

ZNA Potomac News

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Presidents Message

All,

I am extremely proud of the ZNA Potomac members who attended the AKCA Seminar in Phoenix, AZ this past month. Our own Jim North, webmaster and vendor chair for the Show, was honored as the ZNA Potomac Koi Person of the Year. Terri Janas graduated from class and is now a fully credited Koi Health Advisor. Chuck and Doris Poppe attended with both renewing long-time friendships, exchanging information, and serving as Good Will Ambassadors for the club. Chuck also lead many Judges Groups during the three days of seminars and relayed his years of experience to those in attendance. All the while Carolyn and I enjoyed watching these people receive the recognition that they have earned, through long and hard work in support of this club and the hobby. Make sure to congratulate and thank each of them at the meeting on July 15 here at my house.

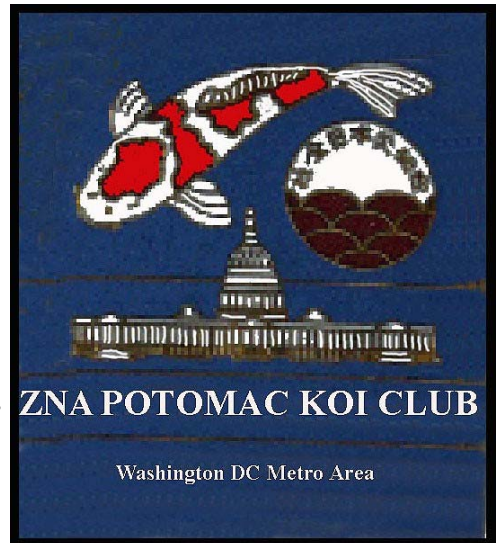
The Koi Show is just around the corner. The sign-up information is posted

on the web site, please print, complete, and either bring to the meeting on July 15 or mail to me so that you are assured of a tank. While we will have more tanks that last time, we still have a limited number, so sign up early. Start prepping your fish for the Show, as it is never to early to groom a winner.

I am excited about the new Show pin that has been designed and will be available at the Show. It will incorporate the elements of this year's show into the new pin. The pins will not be available until the show, but let me know how many you might want to purchase, ZNA Potomac pins are always sought by the pin collectors.

See you on July 15,

Mike Frady



Gin Rin Asagi



Feed me!!!!



Believe it or not, koi love watermelon

NEXT Meeting is July 15, 2007 2pm at the Frady's house! See page 7 for directions.

Copper and Zinc Kill Koi

Note about this article: This was written for my website but I decided to go ahead and put it in the newsletter as well. You can see more photos at my personal website <http://mywebpages.comcast.net/jnorth71/koi>

I'm sure it comes as no surprise to many of you that copper and zinc in the water kills koi. It certainly wasn't news to me. I mean after all, how many stories of copper lined heat exchangers dumping massive amounts of copper in the water and killing all the koi do you have to hear before you get the idea? Probably not many. So before I go any further let me give you some history. I've been keeping koi for a while now. Long enough to keep my koi alive for sure. I can use a microscope and id parasites and treat accordingly. No problem. Here is why: I live in Northern Virginia. I don't heat my pond and every spring I have an outbreak of something. It's like clock work. I scope them or call my good friend REC and he comes over and we look at them and treat accordingly. Yes I started out with a crappy little overstocked water garden but I've upgraded a lot since those days. I've kept the stocking rates down. I do water changes every other day in the summer (really). I dump the settlement on my larger pond every day in the summer. I even do water changes over the winter, not as many obviously but I do them anyway. Both my ponds are overfiltered by at least 2x the manufacturers ratings. Even with all that, every spring its the same thing....Sick koi! This year has been really bad. It started in February when my goshiki floated to the surface dead while doing a water change. She had been treated in September for a strange ulcer she had developed on her gill plate. Scrapes at that time found nothing out of the ordinary. And in case you are wondering the scrape and scope was done by REC (of Koivet) and Terri Janas (KHA). I also looked and found nothing. Anyway it had appeared to be healing going into winter but in December we had a warm snap that caused an algae bloom in that pond that clear until March so I couldn't see them anymore. So long story short the goshiki was death number in 2007. So now its March and I can see the same old problems popping up. I had a toad spawn in both ponds and found flukes on a couple koi and hit both ponds with Prazi. The koi continued to get worse. Scoped again...nothing. Cold snap at the end of March. Warms up again and the toads spawn again. So flukes make sense. Got them once so why not again? Did some scrapes and saw might have been flukes so I hit them again with Prazi. Koi are still getting worse and now I'm treating ulcers. Some are pond koi and they get a pp treatment directly to the ulcer while the show koi get tricide neo dips and Debride cream. I confer with REC and then Terri Janas comes over. We spend the day testing and scraping. We do a pp treatment on both ponds thinking maybe its bacteria in the water. We also do some Baytril injections on some of them. At this point a couple more koi have died. Couldn't tell you which ones as I've lost track of much of this. At this point REC has me do some research on SVC and KHV to see if it looks like it could be either. The symptoms don't match and quite frankly both ponds should have been wiped out at this point if it were either of those. Now let me state at about this point I am ready to fill in the ponds. I've been fighting this problems for months now and I'm quite tired of it. The worst part is you start to question your sanity and koi keeping abilities. Do you know how many times I was asked what my ammonia levels were, if I was overstocked, do I do water changes, is the filter clean? Ok I know thats right of the koi health 101 book but c'mon don't you think I checked that? Ask me for the levels once and when I give them to you don't ask me if I'm sure (cause I am)(Thank god REC and Terri didn't ask me those questions I think my head would have exploded if they did). So back to the SVC thing. That had me spooked. If I sent a fish in for testing and it came up positive (and was *almost* sure it wouldn't) then the EPA or somebody would have swooped in and killed all my fish and filled in the ponds. But anyway after MUCH discussion with REC and Terri they finally convinced me to do it. At this point my best koi had died and well, it didn't really matter anymore. BTW all of this is happening in a pond with a rock solid ph of 9.1 but thats another story. So anyway I send a koi and water samples from both ponds and the tap water(well) to Vicki Vaughn at UGA. The results were a mixed blessing. While it turned out it wasn't some weird bacteria or virus or parasite, which meant I wasn't crazy and I actually did know how to use a scope, there was a problem. Turns out there is copper and zinc in my water. Mind you its not nearly enough to be hazardous for human consumption but it is just enough to kill the immune system of koi. So basically any little bacteria (and we are surrounded by bacteria all the time) will make my koi sick and eventually kill them. Doesn't matter what I treat them with. I can use antibiotic shots, antibiotic dips, antibiotic pastes, antibiotic foods and it will not matter. With no immune system they will never heal. No where do I go from here. Well at the moment I treated the ponds with Novaqua. It binds to the heavy metals and makes them harmless. I also am going to start doing water changes with it until I can get some Poly-filter pads in. These are toxic metal sponges basically. For the long term I will be looking at ways to filter to more permanently filter the water. First though I will have to determine if its the pipes in the house or if its coming from the well that way. So another test is needed but in the meantime I will use Novaqua and the pads (when they get here). Ok since this is my website there have to be pictures so of course I have some.

Jim North



Ulcers

Copper and Zinc Kill Koi cont.

Note from Terri Janas:

As a recent KHA graduate, I want to thank Jim for giving me this opportunity to help, follow along and expand my knowledge. Also a huge thanks to Richard Carlson for following along on the scene, behind the scenes, and for his incredible support. I learned a great deal from all of this combined. Needless to say we were all stunned to hear that toxic metals is causing what was occurring. We checked out everything and found nothing that would warrant what we were seeing. All that was left was to test a fish and the water. Huge Kudos to Jim for sending in a fish which is firstly heart wrenching as well as, time consuming and costs money. The waiting for the results takes patience too while you watch your unhappy Koi at home. The amount of copper and zinc which is safe for human consumption is much lower for fish we have learned. The levels of these metals in Jim's pond were low but high enough to suppress the Koi's immunity. In all our ponds we have parasites and pathogens. The Koi's slime coat contains a bactericide to defend the skin and in most cases is enough to protect it. But when they have been stressed like in transporting, temperature changes, their immunity lessons and they become more susceptible to pathogens taking hold. Often just changing the environment, less stress, good water, is all that is needed for the Koi to heal without any intervention. But toxic metals don't work that way. Even on good days for the Koi, the metals are there harming them. Jim is on well water and he has never needed to use a dechlorinator with water changes. We have since learned that Sodium Thiosulphate (ST) binds toxic metals rendering them harmless. ST is also found in many dechlorinators like Novaqua and Prime. It can be used in its raw state, usually crystals. Hence, my feeling now is it might not be a bad idea for all of those on well water or who have copper pipes, to throw in some ST crystals when doing a water change, just to be safe. It is cheap enough and really can't be overdosed. Better yet, get your water tested every few years. It is certainly worth the money and something I plan on doing myself. The address to do this can be found at <http://www.koilab.com>

Terri Janas
AKCA KHA 07

Acceptable levels of copper and zinc:
Copper less then .006 ppm
Zinc less then .005 ppm



The areas circled in red on the koi bodies show the beginning of ulcers. The circle on the dorsal is the beginning of fin rot.



Koi that was sent to Koilab for testing.



Koi Quiz

1. Photo A is a _____
 - a. Kohaku
 - b. Showa
 - c. Sanke
 - d. Goshiki
2. What is the maximum amount of copper in your water that is safe for koi?
 - a. A couple copper pipes shouldn't be a problem.
 - b. 5mg
 - c. None
 - d. .006 ppm
3. A UV light should be placed _____
 - a. before the filter so it kills the algae before it hits the filter.
 - b. after the filter so you aren't wasting the UV rays aren't blocked by stuff that will be filtered
 - c. Whats a UV light?
 - d. none of the above
4. What word best describes the pattern on koi B?
 - a. red and white
 - b. sandan
 - c. inazuma
 - d. yondan
5. A sock net is used for _____
 - a. keeping your socks from getting lost in the dryer
 - b. catching guppies
 - c. safely transporting your koi from a regular net to a bowl or show tank etc
 - d. checking the wind direction



Photo A



Photo B

Extra credit: Photo A was the Grand Champion at what koi show?

1.A, 2.D, 3.A, 4.B, 5.C, EC-MAKC Allentown 2006

ZNA Potomac Website News!!!

Site News

Great news for the website this month!!!!!!!
Included now on the website are the show forms. Now you can simply download them, print them and send them in! Get them in as soon as possible to reserve your tank for the upcoming show at Meadow Lark Botanical Gardens on September 8-9 2007! Still coming soon are the auction photos (they may be up by the time this goes to print) and Phoenix photos. Please remember the newsletter will not be available on the website until at least a month after it is emailed or mailed out. Please make sure I have a current email address for you so you can get it on time.

Newsletter Web Extras

Since this newsletter is printed it would be difficult for you to use the links so go to www.znapotomac.org The links will be found by clicking on the month of the newsletter under the newsletter section on our site. For each newsletter I will comb a couple of the koi web forums and post links to various topics of discussion on koi. The first two links deal with koi health/water related issues and the second two discuss koi appreciation matters or water quality matters. The first link is about a KHA's pond call..very interesting reading. The second health link is about qt procedures. The first appreciation/water quality deals with the ongoing pond build of Bob Winkler. The second a heated discussion on air domes. I hope everyone finds these useful links. A couple tips on using forums. None of the links I post will be to spam sites or anything like that so please go ahead and create an account at these sites as they are free and it is the only way to view many of the photos at these sites. If you are an AOL user I recommend you use Internet Explorer when visiting koi sites as many of the features on these sites do not work with the AOL browser. Thanks and I'll see you on the web!

~Jim North

Would you like your pond listed at our clubs website? Please email me the information below with three digital photos of your pond and koi and I will list them for you on our website.

Bio

Keeping koi since:
Introduction to koi:
Favorite Variety:
Why:

Pond Info

Size:
Number of koi:
Plants:
Liner:
Filtration:
Future Plans:
Personal Koi web page:
Email submissions to jnorth@znapotomac.org

Would you like to write an article for the newsletter? Is there a topic you would like to see an article on? Do you have any general questions or comments on the newsletter or website? If so, then please email me at:

[Jnorth@znapotomac.org](mailto:jnorth@znapotomac.org)



ZNA Potomac 2007 Koi Show September 8-9

Don't miss the ZNA Potomac Koi Show September 8-9 2007!

As you all know the 2006 ZNA Potomac Koi Show was cancelled due to circumstances not under our control. This year we are back!!! Thanks to our new show location the 2007 show promises to be bigger and better than ever before! We will have multiple vendors at this show including Vienna Aquarium, Mystic Koi and Quality Koi. Please see our website for the updated vendor list as it is available. Seminars are also being planned including a seminar by Mat McCann of Quality Koi. We will have many items to for raffle and to auction.

When: September 8-9 2007

Where: Meadowlark Botanical Gardens
9750 Meadowlark Gardens Ct
Vienna VA 22182

Host Hotel: Embassy Suites Tysons
8517 Leesburg Pike
Vienna, Virginia, USA 22182
Tel: +1-703-883-0707 Fax: +1-703-760-9842
Rate is \$99 per night. Ask for the ZNA Potomac rate when reserving your room.



Rules and sign-up available on the ZNA Potomac website [Http://www.znapotomac.org](http://www.znapotomac.org)

Sign up soon before all the tanks are gone!!!

For more information contact Show Chairman Mike Frady at 703-360-9142 or mfrady@znapotomac.org



Hot Time at the AKCA Seminar Phoenix 2007!

When I say hot time I mean it was a hot time in Phoenix! Temps were in the 100s every day but that did not stop the contingent from ZNA Potomac from having a great time. On hand for this event were the Poppe's, the Frady's, the Janas's and myself. The show was held at the Phoenix-Mesa Marriott and the adjacent Mesa Convention Center. Activities were varied for this event and there seemed to be something for everyone. Terri Janas spent most of her times at the various Koi Health Advisor seminars and labs while her husband Pat toured the Grand Canyon and other area attractions with their daughters. The Poppe's and Frady's enjoyed many of the judging events and seminars. I spent most of my time hanging out with koi kichi friends I know from other areas of the country. It was an excellent opportunity to catch up with old friends and make new ones. The Saturday banquet was great fun. There were many awards given to koi people from all over the country. Honors were given to the AKCA judges for their many years of service. This included our own Chuck Poppe. Chuck and Doris also received pins for having attended some 20 years of AKCA seminars! Congrats to Terri Janas for completing the KHA course making her the first and ONLY ZNA Potomac KHA (hint, hint). I also received an award for being the ZNA Potomac Koi Person of the Year so thank you the members of ZNA Potomac for the honor. All in all it was great time and I hope to see more us at the next AKCA Seminar in Jacksonville Florida next year! ~Jim North



Above: Judges Below: Chuck and Doris Poppe with the other 20 year seminar attendees.



Right: Judges in shorts yikes! Will they be wearing t-shirts next? That's a joke folks...



Above: Judging seminar



Below: Terri Janas graduating from the KHA course. Congrats Terri!



Above: Me! Thanks everybody!



Above: One of the many vendors at the vendor show

ZNA Potomac Membership re- newals are now past due!!!!

Please remind any of your koi kichi friends that they will not be receiving the newsletter anymore without filling out the attached application. It's going to be a great year and we hope everyone renews their membership!

Thanks to you our fantastic members!

ZNA Potomac Board

ZNA Potomac July Meeting Join us pondside for an afternoon of fun and information at the Frady's

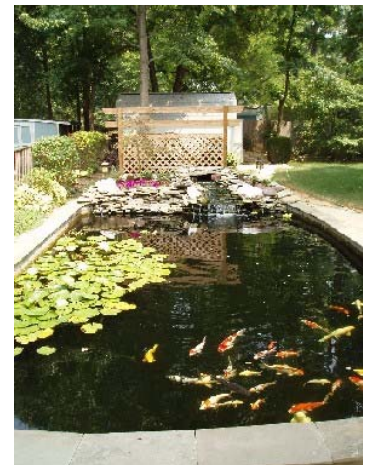
**July 15 2007 2pm
8109 Cooper Street, Alexandria.**

From the WASHINGTON BELTWAY:

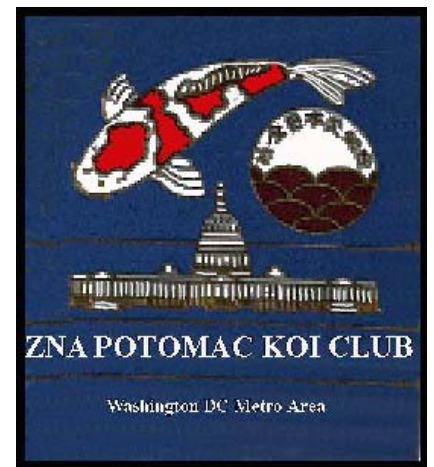
take Route 1 South toward Fort Belvoir, approximately six miles from The Beltway. You will pass Hybla Valley Shopping Center and the Mount Vernon Multiplex Cinema. At the 5th Traffic light past the Multiplex, turn right onto Frye Road. There is a Shell Station and Smitty's at this corner. Go to the 3-way stop sign and turn left onto Pole Road. Go to The third street on the right and turn right onto Cooper Road to 8109.

FROM WOODBRIDGE/SOUTH:

Exit I-95 North on Route 1, proceed past Ft. Belvoir. After Ft. Belvoir, the Woodlawn Stables will be on your right. Turn left at the traffic light onto Olde Mill Road next to Roy Rodgers. Proceed straight to the first stop sign. Turn right onto Pole Road. Proceed on Pole to Cooper Street on the left. Turn left on Cooper to 8109.



ZNA Potomac Koi Club
Membership Application
[Http://www.znapotomac.org](http://www.znapotomac.org)



Name: _____

Address: _____

City, State Zip: _____

Email Address: _____

Included is my check for \$25 for a one year membership _____

Included is my check for \$85 for a one year membership
WITH a subscription to Nichrin Magazine _____

Save a stamp and email my newsletter _____ Please send my newsletter via USPS _____

Information for website photo album (optional)

Keeping koi since: _____ Favorite Variety: _____

First Introduction to koi: _____

Why do you keep koi: _____

Pond Size: _____ gallons

Number of koi: _____ Plants: Yes / No Liner type: _____

Filtration, pump etc: _____

Future Plans: _____

Personal Koi web page: _____

Make Checks payable to: ZNA Potomac



Send Application and check to: ZNA Potomac
c/o Doris Poppe
4502 Carlby Lane
Alexandria VA 22309



Classified Section



We have a bubble-bead filter that we will give away FREE. It's similar to the BBF-XS 6000, stands 53" high, 26" diameter, and has the inlet and outlet piping already attached. Its original cost, less the piping, was around \$1300 and the BBF-XS 6000 is about \$1200. We have changed to a different filter system and would just like to see this filter go to a place where it will be used. It's heavy, as in HEAVY! The beads are still in it and by this time are pretty well stuck together. It will take two men and a boy with a truck to move it. But it's free to anyone who wants it and will move it. Our phone number is (703)780-5328 and we have voice mail but are usually home. John Byer

Do you have something pond or koi related you would like to sell? List it here for the low price of \$5. Ads for free items are free. Ad will run until it sells! For ZNA Potomac Members only. *Thanks!*

Photos for the show announcement were taken by David Smothers with the exception of the 2005 GC. Photographer unknown.



**GENKI
NISHIKIGOI**
Direct Importer & Distributor of Quality Japanese Koi



Call us: (408) 239-1018
Email Us: ktnp@hotmail.com
Store Hours: Wed-Fri 11AM-5PM
Sat-Sun 10AM-5PM
Mon-Tue Closed!



Vienna Aquarium & Pets
Northern Virginia's Home for Koi
303 Mill St. NE, Vienna, VA 22180 Phone: 703-242-0553



Blue Ribbon Koi
For all your koi and pond needs!
5003 Sudley Road, Catharpin VA 20143
703-753-7566



Mystic Koi
Authorized dealer for E.A.
& direct importer of quality nishikigoi

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