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## January, 2020

### By The Pond

A extra special **“Thank You” to Melanie Onushko** for her contributions as AKC Vice President for 2019. In addition to her contributions has Membership Chair, Melanie volunteered her time to get the AKC through an unforeseen challenge with the VP duties. Thank you, Melanie, for your extra efforts and for setting an excellent standard for all the AKC members.

Another very special **“Thank You” to Ron and Robin Scott** for their many, many years of steering us through all of our financial challenges as our treasurers. Welcome to our new treasurer, Angie Jones.

Remember your AKC will continue to thrive by your continued support and volunteer efforts! We still need speakers and meeting locations for 2020. If you're interested in speaking or opening your home/business to the AKC, please let me know.

The AKC needs you!

Happy “Hanu-kwanza-mas” and Happy New Year! Sincerely, Kevin

12	JAN, SUN	● 2 – 3pm	AKC Meeting - 2:00 PM, The Koi Store - Japan Visit and Koi Discussion The Koi Store
9	FEB, SUN	● 2 – 3pm	AKC Meeting - 2:00 PM Location David Puhs Pool Center - Speaker Undetermined, Special Note: Tentative Lotus
8	MAR, SUN	● 2 – 3pm	AKC Meeting - 2:00 PM Location & Speaker Undetermined, Special Note: Tentative Lotus Tubular Exchange
18	APR, SAT	● All day	***AKC AUCTION*** - Location Tentative Coastal Pond
3	MAY, SUN	● 2 – 3pm	AKC Meeting - 2:00 PM Location and Speaker Undetermined
13	JUN, SAT	● 6 – 7pm	AKC Meeting - 6:00 PM Location - Chad Bishop's Residence - Speaker Undetermined
11	JUL, SAT	● 6 – 7pm	***AKC SUMMER SOCIAL*** - 6:00 PM Location - Diane Giangrande's Residence - Speaker Undetermined
8	AUG, SAT	● 6 – 7pm	AKC Meeting - 6:00 PM Location & Speaker Undetermined
13	SEP, SUN	● 2 – 3pm	AKC Meeting - 2:00 PM Location & Speaker Undetermined
3	OCT, SAT	● All day	***AKC KOI & GOLDFISH SHOW*** Gwinnett Fairgrounds
4	OCT, SUN	● All day	***AKC KOI & GOLDFISH SHOW*** Gwinnett Fairgrounds
18	OCT, SUN	● 2 – 3pm	AKC Meeting - 2:00PM Location & Speaker Undetermined
8	NOV, SUN	● 6 – 7pm	***AKC WINTER SOCIAL*** - 6:00 PM - Location: Diane & Brad Mohs' Residence - Speaker Undetermined



**Wahoooo! Fellow AKC fish and pond fanatics, set your calendar for the FIRST meeting of 2020!:**

**When:** [January 12th at 2:00 pm](#)

**Where:** **The Koi Store, Address:** [3831 Flat Rock Road, Watkinsville, GA](#)

**Topic: Upcoming Trip to Niigata Japan by Carl Vaughan (The Koi Store) & Chad Bishop (AKC President) - they will be discussing the following:**

*Selecting Koi - A perspective from the Dealer and Hobbyist*

*Upcoming visit to the All Japan Koi Show*

*Types of Koi Fish*

This will be a highly informative discussion from experienced Koi experts. This 2020 AKC visit to The Koi Store will also be an excellent chance for you to save early on pond products and high-quality Koi. Please show your appreciation and bring not only your ear-to-ear smiles but remember to bring your credit cards...plug nickels are not recommended. The Koi Store currently has an excellent selection high-quality koi in stock and they are offering AKC members discounted pricing on this visit! If needed, they will also hold your Koi for pickup in April.

If you want a peek at some of their offerings, The Koi Store website is listed below:

<https://www.thekoistore.com/>

**JANUARY 12th: BEFORE the 2:00pm meeting at The Koi Store, a special visit to the home and gorgeous pond of Paul and Suzanne Benford has been made possible. The distance between the two locations is only 3.1 miles and if your schedule allows, this is a must see property! (Address was sent via email)**

**Paul & Suzanne have graciously opened their property to AKC members from 1:15pm - 1:45pm on 12 January (this touring time-frame will be for approximately 30 minutes prior to the actual 2:00pm meeting at The Koi Store.**

If anyone is interested in hosting a meeting or being a speaker at an event, please reach out to me personally at: [kmpmcdonough@bellsouth.net](mailto:kmpmcdonough@bellsouth.net)

Remember, the AKC will reimburse you \$200.00 if you host an event!

It's no mystery; our club has many extremely knowledgeable koi experts. It's only fitting that we get as many of you to volunteer your worldly brains and koi experiences so that us mere mortals can improve our own koi knowledge!

Please consider opening up your home, business and teachings so that the AKC can continue to flourish!

## Dues Are Due!!!

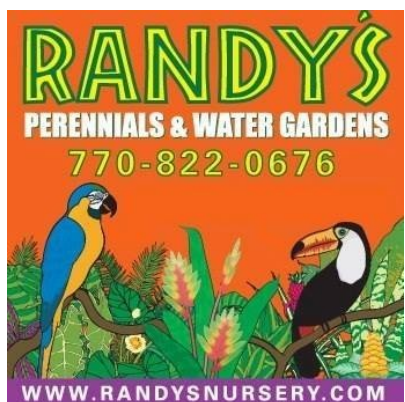
Fellow Atlanta Koi Club members, it is time to renew your membership for 2020. If you are receiving this email, you **DO** owe for this year. Please go on the club website <https://atlantakoiclub.org/shop/memberships> and pay. This is also a great time to order a name badge, or the Koi Magazine. If you do not plan on renewing, please send me a quick email so I don't continue to remind you. All dues are **due by January 31, 2020** in order for you to enter fish in the club Auction in April. Only current members may auction fish. Thank you for your prompt attention to this. Melanie, Membership Chairperson

**Please remember our Sponsors:**  
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## What is Dropsy?

Posted on FB by cafishvet.com

A very common word in the fish hobby is the term “dropsy.” What does this term mean?

Well, to start off, “dropsy” is **NOT a disease**. “Dropsy” describes a condition where a fish’s body balloons outward and their scales start to stick out, looking like a pinecone. This syndrome is caused by excess water in the body cavity or coelom. Excess water collects in the skin between the scales and around the internal organs causing the traditional “dropsy” appearance.

This presentation is merely a sign of poor kidney function. Freshwater fish live in an environment that is less dense than their bodies. Through passive diffusion, water is constantly trying to even out the fish’s density by pulling water into the body tissues, mainly the skin and gills. A freshwater fish’s kidney works very hard to remove excess water and pass it back out into the environment with other waste. If the kidneys are not functioning correctly, water is not removed effectively and the fish starts taking on water.

Many different disease processes can cause this syndrome, including stress from poor water quality, inadequate diet, tank mate aggression, tumors, parasites, viruses and bacteria. “Dropsy,” or more clinically edema, is simply a sign that there is something wrong affecting the kidneys and not a specific disease process.

When your fish takes on this appearance, **don’t assume it will be corrected by dumping in antibiotics**. Not only is this harmful to your fish, but it gives owners unnecessary exposure to the drugs as well. Not to mention that all OTC fish meds are not controlled or evaluated in ANY way. Start by checking your water parameters, evaluating your fish’s diet and making sure no one is picking on them. If you do not find a clear cause, contact **your local fish veterinarian**.

## For Sale by Members

Ceramic bakki shower media for sale. This was originally purchased from James Lu as part of the purchase opportunity offered to the club for \$136 a box. I have approximately 2 1/2 boxes of the H-1 and 1 box of the H-4. It is previously used - \$200. Contact Diane Giangrande if interested - [dianewg@aol.com](mailto:dianewg@aol.com)





## Our November Social at Coastal Pond

Held on November 9th, 2019.

Needless to say, a gastronomically wonderful time was had by all!



## **Did you know?**

By: Michael Anderson

Several members have asked about topics to be addressed by the club during 2020.

Information on koi care and diseases (pictures needed)

Dimensioning of UV lights

Koi Pond Building

Bio Material

Filtration and maintenance

Raising baby koi and goldfish

For some of these topics we can give the members a head start by pointing out where information on the topics can be obtained.

## **Koi Care and Diseases**

There are several excellent books available on koi care, diseases, and treatment protocols. These books typically provide photos and/or drawings of parasites and injuries. Many of these books should be available through Amazon, AKCA/KoiUSA book store, or other book sellers:

Nicholas Saint-Erne DVM, Advanced Koi Care, Published by Erne Enterprises

Maarten Lammens DVM, The Koi Doctor, ISBN: 9080856630

Lance Jepson DVM, Koi Medicine, ISBN: 1852791772

Duncan Griffiths, Step by Step Advanced Koi Diagnosis & Treatments, [www.koi-unleashed.co.uk](http://www.koi-unleashed.co.uk)

Erik Johnson DVM, Koi Health and Disease (Release 2)

## UV Dimensioning Michael Anderson

For UV dimensioning we can use the information provided by one of the major UV vendors, AquaUltraviolet, on their public website. Similar information may be available from other UV vendors. In their Sizing Chart there are four columns. The first column is the model of UV unit which includes the wattage. The second column is the range of pond gallonage where the unit will be an effective sterilizer. A sterilizer should not only kill algae but also a number of different pathogens (bacteria and viruses) that pass through the unit. The third column is the maximum flow rate for which the unit can be an effective sterilizer. The fourth column shows the maximum pond gallonage and flow rate for the UV unit to be an effective clarifier which kills algae, not bacteria or viruses. Always plan the number and placement of UV units to make sure all the pond water circulates through a UV unit at least once every 3 hours with more frequency being all the better.

## Bio Material plus Filtration and Maintenance

The presentation topic for the January 2019 club meeting was Filtration Basics. The presentation materials can be found on the AKC's Facebook page. At the top left of the page, select the "Files" section. You will then see a list of documents that have been uploaded. Anyone can download and read through the presentation materials. The essence of the presentation is that there are 3 main functions of a koi pond water treatment (pond filtration) system. The first step is mechanical cleaning of the water to capture and remove undissolved organic materials before the decompose. The second step is nitrification where media provide lots of surface area to house bacteria that convert ammonia to nitrite to nitrate. Nitrification media can be anything from plastic bits, to sheets of matting to ceramic media. It is very hard to beat ceramic media in a shower for nitrification. The exact maintenance details for cleaning the filtration devices will vary by the type of device such as a sieve, a bead filter, or tank of matting sheets. Typically the filter chamber should be dumped and rinsed once a week when doing a water change of at least 10%.

## Fresh Water UV Sizing Chart

Classic UV Units	Size Fresh Water Sterilizer* in Gallons	30,000 $\mu\text{w}/\text{cm}^2$ (EOL) GPH	Fresh Water Pond Clarifier***	
			Gallons	Max Flow GPH
Classic 8 Watt	5 - 200	642	1,500	1,000
Classic 15 Watt	200 - 500	700	2,000	1,800
Classic 25 Watt	500 - 1,200	1,200	4,000	2,000
Classic 40 Watt	1,200 - 2,000	2,900	6,000	3,000
Classic 57 Watt	1,500 - 3,000	3,200	6,500	3,250
Classic 80 Watt	2,200 - 4,400	3,678	9,000	4,500
Classic 114 Watt	2,200 - 4,400	3,900	9,500	4,500
Classic 120 Watt	4,400 - 6,000	4,080	12,000	6,500
Classic 160 Watt	6,000 - 8,500	5,400	16,000	9,000
Classic 200 Watt	8,500 - 13,000	6,600	20,000	10,000
Classic 240 Watt	13,000 - 17,000	7,200	25,000	12,000
<b>Advantage Series Units</b>				
Advantage 2000 8 Watt	5 - 200	642	1,500	1,000
Advantage 2000+ 15 Watt	200 - 500	700	2,000	1,800
<b>SL Series Units</b>				
SL 100 Watt	8,500 - 13,000	6,600	20,000	10,000
SL 200 Watt	17,000 - 22,000	9,200	30,000	15,000
<b>Statuary UV Sterilizers</b>				
Aqua Frog/Fish 8 Watt	5 - 200	642	1,500	1,000
Aqua Frog/Fish 15 Watt	200 - 500	700	2,000	1,100
Aqua Frog/Fish 25 Watt	500 - 1,200	1,200	3,200	1,600
<b>Twist Unit</b>				
Twist 25 Watt	500 - 1,200	1,200	4,000	2,000
Twist 40 Watt	1,200 - 2,000	2,900	6,000	3,000
Twist 57 Watt	1,500 - 3,000	3,200	6,500	3,250
<b>Viper Series Units</b>				
Viper SL 400 Watt	14,400 - 30,000	17,500	50,000	95 GPM
Viper SL 800 Watt	28,800 - 60,000	35,000	100,000	95 GPM
Viper SL 1200 Watt	43,200 - 90,000	52,500	150,000	95 GPM



## An example of how Beni Kumonryu can change quickly

Submitted by Melanie.

*A MaGiNG NIsHikiGoi*

*2019 Spring*



*2019 Autumn*





## Tending to Our Feathered “Friends”

I had a blue heron show up at my pond with a broken wing. After a few phone calls, Cobb Animal Control showed up and took him in for treatment. I have mixed feelings about those birds but its good to get them taken care of when needed .... Alan Puch

