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AKCA Director	Gary Elmore
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Editor	Bob Chaffer
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September, 2018

By the Pond

by Diane Giangrande

Hi All,

If you missed the August meeting, you missed a good one. Dale and Patti Gingerich came in and we visited 3 ponds so that Dale could critique the fish and answer any questions. It was fun and informative.

The show is very quickly approaching – we are less than 4 weeks out. Ken sent the Sign Up Genius and there are lots of open spaces 😊 We need tons of help. Everyone can sign up. Please do not feel that you don't know enough to help – there is no such thing! Don't forget the Goromo raffle for volunteers – the more you sign up, the more chances you have to win. Also, in order to get your free show t shirt you need to volunteer. Every little bit helps! Many hands make light work!!

We are very close to cut off for show tanks and banquet tickets so be sure your reservations are in. An important thing to mention is that if you want to show fish, but don't think you have "show quality" fish it is still a good way to learn and get information on your fish. The judges do a Judges Walk on Sunday and will answer any questions you have.

Just a reminder about the amazing items we will have at the raffle and auction at the banquet. One item in particular is a not to miss – the quilt that Brendan and Ken made. It is exquisite. If you can't attend the banquet, but still want a chance to bid on it, see Ken's info below regarding proxy bids.

The September meeting will be for show planning AND for the slate of candidates for the elected board positions (October election) to be presented. Please try and attend.

If you have any questions or need help with anything, please let me know.

Hope to see everyone at the Margaret and Butch Hansen's on the 9th.

Thanks,
Diane

From the VP's Desk... (Ken Jett)

Thanks to Dale & Patti Gingerich for presenting at the mini pond crawl. Melanie & Paul Onushko, Ken Jett & Brendan Berg, and Diane Giangrande allowed their ponds to be viewed and judged as part of the recent meeting. The event was well attended. Thank you to the gracious hosts!

Upcoming September Meeting – Show Prep

Our September meeting will be on Sunday, September 9th at 2 pm (1 pm executive board) at the home of Butch & Margaret Hansen. The time will be used to prepare for the upcoming show and to present to membership the nominations for the upcoming election of officers.

New This Year

We have decided to put out the call for proxy bids this year for at least this following item to encourage active bidding. This means that if you aren't coming to the show banquet (and you should) or if you can't make it to the show at all, you can still bid on this quilt.

Contact Diane or Ken with your information (name, phone, max bid) and we will have a non-bidding attendee bid for you. So if your max bid is say \$500, your proxy bidder will advance the bid as needed to win but will not go over your max bid. If you win, we will contact you for payment and shipping.

About the quilt... The Asian themed cotton materials feature four geishas in the center of the piece; coordinating meticulously selected fabric creates a vibrant quilt. Black sashing and borders allow the colorful patterns to pop. To continue the Asian inspiration, we chose to quilt with a cloud motif. The backing fabric is a honeycomb Asian print. The quilted throw measures approximately 82" x 69". The quilt was donated, designed, pieced, and quilted by Atlanta Koi Club members Brendan Berg and Ken Jett.

Nominations for President, Secretary, Equip. Manager

by Melanie Onushko

I would like to thank the members who agreed to be on the nominating committee; Kyle Brech, Alan Puch, Robin/Ron Scott, Cheryl Jacobs. They did a great job coming up with a slate of names for each position. I will now call these people and see if they are interested in being on the ballot for a specified position. So, if you see that I am calling, answer your phone! ☐

**Please remember our Sponsor:
The Koi Store and Koi Koi Pondscapes**



Upcoming September Meeting – Show Prep Ken Jett

Our **September meeting will be on Sunday, September 9th at 2 pm (1 pm executive board)** at the home of **Butch & Margaret Hansen**. The time will be used to prepare for the upcoming show and to present to membership the nominations for the upcoming election of officers.

Upcoming Koi Show

We are less than 25 days from our annual koi show. We desperately need member involvement!

There are two signup genius rosters available. Please use the Vendor Appreciation Dinner sign up to volunteer to bring a side dish to help kick-off the show. Use the Koi Show sign up to volunteer to assist with specific jobs throughout the show weekend.

Those volunteering at the show will be entered into the Jerry Johnson / Karoy Jacobs fish raffle. Given Jerry & Karoy's dedication to volunteering for our club, we thought it fitting to purchase one of the Goromos from the Happy Koi grow-out as a volunteer raffle fish. The exquisite koi (pictured below) will be judged as part of the grow-out competition – so you may be taking home an award-winning koi for your volunteering efforts. The more roles you fulfill throughout the weekend, the more raffle tickets you'll receive. Note that most of the jobs listed on the signup roster designate how many raffle tickets are given for that role.

The Vendor Appreciation Dinner sign up can be found at:

<https://www.signupgenius.com/go/4090445a5a629abf49-20182>

The 2018 AKC Koi Show volunteer sign up can be found at:

<https://www.signupgenius.com/go/4090445a5a629abf49-20181>

The Jerry Johnson / Karoy Jacobs volunteer raffle koi is circled in the photo below:

Remember that this year we are also offering a member craft table where member-made items will be sold with 75% of the proceeds to the member and 25% going to the club. Your items must not 'compete' with paid vendor offerings, must be pre-approved by show chairs, must be accompanied by pricing and inventory slips, and remaining items must be picked up at the close of the show. If you have items that you want to have considered for the member craft table, please contact Diane or Ken.



Many of you will remember the Nicholson's 3 tiered pond in Lawrenceville that was on the tour in 2017. Well, their home is now for sale, but this is their new pond in Hoschton. They successfully moved all their koi, landscaping is next. If you need a house with a pond in Lawrenceville, give Joy Nicholson a call.

Melanie Onushko



Worth Repeating.....Gary Elmore

I have 3-4 of the yellow fish I bred but that's about it for the auction. I still have some of last year's babies we can use for the quarter drop (some will be quite large for that but still small) But to make any real money at the auction, we will have to have more fish. If everyone would donate 1 or 2 fish then it will be a success. I just can't carry it this year. With all the trouble I have been having with the county and my HOA plus the health issues I am going thru, I have downsized my excess fish quite a bit. Anyway if only 10-20 people respond to this request we will be good to go. If not we will lose a nice chunk of cash. Think we took in about 1200 last year. Not bad for a half hour auction. Later....Gary

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Melanie's pond and equipment



Ken and Brendan's pond



5
Diane's pond

THE ULTRAVIOLET STERILIZER IS NO MAINSTAY FOR PARASITE CONTROL. HERE'S WHY...

The UV stands for Ultra Violet light, as emitted by the small bulb within the sheath. Water is pumped through the sheath around the bulb, and small bits of DNA within small animals, parasites and plants that go through the UV are disrupted by the UV rays. This is how UV kills parasites and animals, and algae. But depending on the clarity of the water, the UV may not be completely effective, additionally, the UV may not be able to kill larger things, like Chilodinella. Why not? Because the rays did not hit the organism long enough. UV power is measured in Micro Watt Seconds, that is, the number of micro watts that hit the DNA target per second. All of this is controlled by the rate through the sheath the water is moving, slower water, higher microwatt seconds.

When you consider UV for algae, you need about 34,000 microwatt seconds. This is fairly easy, but for 4.000 gallons I would wager you need several bulbs at a lower flow rate, for 10 gallons. a single bulb should do well. Let your store person tell you about the individual UV systems they sell. But for the kicker, you would need over 50.000 mws for Ich, and a whopping 240.000 mws for Chilodinella. Nobody's UV does that, unless it is simply dribbling through the UV. Point is. get the UV for small parasites and algae, but do not rely on it for total parasite control. Recall that some parasites are happy on the fish, and never traverse your filter! (Atlanta Koi Club News, January, 2005)

THE PH OF A SYSTEM (Atlanta Koi Club News, January, 2005)

pH is simply a measure of the free hydrogen ions in the water. High pH is tolerable to most Cyprinids like Barbs and Goldfish/Koi, Low pH is better for Tetras and South American fish. High pH is 7.4-8.0 and Low pH is 6.0-6.8 Neutral is 7.0. The pH of your blood should be 7.4. The same holds for fish. PH should be buffered. There are many commercially available buffers to do this. PH can "crash" to levels below 5.5 due to the effects of filter bacteria and other compounds released into the water. Georgia's water is very soft and crashing is more common here than in California where the water is often very hard.

AMMONIA AND NITRITE (Atlanta Koi Club News, January, 2005)

At its base, Ammonia is just the primary waste product of fish, and is excreted in their vented wastes as well as through their gill membranes. Ammonia is toxic in its un-ionized form. Restated. Ammonia is non toxic when it ionizes. You might say, "So what? What control do I have over it ionization?" Simple... At lower pH, ammonia ionizes. It is less toxic. At a pH over about 7.2, ammonia becomes more and more toxic. Who has the worse ammonia problem: the man with the acid pond with a liner? Or the man with the concrete pond, pH about 8.0? Ammonia causes burns on all fish surfaces, most notably the gills and fins. Fins may clamp and become reddened. Even low ammonia levels can pre-dispose fish to diseases. Control ammonia through water changes, and judicious use of Zeolites. As a side note, ammonia is more toxic in warm water, in water with low Dissolved Oxygen, and water that has no salt in it.

Nitrite is an intermediate metabolite in the CYCLE. Nitrite binds fish Red Blood Cells causing gasping and brown blood disease. Fish that die with their gills widely flared died of Nitrite-induced "met-hemoglobin-emia". Ways to combat this are as follows: 1) Know the problem exists, a simple test will tell. 2) Partial water changes will lower Nitrite levels 3) Addition of salt (non iodized 1 teaspoon per gallon all at once) will inhibit uptake of Nitrites 4) Methylene Blue at bottle doses will also help, but will not entirely reverse the Met-Hemoglobin-emia.

THE CYCLE:

If you are not already familiar with the CYCLE, this is the process by which fish wastes and other debris are broken down by bacteria in an aquatic system Let's trace it here. Ammonia is produced by the fish. from gills and vent. Nitrosomonas bacteria in the gravel or media break the Ammonia down before it has a chance to burn the fish. This results in the production of Nitrites. Nitrobacter, a second bacteria, breakdown Nitrites into harmless Nitrates before the Nitrites can harm the fish. The Nitrates are simply plant and algae food. In the presence of phosphates, plants use Nitrates to grow, but without the plants, Nitrates could accumulate and cause sickness (Bloody fins and weakness) in the fish. The Cycle takes 4-6 weeks. There is no way to speed up the cycle, but that does not mean there aren't things to buy that promise they can.

TREATING THE POND

One word of caution on adding medications to your mother systems: Most of them sterilize, or go a long way towards, sterilizing the filter beds of the precious beneficial bacteria that live there. Most definitely when you add most antibiotics, do you kill off large numbers of Nitrosomonas, and Nitrobacter, resulting in deteriorating water quality. IT DOES NOT MATTER WHAT THE PACKAGE LABEL SAYS. There are no laws yet enacted that require the labels on these OTC medicants to be truthful. The point is this; do not add medications to the pond, unless you have absolutely no choice at all, and if the alternative is losing the fish. Otherwise, treat in an isolation system as a bath.

Atlanta Koi Club**Financial Statement**

Year to Date As of August 31, 2018

BEGINNING CHECKING ACCOUNT BALANCE:**\$13,606.05****INCOME STATEMENT****Income**

2300 Koi Show			\$4,235.00
2310 Banquet Tick-		\$450.00	
2320 Vendor Partici-		\$2,755.00	
2340 Koi Show		\$475.00	
2342 Goldfish Show		\$100.00	
2350 8' Tank Rental -		\$420.00	
2362 Goldfish Tank Rental - Non-		\$35.00	
2700 Membership			\$272.00
2720 Membership		\$8.00	
2730 Membership		\$212.00	
2745 Sponsorship		\$52.00	
Total Income			<u>\$4,507.00</u>

Expenses

500 Koi Show			\$540.00
520 Show Banquet		\$540.00	
700 Misc.			\$542.10
Food for Monthly Meet-			
740 ing	Summer Social	\$250.00	
787 Expenses for	Lodging	\$292.10	
1100 Rent			\$185.00
1101 Rent	Sept.	\$185.00	
1300 Membership			\$25.00
1325 KOI USA Sub-		\$25.00	
1400 Bank			\$112.39
1466 PayPal Charges		\$112.39	

Total Expenses**\$1,404.49****Month Net Income/(Loss)****\$3,102.51****ENDING BALANCE:****\$16,708.56****Outstanding Checks:**

						\$2,077.61
09/07/16	EFT	\$65.00	05/07/18	EFT	\$337.50	
10/08/16	1311	\$16.85	06/15/18	EFT	\$150.00	
10/24/16	EFT	\$216.00	07/18/18	EFT	\$116.34	
10/03/17	EFT	\$107.17	07/24/18	EFT	\$75.26	
12/31/17	EFT	\$262.05	08/02/18	EFT	\$540.00	
02/23/18	EFT	\$6.44	08/27/18	EFT	\$185.00	

Amount Shown on Checking Account Bank State- \$16,210.45