www.northeastcouncil.org

Next NEC Event:

4th Quarter NEC BOG Meeting
November 28, 2018 – 7:30 PM
Conference Call: (319) 527-2766, (Access code: 880396)

2018 - 19 CALENDAR

| Nov 28 | 4th Q NEC BOG Meeting (CC) |
| Dec 2 | 4th Q NEC General Meeting/Annual (CC) |
| Jan '19 13 | DAAS Annual Auction (link) |
| Feb 15-17 | CCA Big Fish Deal 7 (link) |
| Apr 12-14 | NEC 44th Annual Convention (link) |
| May 2-5 | AGA 2019 Convention (link) |
| May 19 | SJGG All Species Auction (link) |
| Jun 7-9 | TFCB 30th Anniversary Event (link) |
| Jul 18-21 | ACA-NECA 2019 Convention (link) |

(F2F)= Face to Face        (CC) – Conference Call

*General NEC meetings are held at NOON and BOG meetings are held at 7:30 PM (unless otherwise noted)

The NEC does not coordinate dates for club events, but does publish this monthly calendar for your convenience. Prior to selecting a date for your club’s next event, please check the NEC calendar for availability, and then notify me of the new date immediately at BRomeo1234@optonline.net or by phone @ 914-433-2556. The NEC advertises for NEC clubs and National/International Organizations in the NEC calendar.
Convention Update
See the speaker programs for the April 2019 NEC convention listed below:

SPEAKER PROGRAMS (Friday and Saturday with Slides and/or Video):

Karen Alofs, Ph.D (Michigan): Climate Change and North American Lake Fish Communities
Eric Bodrock (Pennsylvania): 40+ Years of Catfish Breeding
Ken Boorman (Australia / Canada): 1. Australian Rainbowfish
                                        2. Beyond Rainbows: Other Great Australian Fishes
Ryan Curtis (Illinois): Shrimp Keeping (Friday and Saturday talks)
Rosario Lacorte (New Jersey): A Photo Journey
                            Book signing following presentation. Purchase on Amazon.com
Hernán López-Fernández, Ph.D (Michigan / Venezuela): From Fossils to Genomes: Building the Tree of Life and the Cichlid Timeline of Evolution in a Modern Museum
Paul Loiselle, Ph.D (New Jersey): 1. Dwarf Cichlids - Cichlid Power in a Small Package
                                        2. ‘Ny Trondro Malagasy!’ (fishes and conservation in Madagascar)
Regina Spotti (Pennsylvania): Characins - Spawning & Keeping Challenging Species
Alof & López-Fernández (Michigan): Exploring and Conserving the Fishes of the Guiana Shield
Bodrock & Spotti (Pennsylvania): He Said, She Said! (Banquet Program)
                                 Eric & Regina have been together for over 15 years and share an intense interest in the hobby. But that doesn’t always mean there is a balanced harmony in their fish-filled house! Together they will reveal some the funniest and most interesting stories of their “fishy life” together under one roof!

SYMPOSIA AND PANELS (Friday Night through Saturday):
“Legends of the Spawn” Panel: speakers and well-known NEC breeders answer your fishroom questions
Open NEC General Lunchtime Meeting: roundtable discussion with NEC Officers on club issues
New England Fancy Guppy Association panel of top breeders
Northeast Fish Tub & Water Garden Study Group: symposia with panel, fish and plant list, and more!

PLUS: CICHLID SHOW, GUPPY SHOW, NANO TANK CONTEST, PHOTO CONTEST, VENDORS, MANUFACTURERS, SILENT AUCTION, LIVE AUCTIONS, PRIZES, FREE SAMPLES, GREAT
The purpose of The Shore Line Aquarium Society is to conduct an exclusively charitable association to promote a cultural appreciation by the public of the care, preservation, breeding and enjoyment of tropical fish – to advance the tropical fish hobby by collecting, disseminating, and exchanging educational knowledge and appreciation of tropical fish and related subjects and activities.

For more info go to https://www.facebook.com/groups/ctfish/

**NEC Slide and Videos**

All video and slide presentations are available to any NEC club to use as their monthly meeting program. Any other use should be discussed with the NEC slide and video chairman prior to the request. Please make requests as far in advance as possible to allow for scheduling and regular mail delivery.

The NEC will pay for standard postage to the requesting NEC club. Any NEC club requesting expedited delivery will need to pay for that postage.

The NEC club requesting the program is responsible for postage back. Failure to return the program will result in a $50 replacement charge. Please return programs within 14 days after the scheduled meeting.

Requests should be made to: David Banks, 315 US RT 2, Grand Isle, VT 05458, Email: dbanks@together.net or 802-372-8716

Last published library listing: January 15, 2018 NEC Newsletter and on the NEC website: http://northeastcouncil.org/basic-page/nec-lending-library
The NEC Conservation Committee was established to help conservation through fundraising and donations to well-established and working Conservation groups. The Committee hosts a silent auction at the Annual NEC Convention each spring to benefit a chosen organization and all proceeds from the silent auction go to that recipient. We are proud to support the 2019 recipient of our fundraising efforts.

IUCN Freshwater Fish Specialist Group
Home Aquarium Fish Sub-Group (HAFSG)

The IUCN Freshwater Fish Specialist Group was established in 2004 with the mission of conservation and sustainable use of freshwater fishes and their habitats worldwide.

The **Home Aquarium Fish Sub-Group** focuses on fishes in the aquarium trade and their habitats. For more information, visit [http://www.iucnffsg.org/about-ffsg/home-aquarium-fish-sub-group/](http://www.iucnffsg.org/about-ffsg/home-aquarium-fish-sub-group/).

The group’s goals include:

- “To identify, validate, and promote the conservation and wise management of wild populations of tropical fishes that are part of the home aquarium trade, as well as the ecosystems where they are found.

- To support sustainable, socioeconomic, and environmental benefits for home aquarium fishing communities, especially living in regions of biological importance.

- To develop and implement solutions that result in the most robust market for home aquarium fish that result in environmental protectionism, poverty alleviation, and climate stability.”

**Donate to the James J. White Memorial Conservation Fund**

To donate fish, books or equipment for the NEC Fund Silent Auction, please send an email to our donation chair at: mailto:necconventionchair@gmail.com?subject=James J. White Memorial Conservation Fund donation

You can also make a monetary donation to our James J. White Memorial Conservation Fund from the convention registration cart when registration opens in January.

For more information, please visit our Conservation page at [https://northeastcouncil.org/basic-page/james-j-white-memorial-conservation-fund](https://northeastcouncil.org/basic-page/james-j-white-memorial-conservation-fund)
YOU HAVE TO BE IN IT TO WIN IT!

Articles submitted for consideration should be labeled as to their specific category as follows: **Breeder Article, Open Class, Humor Article, Junior (Age 17 and under) and Continuing Column.** Articles not properly labeled will be categorized at the discretion of the Article Competition chairman. Please include your club name in the subject line of the email submission.

For more information concerning the categories and the rules go to the NEC website: [https://northeastcouncil.org/basic-page/article-competition](https://northeastcouncil.org/basic-page/article-competition)

Please send all submissions to:

Dave Hardenbrook  
NEC Articles Chairman  
E-mail: david.hardenbrook@cox.net

By Tuesday **January 15, 2019**
The Annual meeting is scheduled for **December 2, 2018** which is also the General NEC 4th Quarter Meeting. Elections will be held at this meeting for all NEC officers and members at large.

In addition to the Nominating Committee’s slate listed below, nominations will be taken from the floor. Each position is a 2-year term and descriptions can be found within the NEC Constitution. Nominees must be present, as stated in the Constitution. The NEC Constitution can be found on the NEC website: [http://northeastcouncil.org/basic-page/nec-constitution](http://northeastcouncil.org/basic-page/nec-constitution).

The Nominating Committee presents the following slate as of September 30, 2018:

**President**: Tom Koba (NECA), Russ McAndrews (BAS)
**Vice President**: Nancy Villars (NECA)
**Treasurer**: David Lass (BAS)
**Recording Secretary**: Cheri Tenagala (SJGG)
**Corresponding Secretary**: Barbara Romeo (DAAS)

**Members At Large**: 6 positions up for election
**Candidates**: Ted Coletti (NJAS), Peter George (NECA), Bryan Nelson (BAS), Karen Pattist (KOI), Wayne Sinckler (BASNY) and Ann Whitman (TFCB).

Member clubs in good standing have one vote at the December 2nd meeting. The member club delegate, alternative delegate, member club president, or designee assigned by the member club president (as long as the NEC President is notified prior) may vote.

Please contact us if you would like additional information, would like to run for a NEC position, and/or have a recommendation regarding someone else running for a NEC position.

The NEC Nominating Committee Members are: Chairman Russ McAndrews (339) 235-2545 marksdonnam@hotmail.com, Janine Banks [janinebanks@comcast.net](mailto:janinebanks@comcast.net), Nancy Villars sccichlids@aol.com, Bryan Nelson [bryan_b_nelson@yahoo.com](mailto:bryan_b_nelson@yahoo.com) and E. Michael Silakowski spudmuffin01266@yahoo.com.

Respectfully Submitted,
Russ McAndrews
Nominating Committee Chair
Past recipients:
1979    Betty Mueller
1980    Martin Bernard
1981    Penny Faul
1982    Ray Horn
1983    Lee Finley
1984    Ann & Walter Howe
1985    Kathy Beebe
1986    Jack Adinolfi
1987    Sandy Billings
1988    Al Faul
1989    Dave Quinn
1990    John Galvin
1991    John Stankevitch
1992    Bill Kenney
1993    Aline Brousseau
1994    Faith Quinn
1995    Tony Terciera
1996    Don Johnson
1997    Sue & Wally Bush
1998    Diane Adinolfi
1999    Chuck Davis
2000    Aline Finley
2001    Janine & David Banks
2002    Wayne Leibel
2003    Karen Randall
2004    Mark & Anne Broadmeyer
2004    Honoree, Ray Lucas
2005    James White
2006    Rit Forcier
2007    Christine & Frank Policastro
2008    Joe Masi
2009    Linda & David Giza
2010    Barbara Day
2011    Bill Cole
2012    Claudia Dickinson
2013    Leslie Dick
2014    Richard Pierce
2015    Rosario La Corte
2016    Nancy Villars/Hallgring
2017    Barbara Romeo
2018    Fran Masi

Call for Nominations
Betty Mueller Memorial Honor Lifetime Achievement Award
Deadline:
January 30, 2019

This special recognition is given to individuals who, over the years, have given overwhelming dedication and support to the aquarium hobby and to the Northeast Council of Aquarium Societies, Inc.

The rules are as follows:
Any NEC member club or NEC member can nominate up to three persons a year. Each nomination should be accompanied with a short paragraph explaining why you feel this person is qualified. You cannot nominate anyone who already has received this honor. A committee of persons who have received the honor and are still active in the NEC will make the decision. The honor will be presented at the annual NEC Convention banquet.

Please send nominations to Janine Banks
janinebanks@comcast.net
20 NEW Scholarships Available NOW!
- 10 Sponsored by K.O.I.
- 10 Sponsored by WWKC
First Come, First Served – Ends Nov 30.

K.O.I. Needs a Treasurer!
- Please Volunteer!
- ONLY Responsible for Year-End Report
- Some experience preferred
- Contact Karen - pattist@snet.net

K.O.I. Funds NEW KHV research!
Details coming soon!

INDEX

Guide Supplement #6 Shipping SOON!
Perk for all those that renew their membership this year! Includes:
- Detailed, Cross-Referenced INDEX to original Guide pages and ALL Supplements
- Dilution, Water Change and Flow Formulae
- Koi Physiology
- Fun Fish pictures!
- And more!

FREE – Kichi Koi Buffet Feeder Drawing
Random drawing from 70 renewals,
Winner was Sharon Thomson from NY!

Steve Zimmerman!
Will be temporarily teaching #202 - Construction
Rules & Disclaimer: If you would like to advertise a Swap Shop listing please forward information to Barbara Romeo at bromeo1234@optonline.net by the tenth of each month. Be sure to include all pertinent information in your announcement. NEC reserves the right to deny a listing for any reason. Users of the Swap Shop should understand that they do so AT THEIR OWN RISK. Both parties understand and agree to complete the transaction independently of the NEC. The NEC is in no way responsible for any portion of these transactions and cannot be held in any way liable for any loss incurred by either party in the transaction. Furthermore, participation in the Swap Shop serves as acceptance of these rules.

For Sale

Three Marineland 6 Foot Systems & 2 Bagging Stations for $2,000 Total

Please Contact Jim Costello @ mailto:jamesrcostellojr@yahoo.com

More pictures on next page
For more info: Contact Jim Costello @ mailto:jamesrcostellojr@yahoo.com
KVH Testing Explained

Thank you to K.O.I. who sent us this KHV testing white paper from Ling Jin; a leading K.O.I. KHV researcher. It explains what each test accomplishes, and how to detect infection. K.O.I. has also consented to this being published within your club newsletters. Please remember to give attribution to K.O.I. and Ling Jin.

KVH Testing

Dr. Ling Jin, Ph.D.
Carlson College of Veterinary Medicine
Oregon State University, Corvallis, Oregon

This mini-review on KHV latent infection is written for the koi hobbyist and koi breeders to better understanding of latent KHV infection diagnosis. Different diagnostic methods are described for screening KHV latent and active infections.

Introduction

Cyprinid herpesvirus 3 (CyHV-3), commonly known as koi herpesvirus (KHV), is a highly contagious pathogen of Cyprinus carpio, including common carp and koi (Gilad et al., 2002; Grimmert et al., 2006; Hedrick et al., 1990; Sunarto et al., 2011). KHV belongs to Cyprinivirus genus from the Alloherpesviridae family in the order of Herpesvirales (Aoki et al., 2007; Waltzek et al., 2005). KHV infection is characterized by white mottling of gills, gill hemorrhage, sunken eyes, and pale patches along with blisters on skin in koi (Gilad et al., 2002; Miyazaki et al., 2008; Pikarsky et al., 2004). Fry are more susceptible to KHV and may have 70-100% mortality upon exposure (Bondad-Reantaso et al., 2007; Gilad et al., 2002).

Similar to other members of Herpesviridae within the order of Herpesvirales, KHV can also establish life-long latency in symptomatic or asymptomatic recovered koi (Eide et al., 2011a; Eide et al., 2011b; Xu et al., 2013). During latency, the KHV genome is the only component of the virion (Fig. 1) hidden in the latently infected cells, i.e., there is no capsid or envelope present in the cells. KHV latency can often be reactivated under stress conditions, such as heat stress, poor water quality, shipping or injury. Infectious virions can be produced from KHV reactivation, which can cause disease and transmit to naïve fish (Eide et al., 2011c; St-Hilaire et al., 2005). Outbreaks of KHV often occur in the spring and summer months when water temperatures rise suddenly or during transportation (Marcos-Lopez et al., 2010; Omori and Adams, 2011). Latent infections can sometimes also be experimentally reactivated by raising tank water temperature by 1°C per day from 14°C to 23°C (Eide et al., 2011c). In general, koi with KHV latency can live healthy lives and may experience KHV reactivation without showing clinical signs. However, KHV carrier (latently infected) koi could die from KHV reactivation under certain stress conditions.

Figure 1. Structure of KHV virion. A: Schematic of KHV virion, which consists of viral genome encapsidated by capsid and viral envelope (similar to cellular membrane). B: Herpesvirus virion taken by Transmission Electron Microscope, which shows the capsid and envelope. The viral genome is inside of the capsid.
Active and latent KHV infection:

Active KHV infections occur when KHV virions are produced and cause damage to tissues (Fig. 2). Acute infections normally last 1-2 weeks. Following the acute infection, koi either survive or die. The survival rate of adult koi is higher than that of fry, which may have over 70% mortality. Some infected adult koi may show no signs of KHV infection. However, all exposed koi will become latently infected by KHV, no matter whether clinical signs are observed or not. The latently infected koi can live the same normal life as an un-infected koi and produce no KHV virions (Fig. 1). Koi with KHV latency are difficult to differentiate from KHV-free koi. During KHV latency, only the viral genome is maintained in the latently infected lymphocytes, which can be sampled from blood (Fig. 2). Upon exposure to KHV, koi also produce antibodies specific to KHV. The antibodies are normally detectable within 2-3 weeks to 12 months following initial infection (Adkison, et al., 2005).

![Diagram of KHV Infection Cycle](image)

1. KHV genome resides in the B cell nucleus during latent infection.
2. Stressors, such as heat, injury and poor water quality, trigger KHV reactivation.
3. KHV virions (including viral genomes) are made during KHV reactivation and spread to permissive tissues, such as gills and brain, and cause tissue damages.
4. KHV infection is controlled by the host immune system; KHV resumes latency and hides in the B cells again.

Detection of Active KHV infection:

**PCR test**: Detection of KHV during active infection can be done by detecting the viral genome in the infected tissues. Many tissues, such as gills, spleen, kidney and brain, are susceptible to KHV during acute infection, and can be used for KHV genome detection. During acute infection, viruses are shed in the skin and fecal materials, which can also be used for KHV diagnosis.

**Virus isolation**: Virus isolation is a traditional method used for detection of infectious virion in the infected fish. The best sample for virus isolation is the tissues showing lesions. This method takes several days to perform and is not commonly requested by clients or clinician.
Detection of Latent KHV Infection:

1) **PCR:** During KHV latent infection, only the viral genome is present in some of the lymphocytes. To determine if a koi is a KHV carrier, white blood cells from the peripheral blood can be sampled and tested by PCR using KHV specific primers. Testing WBC for KHV latency is available at Oregon Veterinary Diagnostic Lab (OVDL) via special request.

2) **ELISA:** KHV latent infection can also be determined by detection of KHV specific antibodies using ELISA. If the koi has anti-KHV antibodies in the blood, it will strongly suggest the koi has been exposed to KHV and the koi is a carrier. The ELISA test for KHV is available at UC Davis.

3) **Serum Neutralization (SN assay):** Similar to ELISA, antibodies produced post-KHV infection can be tested against KHV in the tissue culture. If protection against KHV infection in KF-1 cells is found, it suggests anti-KHV antibodies are present in the blood and the koi is a carrier. The SN for KHV can be requested at UGA and OVDL.

**Note:** KHV latent infections cannot be detected by PCR testing of gill snips, vent swabs or fecal examination unless the latent viral DNA has been reactivated and produces infective virions. Detection of the KHV genome in the gill snips, gill swabs or vent swabs suggests an active infection of KHV.

References:


Botanist and master guppy breeder Michael Marcotrigiano will share tips on how to build a "paludarium," a tank that combines plants and fish to make stunning naturalistic decorations. Unlike terrariums, which are intended for terrestrial life, paludariums combine the aquatic environment of an aquarium with the land of a terrarium to form a unique ecosystem where aquarium fish and terrestrial plants thrive together in a naturalistic setting. Traditionally, paludariums are made of stone and growing medium. This creates problems with weight, soil infiltration into the aquarium, and a lack of flexibility in design.

"I have created a fully styrofoam land base with custom carved rock "pots", tree trunks, and a coco fiber wall. Unlike most paludariums, which have inadequate filtration, my styrofoam system allows the hiding of filtration systems so that in the end you are left with an unobstructed panorama of a tropical forest including a waterfall. In this talk I will go through the steps in building a paludarium from scratch. Along the way suitable plants and fish will be mentioned and I will cap off the talk with things I think I'd do differently if I did it again."

As always, there will be raffles and a mini auction of fish, plants, and equipment. Doors open at 7:30 p.m. Meeting begins at 8:00 p.m.

LIAS Meetings are held at SUNY Stony Brook's Maritime Science area. Room 120 in Endeavor Hall on the State University at Stony Brook Campus, Stony Brook, NY 11790
Evolution of a Fish Room: The Adventures of a Lazy Fishkeeper
Presented By Christine Keys

Christine Keys is a microbiologist that has been involved in fish keeping most of her life. Even as a child, her parents kept a fish tank in her bedroom. She’s always kept a few fish tanks on her own since high school and would regularly haul them back and forth between home and the dorm during college. After moving to Maryland, she started keeping fish again and quickly expanded from one to 35 tanks. During this time she joined several clubs in the DC metro area and has served in several board positions with the Capital Cichlid Association. She and her husband recently moved to a new house where she got a dedicated fish room that has over 70 tanks. Although she has a soft spot for keeping cichlids, all freshwater fish are welcome in her fish room.
If you would like to advertise your monthly meetings or special events, please forward the information to Barbara Romeo @ mailto:bromeo1234@optonline.net by the tenth of each month. Be sure to include all pertinent information (location, time, contact person or website for additional information) in your announcement.
Danbury Area Aquarium Society (DAAS) Meeting
Friday - 11/23/2018
7:30 PM

Presents "Fishy Bingo"

At Laura Sprain Memorial Cornerstone Park
1 Fair Street,
Carmel, NY 10512

PLEASE PARK IN THE REAR OF THE BUILDING & WALK AROUND TO THE FRONT ENTRANCE

All Are Welcomed!
DANBURY AREA AQUARIUM SOCIETY

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

34th Annual Auction – Winter 2019!

Sunday, January 13, 2019

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

KNIGHTS OF COLUMBUS HALL #6318
10 Fair Street
Carmel, NY 10512

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

*Acceptable lots will be determined by the auction committee

Food & Refreshments Will Be Available

AUCTION HOURS:

REGISTRATION..............8:30 AM – 11:15 AM
VIEWING OF GOODS......10:00 AM – 11:15 AM
AUCTION.....................11:30 AM – 5:00 PM
RAFFLE..........................50/50

DAAS INVITES YOU TO ATTEND!
February 15-17, 2019
New Location: Hyatt Regency,
Bethesda, MD
http://thebigfishdeal.com
NorthEast Council of Aquarium Societies
INVITES YOU TO COME...
dancing with the fishroom stars
44th ANNUAL CONVENTION * APRIL 12-14, 2019 * CROMWELL, CT
more than a dozen programs & workshops!
SPECIES PROFILES ★ FISHROOM TIPS ★ EXPEDITIONS ★ SCIENTIFIC DISCOVERIES
star-studded shows!
enter to win!
special NEC events & features!
★ FRIDAY “LEGENDS OF THE SPAWN” PANEL
★ GUPPY SYMPOSIUM
★ TUB POND SYMPOSIUM
★ MANUFACTURER BOOTHS
★ RAFFLES & PRIZES
★ HOSPITALITY SUITE
★ CHEF-PREPARED MEALS
★ INDOOR POOL AND OTHER AMENITIES
www.northeastcouncil.org
buy-sell-browse all weekend!
Fish! Plants! Inverts! Hardscapes! Dry goods!
★ GIANT VENDOR HALL
★ MEGA SUNDAY AUCTION
★ CONSERVATION SILENT AUCTION
★ NEC CLUB SALES “SWAP MEET”
★ FANCY GUPPY AUCTION
★ POND PLANT AUCTION
★ KILLIFISH AUCTION
For over 40 years...
One of the premier events in the aquarium hobby!
Who is your guppy’s daddy?
(you should know...mom too)

Show off your guppies at the convention this year!
We have a class that your beautiful guppies can be entered.
But the rules state that:
All entries must be born and raised in the exhibitor’s tanks.

So it’s time to pick your breeders!

New England Fancy Guppy Association
will be hosting a guppy show at
the 44th annual NEC Convention
April 12-14, 2019

Classes for the Guppy Show at the NEC Convention
1. Solid Color Deltas (Blue, Green, Purple)
2. Solid Color Deltas (Red, Yellow, Black, Pastel)
3. Half Black Deltas
4. Albino Deltas
5. Any Other Color Deltas (Bi-color, Multis, Snakeskin, Bronze, etc...)
6. Swordtails & Veil tail
7. Females - Open
8. Novice - Open Female
9. Novice - Open IFGA Male (Delta tails, Swordtails, Veil tails)
10. Novice - Any Other Shape - Male (Widetail, Roundtail, etc...)

Rules are available here:
https://docs.google.com/document/d/1P5nm0u_csEBUrbGhmvTpHdTckgfVj6ncolFc0WN7BMc/edit?usp=sharing
2018-19 Club Meetings

Please note that all NEC clubs are listed on the NEC website’s homepage, and have a link to each of the local club’s websites if you need additional information for any of the club meeting.

November 2018

**Nov 16**
Long Island Aquarium Society (LAAS)
Michael Marcotrigiano
“How to Build a Paludarium”
More info: [http://www.liasonline.org](http://www.liasonline.org)

**Nov 17**
North Jersey Aquarium Society (NJAS)
Lawrence Dressler & Leslie Dick
“Spirulina: The Green Wonder Food” & “Who CARES?”
More info: [http://www.njas.net](http://www.njas.net)

**Nov 17**
Aquarium Club of Lancaster County (ACLC)
Christine Keys
“Evolution of a Fish Room: The Adventures of a Lazy Fishkeeper”
More info: [https://www.facebook.com/events/737829943239807/](https://www.facebook.com/events/737829943239807/)

**Nov 17**
Pioneer Valley Water Garden & Koi Club (PVWG&KC)
Holiday Banquet

**Nov 19**
Boston Aquarium Society (BAS)
Jackie Anderson
“What’s New At the Aquarium”
Nov 21
Central New York Aquarium Society (CNYAS)
Herschel Beeman
“Breeding Cory Cats”
More info: [https://cnyas.org](https://cnyas.org)

Nov 23
Danbury Area Aquarium Society (DAAS)
“Fishy Bingo”
More info: [https://northeastcouncil.org/daas-home-page](https://northeastcouncil.org/daas-home-page)

December 2018

Dec 2
North Jersey Aquarium Society (NJAS)
Holiday Party
Don Pepe’s Restaurant, Newark, NJ
More info: [http://www.njas.net](http://www.njas.net)

Dec 5
Greater City Aquarium Society (GCAS)
Holiday Party
More info: [http://www.greatercity.org](http://www.greatercity.org)

Dec 7
Long Island Aquarium Society (LIAS)
Holiday Party- 7 PM
Club members (dues must be current) &
1 guest due to space limitations
Texas Road House Restaurant
Deer Park, NY
Dec 8
Capital Cichlid Association (CCA)
Holiday Party
More info: https://www.capitalcichlids.org/forums/

Dec 10
Diamond State Aquarium Society (DSAS)
Holiday Party
More info: http://dsas.online

Dec 12
New Hampshire Aquarium Society (NHAS)
Holiday Pot Luck
More info: http://www.nhaquariumsociety.com

Dec 13
Tropical Fish Club of Burlington (TFCB)
Holiday Meeting/ Party

Dec 14
Brooklyn Aquarium Society (BASNY)
Holiday Party
More info: http://www.basny.org

Dec 18
Tropical Fish Society of Rhode Island (TFSRI)
Holiday Party / Yankee Swap
More info: http://tfsri.net/tfsri-wp/upcoming-events-2/
NEC MEMBER CLUBS:
Aquarium Club of Lancaster County ACLC
Boston Aquarium Society BAS
Brooklyn Aquarium Society BASNY
Bucks County Aquarium Society BCAS
Capital Cichlid Association CCA
Central New York Aquarium Society CNYAS
Cichlid Club of York CCY
Connecticut Aquatic Plant Enthusiasts CAPE
Connecticut Betta Club CBC
Danbury Area Aquarium Society DAAS
Diamond State Aquarium Society DSAS
Greater City Aquarium Society GCAS
Jersey Shore Aquarium Society JSAS
Koi Organisation International K.O.I.
Long Island Aquarium Society LIAS
Long Island Killifish Association LIKA
Metropolitan Area Killifish Assoc. MAKA
Nassau County Aquarium Society NCAS
New England Cichlid Association NECA
New England Fancy Guppy Assoc. NEFGA
New Hampshire Aquarium Society NHAS
Northeast Livebearers Association NELA
North Jersey Aquarium Society NJAS
Norwalk Aquarium Society NAS
Otter Valley Aquarium Society OVAS
Pioneer Valley Aquarium Society PVAS
Pioneer Valley Water Garden & Koi PVWG&K
Shore Line Aquarium Society SLAS
South Jersey Guppy Group SJGG
Southern New England Killifish Assoc. SNEKA
Tropical Fish Club of Burlington TFCB
Tropical Fish Society of Rhode Island TFSRI
Upstate NY Killifish Association UNYKA
Worcester Aquarium Society WAS

Corresponding Secretary: Barbara Romeo (DAAS) Bromeo1234@optonline.net

Members At Large 2017-2019
Peter George (NECA)
Carol Patanovich (BCAS)
Karen Pattist (K.O.I.)
Nancy Villars (NECA)
Wayne Sinckler (BASNY)
Ann Whitman (TFCB)

Standing Committees:
Corporate Agent .......... Dan McKercher
Competitive Events (NEC Sponsored) ................. Mike Liu
Constitution and By-Laws .......... Rich Pierce
Judging & Standards ........... Anne Broadmeyer
Legislation ................. Sam Rutka
Planning (Council Mtg. Prog.) Open
Programs (Slides & Videos) .. Dave Banks
Public Relations (Society Relations) ................. Open
Organization (Assist / New Groups) ............... Open
Raffles (Fund Raising) ...... Open
Shows ......................... Open
Workshop .................... Leslie Dick

Non-Standing Committees:
Advertising ............... Ted Coletti
Articles Competition ....... David Hardenbrook
Auction ....................... Open
Betty Mueller ............... Janine Banks
Breeder Participation Program.Richard Pierce
JJW Memorial Conservation..Ann Whitman
Donations ................. Barbara Romeo
Exhibitor Competition..... Rich Pierce
Historian ................. Dave Banks
Newsletter ................. Barbara Romeo
Nominating .............. Russ McAndrews
Photo Contest ............ Richard Pierce
Speakers .................. Open
Sunshine ................... Cheri Tenaglia
Webmaster .................. Justin Tucker

NEC Board of Governors 2017-2019
President: Rich Pierce (SNEKA) president@northeastcouncil.org
Vice President: Russ McAndrews (BAS) marksdonnam@hotmail.com
Treasurer: Tom Koba (NECA) kobatom60@hotmail.com
Recording Secretary: Cheri Tenaglia (SJGG) southjerseyguppygroup@gmail.com
NEC Member Clubs
(click on individual logos to go to the respective website or contact info)