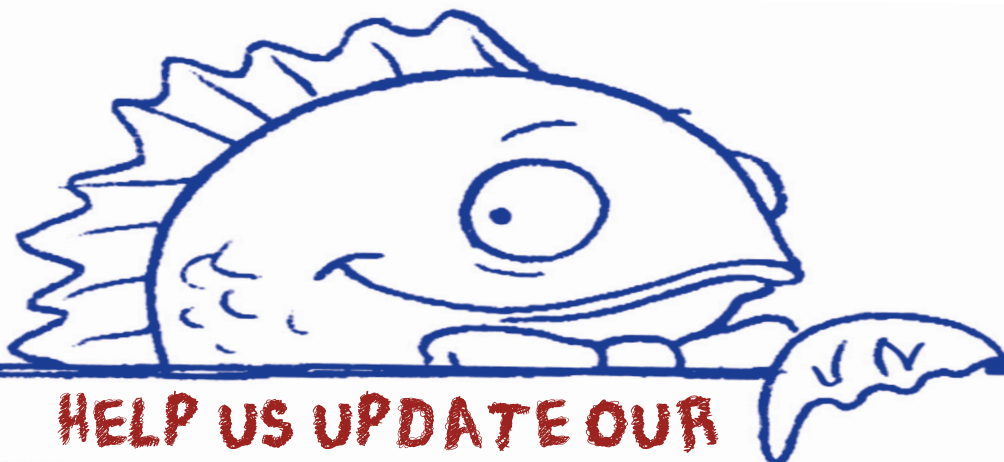
Obviously, momentum has shifted toward the independents, but why?

We can point to the impact of online sales, which many industry experts say disproportionately hurt big-box retailers across every channel. That is because these chains typically compete primarily on price and convenience—two areas where internet outlets like Amazon excel. Making matters worse, neither PetSmart nor Petco have done a particularly good job luring online shoppers, although there are some signs that they have been making progress recently.

Still, I think what has played a much bigger role in shifting the balance within the pet specialty channel is the ongoing evolution of its independent retailers. Whether you're talking about the 91-store Hollywood Feed chain or Concord Pet with 29 stores, these "small" retailers have gotten very good at leveraging their unique strengths to be formidable competitors. And now that we're seeing the emergence of a new class of independent retailers like Pet Retail Brands and Independent Pet Partners, which can wield the combined might of multiple chains, I doubt that things are going to get any easier for the big boxes.

I hope they enjoyed the lion's share while they had it.

# News & Notes



## HELP US UPDATE OUR ARCHIVES

We need someone who can edit the videos we make at our speaker events and upload them to our account on Vimeo.

Please contact Joe at (917) 922-5108.

We have an archive of our guest speaker videos from as far back as 1995. We make these videos so that members who could not attend the meeting or wish to refresh their aquatic skills can watch and learn from the speaker's topic.

Our mission since 1911 is Educating Aquarists!

## BAS MEMBERS CAN BUY & SELL ON THE BAS FORUM

Any BAS member can place a **free** ad to sell or to buy any fish type item. The item to sell or buy is to be entered into the BAS Forum which is located on our BAS website: <http://WWW.BrooklynAquariumSociety.org>. The Forum entry point is located on the top right side of our websites main page.

The Brooklyn Aquarium Society Inc. is a non-profit organization 501(C) (3) for people interested in the aquarium hobby and the study of aquatic life. The Society meets the 2nd Friday of each month except July and August at the Educational Hall of the NY Aquarium at Coney Island, Surf Ave. at West 8th St., at 7:30 PM. Meetings are open to visitors. Membership is \$25 per year family, \$20 individual, \$15 for students under 18. Send inquires or membership checks to Brooklyn Aquarium Society, c/o Membership Chairperson, P.O. Box 290610, Brooklyn, NY 11229-0011.

# News & Notes

We are sad to inform our members that another family owned pet shop, **Coral Aquarium** in Queens, has gone out of business.



## OCEAN WONDERS AT THE NY AQUARIUM

### SHARKS

Over 115 marine species, 18 different kinds of sharks and rays, an unforgettable experience. The Donald Zucker and Barbara Hrbek Zucker Ocean Wonders: Sharks! the exhibit brings some of the most misunderstood animals out of the depths and nose-to-nose with you!

### CORAL REEFS

Sometimes tunnel vision is a good thing. Like when it puts you smack dab in the middle of this colorful coral reef, surrounded by blacktip reef sharks, butterflyfish, and zebra sharks swimming above you.

### DAILY SCHEDULE

10:00 AM - Aquarium Opens  
10:30 AM - Penguin Feeding 15 minutes  
11:00 AM - Aquatheater Show 15 minutes  
11:30 AM - Sea Lion Feeding 15 minutes  
11:45 AM - Harbor Seal Feeding 15 minutes

1:00 PM - Aquatheater Show 15 minutes  
1:30 PM - Otter Feeding 15 minutes  
2:45 PM - Harbor Seal Feeding 15 minutes  
3:00 PM - Sea Lion Feeding 15 minutes  
3:15 PM - Aquatheater Show 15 minutes

4:00 PM - Penguin Feeding 15 minutes  
4:00 PM - Last Entry  
5:00 PM - Aquarium Closes

# News & Notes

MarineAnd Reef.com - Newsletter #234 March 12th, 2019



## What is Aquarium Chemical Filtration?

Chemical filtration in an aquarium is the process of removing unwanted contaminants by using chemical compounds. There are three main types of chemical filtration products: carbon, phosphate remover and resin. Each has unique benefits and a different manner for use in an aquarium.

### Carbon

Carbon is the most common form of chemical filtration. It is included in small amounts in most power filters, canister filters, and built in filters. This carbon, which comes from charcoal, is typically activated carbon. This means the charcoal has been heated or otherwise treated to increase its adsorptive power. This activation makes the carbon extremely reactive with other chemicals. These chemicals attach themselves to the surface of the carbon in a process known as adsorption. Once the compounds are attached to the carbon they are removed from the water.

Carbon doesn't remove primary toxic compounds like ammonia and nitrate. Instead, carbon is a great way to remove odors and discoloring compounds from the water. If you notice that your aquarium has a smell, or your water has a

tint to it, carbon can help. Carbon can be used in any aquarium and is the easiest way to improve water clarity.

The best way to use carbon is in a dedicated reactor. A carbon reactor such as the Two Little Fishies Phosban Reactor 150 will hold a large amount of carbon and pump water directly through the carbon. We carry a Reactor 150 Carbon Package with all the needed components.

When using carbon be sure to use a media bag or sponges to hold it in place so it does not grind itself up.

All carbon should be rinsed before use, as carbon dust can be unhealthy for fish. If your carbon is in a bag, simply rinse the bag under the sink before putting it in your filter. If you are using carbon in a reactor, then run the outlet hose of the reactor into a small bucket until the water coming out of the reactor runs clear.

Most aquarists replace carbon once a month or bi-monthly. However, carbon is typically exhausted in a week or less. It can get expensive to replace carbon once a week. The alternative is to just have carbon in the tank a couple days a month or run a carbon reactor a couple days a month.



# News & Notes

## Phosphate Remover

Phosphate removers are specifically designed to remove phosphate. High phosphate levels can lead to brittle corals, slow growing corals, and algae growth. There are two main types of phosphate removers: iron oxide and aluminum oxide.

Iron oxide usually comes in small granules and is known as GFO. GFO is great for maintaining low phosphate levels in an aquarium. However, if you have extremely high phosphate levels it can become exhausted very quickly.

For very high levels of phosphate, aluminum oxide is a better choice. The most common aluminum oxide product is Seachem PhosBond. Once your levels are low, it is best to switch back to GFO to maintain phosphate levels.

The most efficient way to use a phosphate remover is in a dedicated media reactor. You can use aluminum oxide removers in a media reactor just as you would carbon, but when you use GFO the media should NOT be tightly packed between sponges or in a media bag. Instead, the media should be tumbled in a reactor so the surface of the media in your media reactor looks like it is dancing. This will ensure there is no channeling of water through the media. You can use a ball valve with your reactor to dial in the flow for the correct tumble.

If you do not use a media reactor, you can place your media in a media bag and then in a canister filter or filter chamber. Just like carbon, phosphate removers should be rinsed before use. Phosphate removers can last from 1-3 months and should be replaced when phosphate levels start to rise again.

## Resins

Resins encompass a wide variety of filter media. Some popular options include Chemi-Pure, ClearFX, and Purigen. These resins are unique chemical compounds that absorb waste. Unlike carbon and phosphate removers, these resins can remove major waste compounds like ammonia, nitrite and nitrate. Resins generally last longer than other chemical filtration media, but they are often significantly more expensive. It is also common to mix filter resins with carbon and phosphate removers such as Pro Clear FX and Chemi-Pure Blue.

Because resins are unique to each manufacturer, make sure to follow the manufacturer's instructions on how to use their resin. In general, resins come pre-bagged and should be rinsed before use. Resins can then be placed in a media reactor or filter. Most resins will last for 3-6 months before needing replacement. Some resins such as Seachem Purigen and BlueLife Resins can be recharged and reused (see Blue Life Organic FX Regeneration Package, Blue Life Nitrate FX Regeneration Package & Blue Life Phos FX Regeneration Package).

**Please contact us  
with any questions you have.**

**[sales@marineandreef.com](mailto:sales@marineandreef.com)**

**Toll-Free 877-878-9349  
International 1-480-491-5283**

**Monday-Friday 8am-11:30am & 12:30pm-4pm MT**

**Note:  
We do not have daylight savings time  
in Arizona**

# News & Notes

Minyvonne Burke and Associated Press *U.S. NEWS*, April 8, 2019, 5:56 PM EDT

## North Carolina man charged with animal cruelty after abandoning pet fish

North Carolina man charged with animal cruelty after abandoning pet fish This "is a life like any dog or cat," a sheriff's officer said of the fish, which was found diseased and with no food.

**A** North Carolina man was charged with animal cruelty and abandonment after leaving his pet fish in filthy conditions.

The fish's owner, Michael Hinson, was evicted from his Wilmington, North Carolina, home last month and left the fish behind in a dirty tank with no food, authorities said.

The 6-inch-long fish was found at the home last week, and authorities took it to The Fish Room, a shop that sells pet fish and supplies, where it was discovered that the fish was suffering from hole in the head disease, which causes lesions.

"It's amazing this fish survived," shop employee Brett Edwards told NBC News on Monday. "I have personally never seen a case this bad."

Michael Hinson faces charges after he abandoned his pet fish. New Hanover County Sheriff's Office Edwards said that the fish had about 15 holes in its head when he was brought to their store last week. Now, the fish just has dents where the holes had been.

Edwards said fish develop the disease by being left in "very, very poor conditions for quite some time." The fish had to survive by eating cockroaches that fell into the tank, according to Edwards.

Hinson, 53, was charged Wednesday with one count of abandonment of an animal and three counts of misdemeanor cruelty to animals. He couldn't be reached by The Associated Press, and court records don't list an attorney.

Sheriff's Office Lt. Jerry Brewer in New Hanover County said it's the county's first animal cruelty case involving a pet fish, but this "is a life like any dog or cat."

The Fish Room has been treating the fish's disease and expects it to make a full recovery, although Edwards said it's hard to tell when it will be 100 percent healthy because of how severe the case was. Once the fish does recover, officials will most likely find a new home for it.

"We're doing everything in our power to get this fish back healthy," Edwards said.



Michael Hinson faces charges after he abandoned his pet fish.



# New and Renewing members April 2019

## NEW Members

Edward Burgos  
Edward Lecig  
Christopher Gaines  
Raymond Mongroo

Maria Penrose  
Erica Olsen  
Tanhai Tull  
Jay Radel

## Renewals

John Fox  
David Hinds  
Terrance Kinsey

Angela Lazaro  
Neil Magerson

**THE FOLLOWING MADE GENEROUS DONATIONS  
TO THE APRIL AUCTION - THANK YOU ALL!**

## INDIVIDUALS

Bill Amely  
Sergay Artemov  
Nick Caputo  
John Fox

Joe Graffagnino  
Gene Kogan  
Don Lang  
Steve Matassa

Scott Peters  
Lisa Quilty  
Dennis Vardaro

## STORES & COMPANIES

- Brooklyn Zoo & Aquarium, Brooklyn, NY
  - Monster Aquarium, Queens, NY
- Pacific Aquarium & Pet, New York, NY
- Parrots of the World, Rockville Center, NY

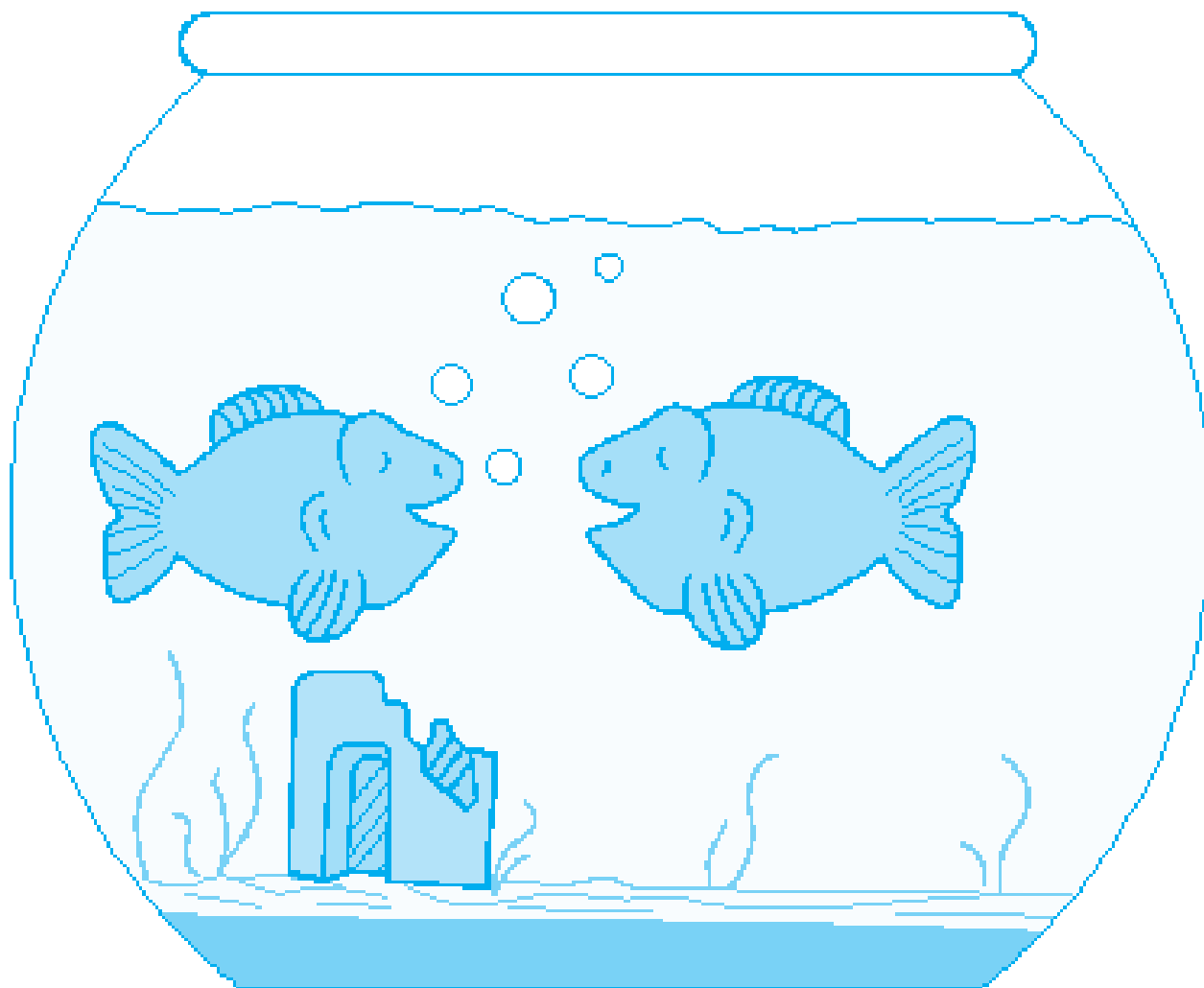
The Brooklyn Aquarium Society is a federally registered 501(C) (3) nonprofit organization.  
Your gift is tax deductible to the fullest extent of the law.

## Tip Of The Month

When choosing the correct size heater for your aquarium you should allow 10 watts per gallon. For larger tanks it is wise to use two heaters placed at either end of the tank to evenly heat the water.

Remember that heaters should be placed clear of the gravel to ensure adequate water circulation of water around the heater. Submersible heaters with suction cups can be placed at any level you wish and are an excellent choice for heating aquariums.

Remember never test heaters out of the water, and always adjust the temperature of the heater when submerged in water.





# Shirts, Hats & Patches

## GET YOUR BAS T-SHIRT

SMALL TO XL **\$10** EACH

PRICE VARIES ON XXL & LARGER SIZES

Historic  
Brooklyn Aquarium Society  
logo in gold on navy blue  
short sleeve T-shirt.  
White lettering states the  
society's mission...

**Educating  
Aquarists  
Since 1911**



### A FEW BLACK BAS T-SHIRTS LEFT

BACK



FRONT



OFFICIAL CAP.  
Blue with  
embroidered gold  
BAS insignia.  
One size fits all.  
**\$10** each

OFFICIAL  
BAS embroidered  
patches that can easily  
be ironed onto any  
shirt, hat, jacket or  
article of clothing  
you wish.  
Only **\$4** each



# Books By Our Talented Members



## P. M. GRIFFIN

**P.M. Griffin**, better known to us as **Pauline Griffin**, lives in Brooklyn, N Y, with her cat Nick-olette and two tropical fish aquariums and devotes just about every 'spare' moment to writing, research, and reading.

Pauline is an award winning well known science fiction and fantasy writer with some 28 novels and story collections under her belt. She has now branched out and written a romance novel, featuring two farms, one purpose. Two hearts, one love, but there are diffi-

culties in plenty to challenge any hope of a happy conclusion. You have to read this novel to find the answer.

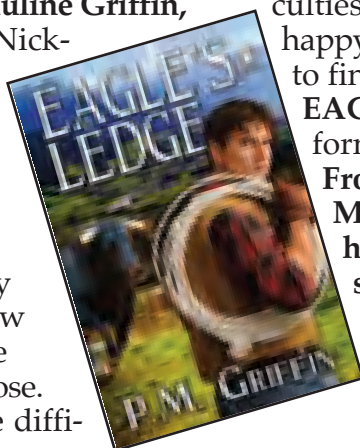
**EAGLE'S LEDGE** is available in electronic format from the following sources:

**From the publisher,**

**MuseItUp Publishing, at**

<https://museituppublishing.com/book-store/index.php/coming-soon/february-2018/eagle-s-ledge-detail#top>

Also available at: Amazon, Barnes & Noble, ibooks, Scribd, 24Symbols.





# Books By Our Talented Members

**NEW**

**JOE GRAFFAGNINO**



The Saga of Mary & Ma Li is the final piece of a fantasy and adventure trilogy. A ruthless Chinese billionaire industrialist and his gorgeous homicidal maniac enforcer convince the leaders of China to support their plan to manipulate the world's stock markets and thus control the world. With China's political and military might behind them, it seems that nothing can stop their plan of world conquest. As fate would have it, their accountant is a CIA undercover mole operative. Mary and the Carrington Protection and Recovery Agency are hired by the CIA and the Chinese billionaire without each sides knowledge, to find and return the elusive agent and the secret documents he possesses that prove China's involvement.

The story unites modern China and feudal Japan in turmoil. Old enemies and new ones become allies to destroy Mary and Ma Li. Unknown to the spirit sisters, a bet between a demon and an archangel centuries before was the catalyst that created both Mary and Ma Li and the mystical swords that became their weapons. These same elements are needed by demons to open a chasm between the world of humans and the demon realm to start an unholy revolution.

Mary and Ma Li are thrown into a fight for survival in both the mortal and spirit worlds. Friends' loyalties are tested and enemies are forced to trust each other. Ancient prophecies are fulfilled, but not the ones written by man, but the original vows witnessed by long-dead spirits and enforced by demons and angels. The saga now comes full circle for Mary and Ma Li. The past and the present combine to decide their own fate. But, who will decide the survival of supportive friends, loving family, Mary's children?



**Ma Li & Mary** A bet between a demon and an angel created the existence of Ma Li, a 15th century warrior priestess and Mary, a 20th century Taoist priestess. The trials and experiences these two women endured; the battles they fought and the people they met in their travels were merely guideposts along their preordained path. Separated by five centuries the connection they shared survived and strengthened. Both women learned and grew from their spiritual bond.

The story of Ma Li & Mary is one of love, loyalty, betrayal and survival at all costs.

Mary Petrovich's mother was a Sioux Indian cryptologist working for the U.S. government in Moscow, and her Russian Secret Police father, were forced to flee to Chicago to escape Soviet and American government agents in the 1980's. They took refuge with her Uncle, a crazed, sadistic gangster. He murdered her parents and repeatedly beat and raped her before she escaped at the age of twelve.

• Local book stores have it as well as **Amazon, Barnes and Nobles** and my publisher **AuthorHouse**.

Soft cover is priced at \$13.99 and Kindle/Nook version at \$3.99. I will bring some to the next meeting for those who want autographed copies.



## *Fantasy & HORROR* SHORT STORIES

In addition to his fantasy / adventure novel "*The Journey of Mary/Ma Li*". His latest book has 13 short stories under the title of "*Fantasy & Horror Short Stories*". These 13 stories draw readers into a compelling web of intrigue and suspense. Some are funny, others sad, and still others capture the inner conflicts that torment us yet hint at hope for a brighter tomorrow. Readers immediately identify with the bigger-than-life fictional characters that make us ponder our inner selves, fantasies, dreams and passions, and question how far we're willing to go to get what we want.

"*Fantasy & Horror Short Stories*" is available at all book retailers and is available in hardcover, softcover and electronic editions. **Amazon has it in Kindle and Barnes and Noble has it in Nook versions for \$3.99.**

Please visit Joe's web site [www.JAGraffagnino.com](http://www.JAGraffagnino.com) to purchase either book, in any of the listed formats. Also visit his web site for contests, FREE giveaways and information about other soon-to-be-released works from the author.



## GET TO KNOW OUR SPONSORS.

**O**ur local aquarium shops are important friends of the fishkeeping hobby. They're here to serve your immediate needs - medications, live foods, or a replacement part for a filter, and best of all, you can inspect the fish you want to buy in person, plus most shops will special order fish for you.

**MOST GIVE BAS MEMBERS DISCOUNTS.**

*"Get to know our sponsors and do your shopping with them!"*



**MARINE DEPOT** wants to help you build a better aquarium. You can earn rewards for every purchase with over 3,875 items to choose from.

You can TAKE ADVANTAGE of their special Financing Offers and ongoing sales and specials.

**REFER YOUR FRIENDS - GIVE \$10 — GET \$10**

It's Easy! Here's How It Works:

1. Just go to [www.marinedepot.com](http://www.marinedepot.com) and click on the **REFER A FRIEND GET \$10 OFF** button for information.
2. Your friends get a coupon for \$10 off their 1st order
3. You get \$10 (1000 points) when your friends place their 1st order.

[www.marinedepot.com](http://www.marinedepot.com)

**1-714-385-0080**

**DISCUSGUY.COM**, Discus Fish Store where we have high quality Discus fish for sale at wholesale prices delivered direct to your door. I have been raising and breeding discus for over 20 years providing customers and pet stores with excellent service and **unbeatable prices on discus fish**. If you have any questions about discus or if you are interested in a specific strain of discus that you don't see in my store, please contact me and I will get back to you as soon as possible.

[WWW.DISCUSGUY.COM](http://WWW.DISCUSGUY.COM)

**TROPICAL FISH HOBBYIST** magazine has helped aquarists succeed in fish keeping for 64 years. Every serious hobbyist should subscribe to TFH. Now a bi-monthly, they offer a special subscription deal: buy 6 issues and get 3 Free.

Use promo Code **VIP** to get the deal.  
[tfhmagazine.com/subscriptions](http://tfhmagazine.com/subscriptions)  
**1-888-859-9034**

**AMAZONAS** - The legendary freshwater aquarium magazine is now in English. This is a great publication. If you keep freshwater fish, you should subscribe.

**Only \$29 for 6 issues**  
and well worth it.

**CORAL** - The reef & marine aquarium magazine a fabulous magazine for reef and marine fish enthusiasts.

**\$37 for 6 information packed issue.**

For more information go to  
**WWW.AMAZONASMAGAZINE.COM**

**ABSOLUTELY FISH'S** staff is knowledgeable and can help you solve your aquatic problems. **They offer a 15% discount on select fish, marine life & supplies when you present your current BAS membership card.** A really great aquatic shop and well worth the trip.

Make a day of it!

**ABSOLUTELY FISH**  
 1080 Route 46 West, Clifton, NJ 07013  
 Ph: 1 (973) 365-0200  
 Open 7 days a week:  
**Mon - Fri 12AM - 9PM Sat 12AM - 8PM Sun 12AM - 5PM**

**MONSTER AQUARIUM INC.** Specializing in exotic freshwater fish, plants & special orders plus a full range of dry goods & fish foods and filter repairs, plus they do set ups & tank maintenance. (freshwater only). **They offer BAS members 10% discount on all in store items**, does not apply to special orders. They're open 7 days a week from 10am to 8pm for all your aquarium needs.

**MONSTER AQUARIUM INC.**

131-08 40th Road  
 Flushing, NY 11354  
 Ph: 347.732.0373

[MONSTERAQUARIUM@HOTMAIL.COM](mailto:MONSTERAQUARIUM@HOTMAIL.COM)

**CARIBSEA** - From marine and reef community aquariums, African cichlid aquariums to planted aquarium substrate you can count on Caribsea. Trusted by hobbyists and professional alike since 1972. They have 280 products to help make you a better hobbyist.

Go to their web site to download their latest catalog or product flyers, videos and directions or to contact them with questions at

[WWW.CARIBSEA.COM](http://WWW.CARIBSEA.COM)





## GET TO KNOW OUR SPONSORS.

**O**ur local aquarium shops are important friends of the fishkeeping hobby. They're here to serve your immediate needs - medications, live foods, or a replacement part for a filter, and best of all, you can inspect the fish you want to buy in person, plus most shops will special order fish for you.

**MOST GIVE BAS MEMBERS DISCOUNTS.**

**"Our sponsors want you to succeed in the hobby and we want them to succeed in their business."**



**MANHATTAN AQUARIUMS** has one of the largest selections of marine fish & corals on the east coast. You should check them out for your Marine Fish & Coral needs.

**BAS members get a 10% discount with a current membership card.**

**MANHATTAN AQUARIUMS**  
522 West 37th Street, NYC, NY 10018  
Ph: 212 594-2272 • Fax: 212 594-2271  
[www.ManhattanAquariums.Com](http://www.ManhattanAquariums.Com)  
[www.UniqueCorals.Com](http://www.UniqueCorals.Com)

### **JOSEPH S. REISMAN & ASSOC. ACCOUNTING & TAX EXPERTS.**

They specialize in aquarium societies, aquarium hobbyists, aquarium retail suppliers and stores and aquarium wholesale suppliers.

**They offer a 10% discount to Brooklyn Aquarium members with a valid membership card.**

Ph: 718-332-1040 • Fax: 800-518-5251 or  
[www.TAXHELP1040.COM](http://www.TAXHELP1040.COM)

**CENTRAL AQUATICS** has been generous in its donations from its **Aqueon** and **Coralife** brands to the BAS, and now they have joined the BAS family of sponsors.

**Aqueon** - *It's all about the fish* - Developed by true aquatic hobbyists and focused on products that will make your life easier when keeping an aquarium.

**Coralife** - *Beyond the basics!* All-inclusive aquariums and a complete range of lighting and equipment that meet the needs of advanced hobbyists.

You can learn more about their products at the following websites:

[aqueonproducts.com](http://aqueonproducts.com) &  
[coralifeproducts.com](http://coralifeproducts.com)  
1-888 - 255 - 4527

**PACIFIC AQUARIUM** in Manhattan's Chinatown carries ornamental goldfish, koi, freshwater fish, & aquatic plants.

**BAS members get 10% discount with current membership card**

(Discounts not to be combined with other specials). They have a full line of aquarium supplies, and you can order custom size tanks.

**PACIFIC AQUARIUM**  
46 Delancey St., NY, NY 10002  
Ph: 1 (212) 995-5895

Open 7 days a week and all holidays 10AM to 7:30PM



### **ZOOMED AQUARIUM LED HO -**

Energy efficient LED Aquarium lighting with a low profile design!

- Unique modular design allows for replacing or swapping out LED panels.
- 50% brighter than T5 HO fluorescent lamps.
- More LEDs than comparable hoods on the market = more light!
- Shimmer effect: Bright white light produces shimmer, just like in nature.

Find out more about it and other ZooMed aquatic products at

**[WWW.ZOOMED.COM](http://WWW.ZOOMED.COM)**

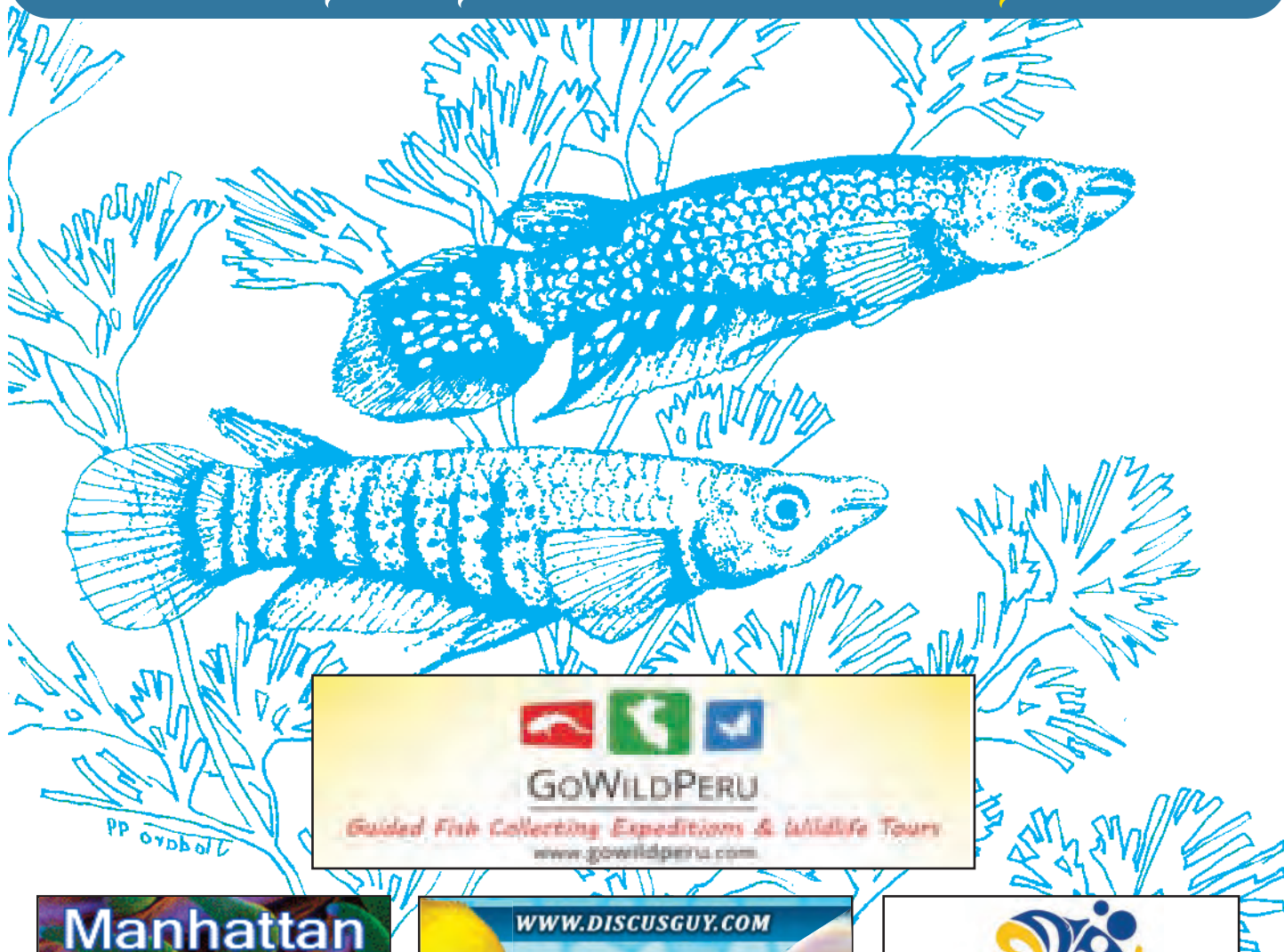
**REEF NUTRITION Inc.** Advanced Fish Feeds not only include natural, color-enhancing ingredients, they provide the highest quality nutrition and the least waste, resulting in a cleaner tank. Their high quality feeds are made using proprietary processes developed by their parent company, Reed Mariculture, a world leader in the development of algae - and zooplankton - based feeds.

**Reef Nutrition - We Feed Your Reef.** See your fave LFS for Reef Nutrition products with the purest & most natural feeds on the market.

For more info. go to

**[WWW.REEFNUTRITION.COM](http://WWW.REEFNUTRITION.COM)**

Our Sponsors Support Us!  
We Must Support Them!  
Tell Them You Saw Their Ad  
In The **BAS Bulletin**







**GoWILDPERU**

*Guided Fish Collecting Expeditions & Wildlife Tours*  
[www.gowildperu.com](http://www.gowildperu.com)

**Manhattan Aquariums**

*One of the Largest Selections of Marine Fish & Corals on the East Coast*

**522 West 37th Street  
NYC, NY 10018**

**10%  
DISCOUNT  
FOR MEMBERS**

Phone: 212 594-2272 Ext. 5  
Fax: 212 594-2271  
Cell: 347-782-2407

[www.ManhattanAquariums.Com](http://www.ManhattanAquariums.Com)  
[www.UniqueCorals.Com](http://www.UniqueCorals.Com)

[WWW.DISCUSGUY.COM](http://WWW.DISCUSGUY.COM)

**Wholesale  
Discus Fish  
Shipped to  
Your Door.**

*Discus Guy*



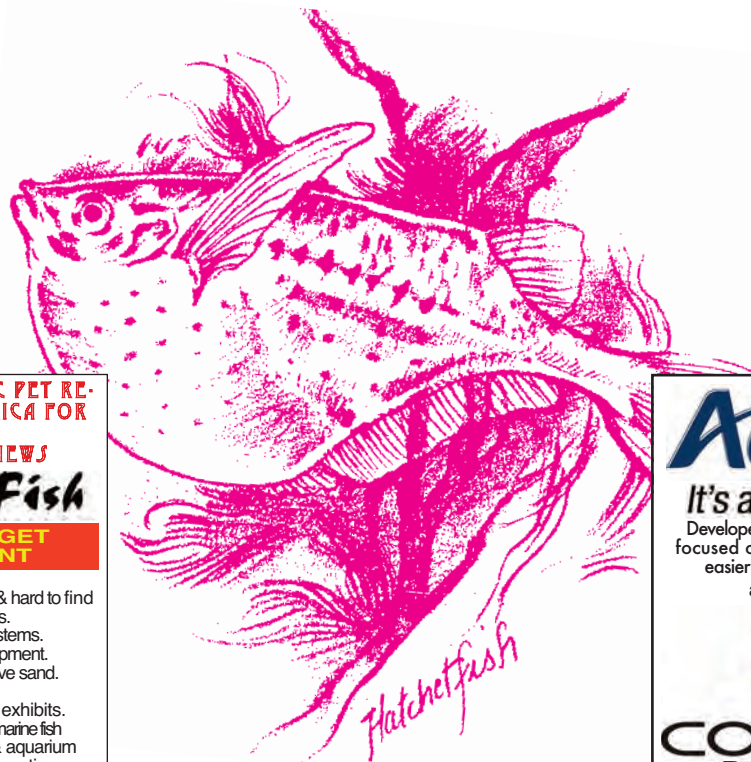
**Marine Depot**

**Build a Better Aquarium  
with Marine Depot**

Earn Rewards for every purchase with over 3875 items to choose from  
**Take advantage**  
 of our special Financing Offers and ongoing sales and specials.  
 Visit [www.marinedepot.com](http://www.marinedepot.com) for more information.

**1-714-385-0080**  
[www.marinedepot.com](http://www.marinedepot.com)

# Our Sponsors Support Us! We Must Support Them! Tell Them You Saw Their Ad In The **BAS Bulletin**



**AWARDED BEST AQUATIC PET RETAILER IN NORTH AMERICA FOR THE YEAR 2013**  
**BY PET PRODUCTS NEWS**

## **Absolutely Fish**

**BAS MEMBERS GET  
A 15% DISCOUNT**

**Freshwater Fish:**  
Over 120 tanks filled with common & hard to find tropical, catfish & cichlids.  
**Specialized aquatic plant systems.**  
**High-tech reef & filtration equipment.**  
Larger selection of live rock & live sand.  
**More invertebrates:**  
Over 2,000 gals of coral-reef exhibits.  
Over 4,000 gals of rare & unusual marine fish.  
**Expert Staff** in marine science & aquarium husbandry ready to answer questions  
Custom aquariums & cabinetry available.

**(973) 365-0200**  
1080 Route 46 West Clifton, NJ 07013  
**Open 7 Days a Week**  
M-F 12AM - 9PM • Sat 12AM - 8PM • Sun 12AM - 5PM  
We Honor: Visa, Master Card, Discover, American Express, MAC

**AQUEON**

*It's all about the fish®*

Developed by true aquatic hobbyists and focused on products that will make your life easier when keeping an aquarium.

[aqueonproducts.com](http://aqueonproducts.com)



**CORALIFE®**  
*Beyond the Basics!*

All-inclusive aquariums and a complete range of lighting and equipment that meet the needs of advanced hobbyists.

[coralifeproducts.com](http://coralifeproducts.com)

**1-888-255-4527**

**CaribSea inc**

Trusted by hobbyist and professionals alike, since 1972

**We have 280 products to help make you a better aquarist!**

**Questions about our products?**

Feel free to contact us via our web site.

[www.caribsea.com](http://www.caribsea.com)

**CaribSea, Inc.**

P.O. Box 13359, Fort Pierce, FL 34979  
**772-461-1113**

**AMAZONAS**

The legendary  
freshwater aquarium  
magazine is now in English  
**\$29 FOR ONE YEAR**

**CORAL**

THE REEF & MARINE  
AQUARIUM MAGAZINE  
**\$37 FOR ONE YEAR**

**SUBSCRIBE NOW!**

[WWW.AMAZONASMAGAZINE.COM](http://WWW.AMAZONASMAGAZINE.COM)

**PACIFIC AQUARIUM**

46 DELANCEY ST., N Y, NY 10002

Ph: **(212) 995.5895**

Open 7 days a week & all holidays  
10am -7:00pm

Specializing in exotic marine fish,  
freshwater fish, goldfish & koi &  
freshwater aquatic plants.

Complete line of aquarium supplies. Custom size tanks & maintenance available.

**10% Discount to  
BAS members with  
current membership card**

**WWW.PACIFICNYC.COM**

Close to the F, B, D, & 6 Subway lines  
Visa, MC, Discover Card, AmEx



# Our Sponsors Support Us! We Must Support Them! Tell Them You Saw Their Ad In The **BAS Bulletin**



**Monster Aquarium**

Specializing in exotic freshwater fish, plants & special orders plus a full range of dry goods & fish foods. Filter repairs, set ups & tank maintenance. (freshwater only)

**10%** Discount for BAS members on all non-promo items. Does not apply to special orders

Open 7 days • 10 am-8 pm for all your aquarium needs.

**Monster Aquarium**  
131-08 40th Road  
Flushing, NY 11354  
**347.732.0373**  
monsteraquarium@hotmail.com

**Reef Nutrition™**  
— We Feed Your Reef —

Reef Nutrition's advanced fish feeds not only include natural, color-enhancing ingredients, they provide the highest quality nutrition and the least waste, resulting in a cleaner tank.

Our high quality feeds are made using proprietary processes developed by our parent company, Reed Mariculture, a world leader in the development of algae - and zooplankton-based feeds.

**Reef Nutrition – We Feed Your Reef**

See your fave LFS for Reef Nutrition products with the purest & most natural feeds on the market.

For more information, go to [www.reefnutrition.com](http://www.reefnutrition.com)

**JOSEPH S. REISMAN & ASSOC.**  
Accounting & Tax Experts  
2751 Coney Island Avenue  
(Corner of Avenue Y) Brooklyn, NY 11235



**WE SPECIALIZE IN:**

- Aquarium Societies
- Aquarium Hobbyists
- Aquarium Retail Suppliers
- Aquarium Wholesale Suppliers

Tel: 718-332-1040  
Fax: 800-518-5251  
[www.TAXHELP1040.com](http://www.TAXHELP1040.com)

10% discount to Brooklyn Aquarium Society members with, valid membership card


**AQUA EFFECTS**  
The Ultimate LED Light & Sound Experience



**WWW.ZOOMED.COM**

**TROPICAL FISH**  
THE BEST THING TO HAPPEN TO AQUARIUMS SINCE WATER

Fishkeeping is more fun when you succeed, and nobody has helped more aquarists succeed



Buy 6 issues, get 3 free Promo Code: VIP  
**SUBSCRIBE TODAY**  
[tfmagazine.com/subscriptions](http://tfmagazine.com/subscriptions) 1-888-859-9034



# THE BENEFITS OF MEMBERSHIP OF THE BROOKLYN AQUARIUM SOCIETY

**Your Membership Card is your Passport to Becoming an "Educated Aquarist."** Don't lose it. Put it in your wallet or purse. You'll need it to attend Monthly Events and get discounts at participating pet stores.

## **YOUR MEMBERSHIP BENEFITS INCLUDE:**

**Free Admission** to all general meetings, held on the 2nd Friday of the month (except July & August) at 7:30 pm at the Education Hall of the New York Aquarium, Coney Island, Surf Avenue at West 8th Street, Brooklyn, N.Y. The Society presents expert speakers on all aspects of the hobby, from freshwater fish to marine aquatic life.

Breeder Awards Program (BAP) – Certificates and trophies awarded.

General meetings are open to the public (a \$5 donation is requested for non-members, good towards membership that evening). Free parking and free refreshments.

**Special Interest Groups:** (SIGs) hold meetings, free at members' homes, for members only. Here's your chance to network with members with the same interests. Discuss, ask questions, learn, teach and develop your expertise in freshwater and/or marine aquarium keeping.

**Aquatica, The Journal of the Brooklyn Aquarium Society**, our bi-monthly (5 issues except July & August) award winning publication is on our web site. Each issue is filled with articles on both marine and freshwater aquaria keeping. Articles can be downloaded.

The **BAS Bulletin**. All members receive our monthly (10 issues except July & August) Newsletter, the **BAS Bulletin** via email, keeping members up to date on the latest events at the Society, notices of interest and monthly regional society events. All non-commercial members are entitled to a free classified want

ad in each issue, to sell, give away or request fish or dry goods.

The **BAS** is on-line at **BASNY.org**.

You'll find up-to-date information about our monthly events, links to other aquarium societies in the US and stores, manufacturers and related aquarium sites. We have an on-line library with downloadable articles. We have our own BAS forum, where you can interact with other freshwater, marine or reef members and post free hobby-related classifieds where members sell and trade fish, corals, plants and equipment.

**BAS Hotline:** For the latest information, call the BAS 24 hour Hotline 718 837-4455 for event and inclement weather information. If you need advice on fish keeping, breeding or where you can find rare or hard to find fish, you can often get help calling the Hotline. Help from the Hotline is always free.

**Volunteer:** The Brooklyn Aquarium Society is an organization run by volunteers. Without them, there would be no BAS. Volunteers help set up events, write articles, coordinate projects, assist and work on committees, help at auctions and meetings. Join in, help, learn and have fun doing it. Call **Steven Matassa**, President (718) 238-1792.

**Discounts for Members** at many BAS participating pet stores when you present your current BAS membership card.

Welcome and we hope you take advantage of the many benefits BAS has to offer.



**The Officers & Board of the Brooklyn Aquarium Society**

**Educating Aquarists Since 1911**

# BECOME AN EDUCATED AQUARIST



## Membership & Renewal Application Brooklyn Aquarium Society

Mail This Form And Your Check Payable to Brooklyn Aquarium Society to  
**BROOKLYN AQUARIUM SOCIETY, ATT: MEMBERSHIP CHAIRPERSON**  
**P.O. BOX 290610, BROOKLYN, NEW YORK 11229-0011**



Meetings are held at the NY Aquarium Education Hall on the 2nd Friday of the month at 7:30pm. Knowledgeable speakers on fish care and culture, and fish auctions.

Free parking and refreshments. All meetings are free to members. Visit us on line:

[WWW.BROOKLYNAQUARIUMSOCIETY.ORG](http://WWW.BROOKLYNAQUARIUMSOCIETY.ORG)

**NAME** \_\_\_\_\_ **OCCUPATION** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_ **CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**PHONE** (DAY) \_\_\_\_\_ (EVE) \_\_\_\_\_ (FAX) \_\_\_\_\_

**E-mail Address** \_\_\_\_\_

**TYPE & LENGTH OF MEMBERSHIP:** (CHECK ONE)

**INDIVIDUAL**

**FAMILY**

☐ \$15 STUDENT 1 YEAR

(UNDER 18 YEARS)

1yr. \$20	2yr. \$36	3yr. \$51	4yr. \$68	1yr. \$25	2yr. \$45	3yr. \$63	4yr. \$85
--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

\*If family membership, please list all family members. **Only first two listed will have voting rights.**

1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_

4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_

**Number of tanks** ☐ marine ☐ freshwater ☐ **Do you breed fish?**  
☐ [yes] ☐ [no]

**If yes, what types do you breed:** \_\_\_\_\_

**Special interest (if any)** \_\_\_\_\_

**How did you hear about BAS** [friend] [dealer] [flyer] [Aquatica] [mag ad] [online] other \_\_\_\_\_

**To volunteer check [yes] [no]** A board member will contact you if you check yes.

On occasion, the Brooklyn Aquarium Society uses its mailing list to send notices of interest to our members.

If you **DO NOT** wish to receive these mailings please check here ☐

### Official use

Member number: \_\_\_\_\_ Type of membership ☐ [F] ☐ [I] ☐ [S] Date  
 paid: \_\_\_\_\_ Board approved date \_\_\_\_\_  
 Amount paid: \_\_\_\_\_ Renewal/member since \_\_\_\_\_