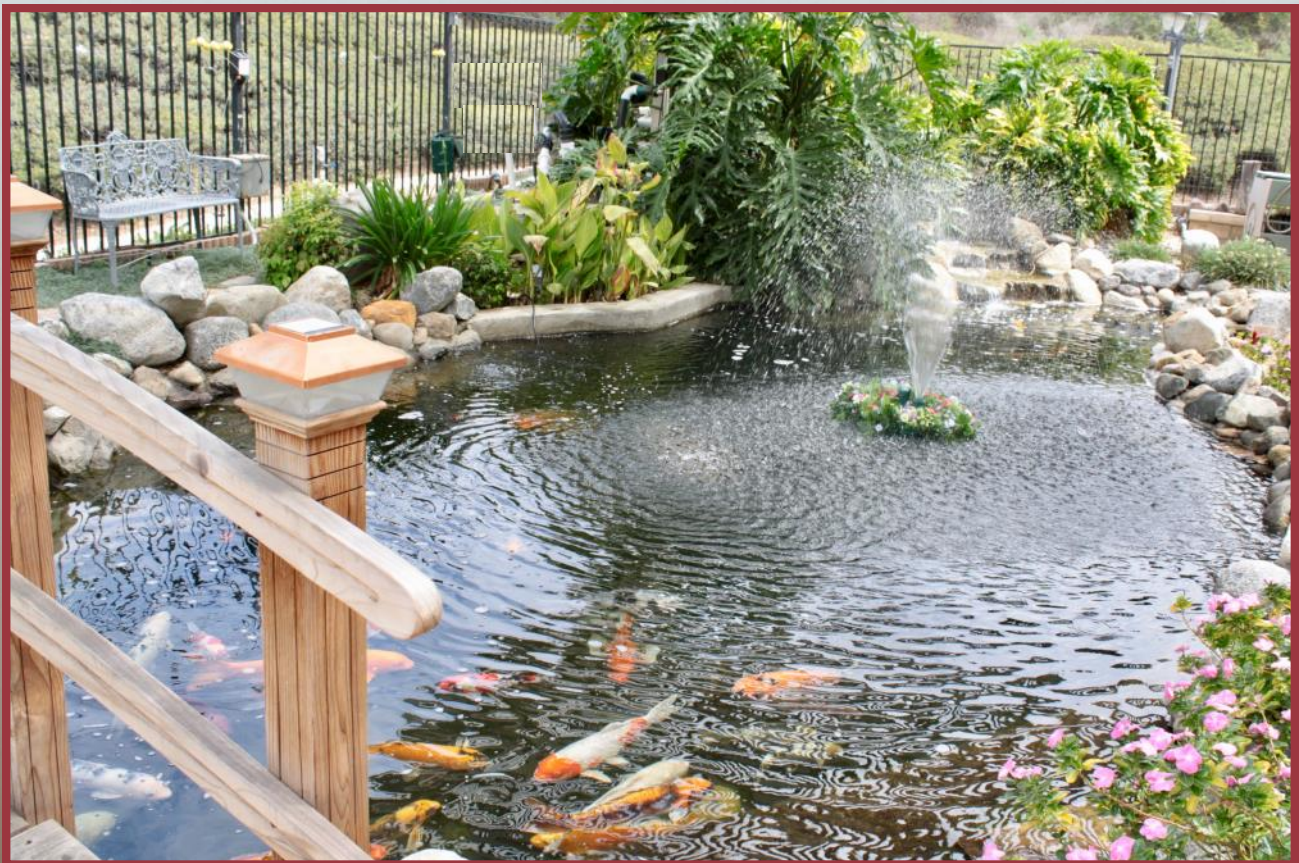


# *The Inland Koi* *Connection*



THE OFFICIAL  
NEWSLETTER  
OF IKS  
ISSUE 263  
APRIL  
2019



**IKS General Meeting - 2-5pm**

**Sunday, April 28**

**Hosts: Ed & Linda Kushner**

**1556 Vandagriff Way**

**Corona 92883**

**951.520.0092**





*The IKS Board generally meets on the second Sunday evening at 5:00 or 6:00 pm; they share hosting the meetings, providing simple refreshments. Members are welcome to attend, but should let the hosts know their intention to do so.*

The **April 14** Board meeting included the third Auction Planning Meeting. It was hosted by the Milfelds at 6PM, with dinner served at 5PM; the full Board attended, plus two guests.

- **March 24 at Vicki Grunewald's in Cherry Valley:** We had 41 members and guests. As the builder, **Ed Brown** talked about Vicki's pond then moved on to his Q&A followed. He had thoughtful ideas for adding a Japanese touch to the landscape. Ample food and a clear day with no rain!
- **Membership:** There have been 56 renewals and five new members to date, and the membership rolls will be culled this month.
- **Meeting Dates:** Ed has these dates, hosts and speakers confirmed:
  - 28 April ~ **Ed Kushner**, Corona ~ Nick Milfeld & Larry Leverett, Auction co-Chairs, training for the auction event
  - 26 May ~ **NO Meeting:** Koi Auction the next Saturday, June 1
  - 01 June ~ **Koi Auction & Used Equipment Sale** ~ at Milfelds' Nursery, Riverside ~ Volunteers needed!
  - 23 June ~ **Aiko Howo**, Redlands ~ Speaker TBA
  - 28 July ~ **John & Cricket Mouw**, Riverside ~ Speaker TBA
  - *Hosts are needed for August forward; call Ed Kushner to volunteer.*
- **Koi Rescue:** •QT pool for Auction is set up at the Kushners'. •A 3/26 rescue netted 24 koi and three hi-fin sharks; a 4/6 rescue netted one big koi. •There are about 40 koi in QT. •Deadline to register to sell fish at the auction is Wednesday, May 15. •Donating koi to the auction? Ed may be able to arrange to pick them up from you.
- **Koi Auction ~ Saturday, June 1:** •Besides rescued koi, members may bring fish to sell, with a limit of five per member, or donate them to the club. •All members must register by May 15 to sell or to give koi to the auction; do this at meetings or call the Kushners to let them know.
- **Norco HS Pond Project:** Students are still enthusiastic about project. They have dug for plumbing from the vortex to the pond, cutting out roots and all. Eric Triplett donated bottom drains, a Helix skimmer and the vortex, and will help them install the liner when they're ready. Eric and Deanna Fales are drawing blueprints for a project manual.
- **Tom's Farms Project:** Brenda Aker is coordinating with owner Sunny; they have a bid estimate of \$18,500 to fix the filtration system, including two 35,000-gallon *Ultima II* systems. The nitrite levels remain high.
- **New Business: Next Board meeting: Sunday, May 26, at 5pm**, at the Zoetemelks' in Norco.



**BOARD OF DIRECTORS**

- President:** **Linda Kushner**  
951.520.0092 ~ lindakushner@inlandkoisociety.org
- Vice President:** **Ed Kushner** ~ *Meeting Sites & Speakers, Web Liaison ~ Koi Re-Homing*  
951.520.0092 ~ edkushner@inlandkoisociety.org
- Secretary:** **Monica Dirac**  
909.887.7497 ~ monicadirac@aol.com
- Treasurer:** **Nick Milfeld** ~ *Membership, Auction*  
951.780.7395 ~ nickmilfeld@inlandkoisociety.org
- Newsletter Editor:** **Peggy Milfeld** ~ *Directory, Printing*  
951.780.7395 ~ peggymilfeld@inlandkoisociety.org
- 
- Director:** **Brenda Aker** ~ *Liaison with Tom's Farms*  
c 951.316.0263 ~ BrendaAker@inlandkoisociety.org
- Director:** **Ed Broomfield** ~ *Certified Koi Keeper, Koi Health Advisor*  
c 909.519.7026 ~ EdBroomfield@inlandkoisociety.org
- Director:** **Deanna Fales** ~ *Raffles*  
951.279.0181 ~ DeannaFales@inlandkoisociety.org
- Director:** **Rob Fales** ~ *Pond Tour Co-Chair*  
951.279.0181 ~ robfales@inlandkoisociety.org
- Director:** **Larry Leverett** ~ *Properties Manager, Auction*  
951.781-3887 ~ larryleverett@inlandkoisociety.org
- Director:** **Theo Zoetemelk** ~ *Buffet & Banquet Supplies, Liaison with Norco High School*  
951.735.9896 ~ theozoetemelk@inlandkoisociety.org
- Director:** **POSITION OPEN**

**IKS HELP LINE**

- Koi Health ~ K.O.I. Rep.:** **Spike Cover** ~ 949.855.2371
- AKCA Representative ~ Mac McClain** ~ 951.398.7048  
macmcclain@inlandkoisociety.org
- Librarians:** Books & Videos listed on IKS website  
**Jim & Tess Poyle** ~ 951.797.3007
- Database:** **Orville Hanson** ~ 951.682.3107
- Web Master:** **Alecia Everett** ~ ikswbmaster@yahoo.com
- Badges:** **Jack Marrin** ~ 909.792.3603  
jackmarrin@inlandkoisociety.org
- Sunshine:** **Francine Hoffman** ~ 951.781.8209
- *When calling our volunteers, you might get a recorded message. Please suggest a time when you're home to receive a return call, or when you would like to call back.*
  - *Remember that phone advice is given based on your input; the ultimate responsibility for treatment remains with you.*
  - *You can call our Librarians to request information on a particular topic and they will bring it for you to the next meeting, or make other arrangements to get it.*

**Our club President and VP** will host the April meeting at their Corona home. **Ed & Linda Kushner** purchased one of only four flag lots in their development in 2001; they were attracted by its privacy, elevation, views, and the borrowed landscape afforded by its being bordered on two sides by the Cleveland National Forest. Building a pond with that backdrop seemed natural, like fencing off a riparian pool and building your home around it. The area is not truly forested...there are no trees in sight, just wide open space.



**Their house sits high** behind a neighbor that faces the street. The neatly-landscaped long driveway leads to a wide drop-off area with space to turn around, but not enough space for parking. At present, a 15-foot diameter pool is set up at the top as a quarantine tank. We ask that you park on the street, but feel free to drop people or things off at the top and then move back to the street. Check out the pool, then come through the gate to meet around the pond.

**The original pond**, built by Kan-Do Ponds of Placentia, was featured on our 2008 Pond Tour. It was basically an *Aquascape* design full of rocks and lacking any bottom drains. Ed's learning curve ran the gamut of removing the rocks, adding bottom drains, protecting against local predators... and planning the remake that was finished in 2016, and showcased last year on our Pond Tour.

**The Kushners joined** IKS in 2004, admitting that they didn't know much when they began, but now Ed is one of our club "experts" and has managed our Rescue & Re-homing program for several years. His own 1400-gallon QT tank, located in the 'dead-end' behind the house, is used year-round for rescues, but, as auctions approach, he sets up an above-ground pool with full filtration to quarantine fish for months before the event. You may recognize the water bar (filtration return) is

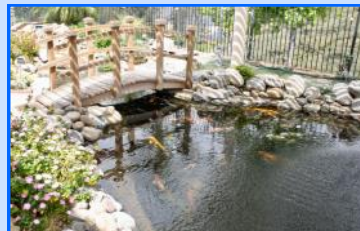
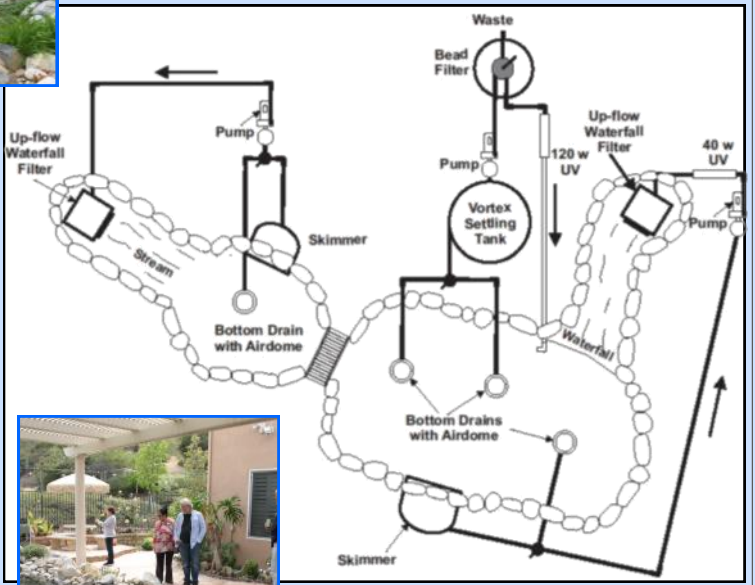


very much like those in every tank at Inland Koi, which we visited last June.

**What exactly did the Kushners do to their pond?** For starters, they engaged **Ed Brown** of *Ponderific* to do the work. Visually, the original pond was like a stream and two divided sections, holding 5,000 gallons; the new pond is almost tripled in volume. Like two streams merging in a natural pond, 45' by 20' and 6' deep; the volume is now 14,000 gallons. A stone bridge was replaced with a lovely arched wooden bridge with a solar light on top of each post for night-lighting. The two separate sections appear larger, wider, and are obviously much deeper.

**Filtration was a major change:** more pond needs more! The original pond had one skimmer with dual submersible pumps that fed two vortexes and flowed into the waterfalls at opposite ends of the system; a UV light was a later addition, as were drains on the filters. Adding a solar system in 2006 saved about \$500 a month in utilities, and continues to be a wise decision as the new

system includes two Savio skimmer filters with Sequence 8200 pumps (8200gph and 445 watts), drawing from the surface and separate bottom drains. There's a new AlphaOne LH 6.0 filter, rated at 17,000 gallons; it pulls from two bottom drains, with a 12,500 gph pump pulling from a Wave-36 Vortex and a ZappPur ZP-40 UV. There's a total of four 4" bottom drains with air diffusers, and two air pumps serving the bottom drains. Lots of water movement, lots of healthy stuff! And some pretty nice koi, too. [Here's a clear picture of all of that — the schematic from the Tour booklet.]



**Come early** for a good look around. Linda always has the big island in her kitchen ready for our buffet, so bring your potluck items inside from the patio. Remember your chairs, maybe an offering for the raffle table, and up to three koi photos for Koi of the Year. [Review last months newsletter for details!]

**There will be serious discussion** about everything that relates to our June 1<sup>st</sup> Auction. We need to know who has koi or equipment to sell; and we need more volunteers....

**See you there!**

**DIRECTIONS:**

- Exit I-15 Fwy on CAJALCO RD; go west following EAGLE GLEN PKWY.
- After passing Eagle Glen Park and School, turn RIGHT onto FAIRWAY DR.
- Just before Fairway Dr. dead-ends, turn RIGHT on Vandagriff. 1556 VANDAGRIFF WAY will be on your left, up the long drive.





**RENEWALS & NEW MEMBERS RECEIVED TO DATE**

As of March 31, our mail list was culled to the list below, whether for mailed or email newsletters. Renewals may still be submitted and the names will be put back on the list. If you miss someone who is not listed here, give them a call and encourage them to come back to us.

A new Directory should be available at this month's meeting. Donise Lei has been taking pictures of all members, singly or as couples or families, at regular meetings throughout the last year. No selfies have been received, but they would be welcome.

Phone photos work great. Ask a friend to take one for you and forward it to me at [peggymilfeld@inlandkoisociety.org](mailto:peggymilfeld@inlandkoisociety.org) I can use them for updates throughout the year.

*Thanks for your help in making this photo Directory possible!*

Aker, Brenda	Murakami, Ken & Donna
Alexander, Gavin & Stephanie	Nyirady, Steve & Laura
Atkiss, Paul & Cheryl	Parks, Gary & Janet
Austin, Janice	Pollock, Alan
Blais, Armand & Eve	Poyle, Jim & Tess
Broomfield, Ed & Louise	Rein, Lloyd & Joy
Brown, Ed & Trina	Rhodes, Steve & Lily
Carlson, Peggy	Richardson, Wayne, Linda
Chandler, Don & Brenda	Ross, Tom & Zuma
Coby, Tony	Rowland, Audrey
Cover, Spike & Ginger	Simmons, Bob & Vickie
Dirac, Monica	Stevens, Wally
Driver, Teresa	Thompson, Carole & Denny
Fales, Rob & Deanna	Trubs, Mike
Fowler, Cynthia	Walters, Bob & Martha
Fraday, Mike & Carolyn	Watson, Alvin & Darlene
Grunewald, Vicki	Weston, Vicki
Halterman, Perry & Janice	Wolf, Larry & Dorothy
Hamilton, Carole	Wright, Tom & Tee
Hanson, Orville, Peggie	Yelenich, Ron & Jessica
Henry, Bob & Bonnie	Zehm, Scott & Phyllis
Henry, Richard & DeeDee	Zoetemelk, Theo & Jeanne
Hoffman, Francine	
Howo, Aiko	<b>NEW MEMBERS:</b>
Hunter, Phil & Rachel	Israel, Ben & Reiko (1/17/19)
Hurley, Steve & Patricia	Delgado, Pamela (2/13/19)
James, Roy & Ana, Sophia	Diaz, Floyd (2/13/19)
Kovacic, Michael & Diane	Castello, Gina (4/24/19)
Kushner, Ed & Linda	Massaro, Mike 4/24/19)
Leever, Carl & Mary	
Lei, William & Donise	<b>HONORARY MEMBERS:</b>
Levereett, Larry & Debby	Houston, Kelly
Liette, Mary Ann	Pierce, Al & Tamsie
MacLaren, Ed & Lynn	Svelan, John
Mall, Jerry & Pat	
Marrin, Jack & Norma	
McClain, Mac & Jill	
Milfeld, Nick & Peggy	
Mouw, John & Cricket	

[61+3]

**WELCOME TO OUR NEWEST MEMBERS!**

*Write these folks into your Directory, seek them out at meetings, and make them welcome! More than fellow members, make them friends!*

1/17/2019 ~ Ben & Reiko Israel ~  
Riverside CA 92503 ~ [ben@benisrael.com](mailto:ben@benisrael.com)

2/13/2019 ~ Pamela Delgado ~ Referred by Ed Brown  
3395 Lynwood Drive ~ Highland CA 92346  
909.203.2891 (C) ~

2/13/2019 ~ Floyd Diaz ~ Referred by Ed Brown  
41224 Sea Island Court ~ Temecula CA 92591  
951.821.0705 (C) ~ [floyd740@gmail.com](mailto:floyd740@gmail.com)

3//24/2018 ~ Gina Castello ~ Referred by Ed Brown  
1000 Fourth Street ~ Calimesa CA 92320  
951.522.9962 ~ [castello.gina@yahoo.com](mailto:castello.gina@yahoo.com)

3//24/2018 ~ Mike Massaro ~ Referred by Ed Brown  
3554 Rawley Street ~ Corona CA 92882  
951.283.5247 ~ [mike@candylearning.com](mailto:mike@candylearning.com)

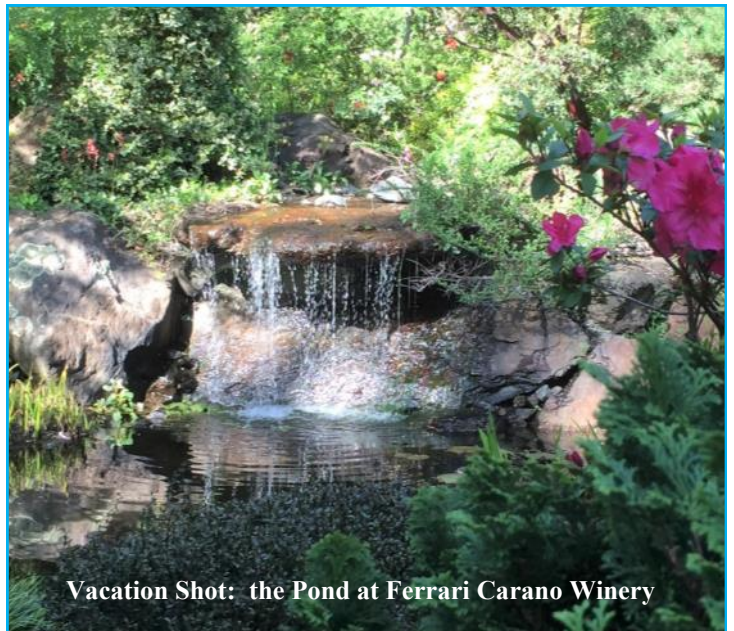
*New Members: Our Member Directory includes members' photos. If you won't be able to attend the March meeting, please send me a selfie so you can at least be included in the April 2019 update, and we'll be able to recognize you when we do meet! Couples: please keep your heads somewhat close together. Thank you!*

*Email photos to Peggy at [peggymilfeld@inlandkoisociety.org](mailto:peggymilfeld@inlandkoisociety.org)*

**LATEST BADGE ORDERS RECEIVED**

Three new badges were just received.  
Ask for yours at the sign-in table:

*Ana James Sophia James Ben Israel*



Vacation Shot: the Pond at Ferrari Carano Winery



Visiting **Vicki Grunewald** was a treat, despite the long drive to Cherry Valley, which 41 members and guests made. Even a local family the process of building a pond stopped in, having seen the signs on the street. Vicki's home is designed for entertaining, with covered patios and a bar area, small gardens, and a big kitchen island for setting up the buffet. Lunch was a great collection of dishes, from BBQ ribs by our hostess, to beans & rice and chili, with salads and lots of desserts.



public water supplies. Out here, on a good windy weekend, we can lose an inch of water by evaporation. You can't keep the same water and just top off to replace evaporation; eventually you'll get a build-up of chemicals. It's recommended to replace 10% a week to keep water parameters balanced.

Why fill valves? To keep water level constant. There are many styles — Hudson, Tubular, Election, Levolar — but a fill valve inside a skimmer is easy to install and to calibrate, it's protected....

Vicki joined IKS last September while her pond was being built by **Ed Brown**, her son-in-law.

We've enjoyed chatting with Ed Brown of *Ponderiffic* the last few months. He was responsible for the redesign/rebuild of the Kushner's pond, and was our speaker this month. *Ponderiffic* is a landscape design and construction firm with an impressive list of projects to recommend it, including Disney's Epcot Center in Florida, wineries in Temecula, Descanso Gardens in La Canada, etc. Ed's personal credentials are impressive, too, with an MS in Plant Science; licensing or certifications as a landscape contractor, a crop advisor, a pest control advisor; plus experience in horticulture, wildlife biology, water gardening, and mechanical contracting. He has created a new business, focusing on sustainable landscaping and backyard farming, to complement what *Ponderiffic* does.



At the end, a plea was made for every able-bodied member to volunteers to work the coming Auction. We were reminded to pre-register to sell koi, or to donate koi to the club to be sold, and also reminded that fish to be sold should not be fed for a couple of days prior to the event. We also need to know of used equipment that will be sold so we can provide enough display space for it. Questions about the event can be addressed to Nick or Larry.

Announcements and the raffle closed out the day, and all were wished a safe journey home.

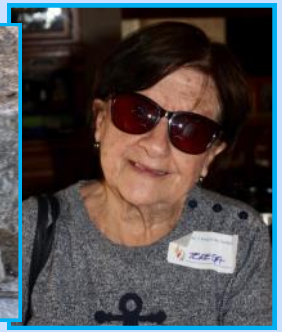
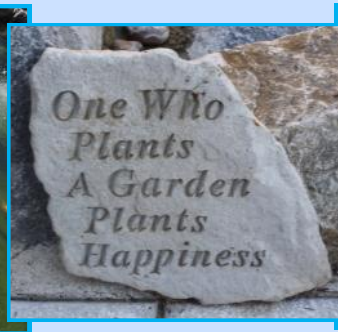
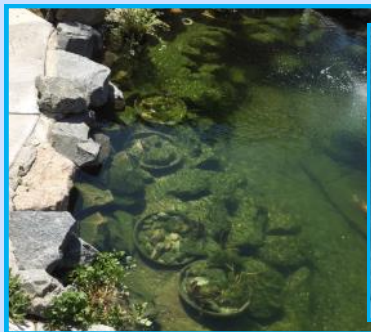
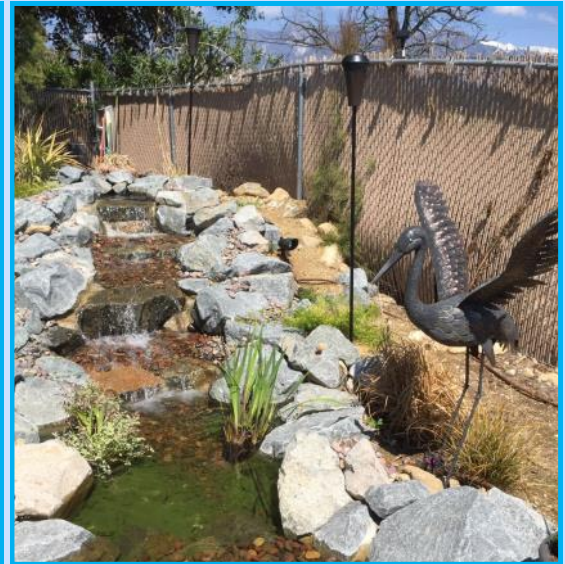
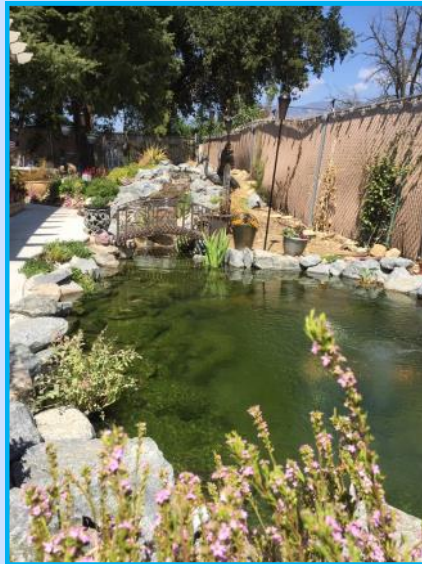
Ed described building Vicki's 3000-gallon pond and taking advantage of the natural slope for a gentle waterfall. Unable to get an excavator through the garden gate, they hand dug the pond to a 3.5- to 4-foot depth....and found a huge boulder blocking their progress. They had to remove part of the side fence and come in through a vacant lot to get the excavator in after all. It is a liner pond with a 4-inch aerated bottom drain by Rhino. The power head is an external pump, a 1/2hp Performance Pro that pulls water through a UV; the two are the only pieces of the 4000gph system exposed upstream behind the low waterfall. As you walk by the rocky edge, you can see the many submerged plant containers; an exceptionally cold winter killed many of the plants; **Eric Triplett** brought Vicki a lot of replacements.

Much was taught in the exchanges of questions and answers as Ed talked about auto-fill, overflow, and other such devices....

How often should you turn the water over? The rule of thumb is at least every hour, and that's through the biofilter.

If you leave the filter off for 8 hours, will that create toxicity? The general rule is that after 12 hours the biological system starts to die and will turn toxic.

How often do you change *all* the water? Periodic *partial* water changes are recommended, partly to avoid water spikes of chlorine, although chloramine are more commonly used than chlorine today in





I want to thank **Larry Leverett** for giving me a link to this Southern California veterinary group specializing in aquatic pets. What I especially like is that they are a (basically Southern) California group. Located in Watsonville (about 25 miles south of San Jose), The team of veterinarians do more than treat — they also teach, offering a monthly online and in-store seminar/webinar to educate responsible pet parents. Webinars are generally broadcast from 2pm to 3pm PST on the second Tuesday of the month. More info and a list of titles can be found on the website at <https://cafishvet.com>.

**TOP 5 SPRING DISEASES IN KOI**

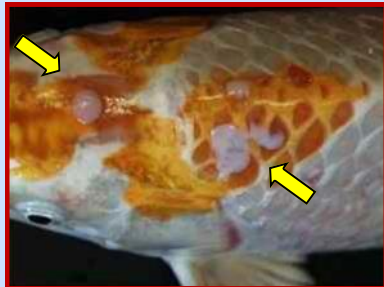
March 19, 2019 ~ by Jessie Sanders, DVM, CERTAQV

It’s almost koi season at Aquatic Veterinary Services! Here are our most common diseases we can expect to see and the signs you should be aware of if any of these diseases are present in your pond.

**5. Carp Pox**

Although not THE koi herpes virus, carp pox is also known as cyprinid herpesvirus-1. It causes lesions within the skin that can look like “candlewax drippings” and “frosting” along the leading edges of the lips and fins. In cooler water temps, the lesions can be severe, but as the water warms, the fishes’ immune system and skin replacement can make the lesions almost vanish. Only in severe cases will a fish start to be compromised to secondary infections.

Since this is a herpes virus, **there is no treatment or cure**. If you have one fish in your pond showing these clinical signs, all of your fish have already been exposed. **Only the immune-compromised or stressed individuals will show clinical signs.**



This is a very common disease to diagnose. Unless the case is severe, the fish will have good health, but will not be very pretty.

**4. Monogenean Trematodes (aka ‘flukes’)**

These irritating little worms are most commonly gyrodactylus or dactylogyrus species. They can infiltrate the skin or gills and cause severe irritation for any fish. You will most commonly see signs of skin irritation, with increased redness on paler fish, bruises or missing scales.

Since fish cannot itch themselves like a cat or dog, they exhibit a behavior known as “flashing.” Usually, you will see your fish throw themselves sideways along the sides or bottom of their pond in an attempt to dislodge these irritable invaders.

Severe infestations can cause the gills to shut down and death to occur. There are many over-the-counter medications that will claim to take out these bugs. Please keep in mind that these medications are not controlled or overseen by any government checks. A veterinarian can prescribe a prescription-strength medication to take care of your problem safely and easily.



**3. Gonadal Sarcomas**

Unfortunately, we often do not catch these tumors in time for surgery. **Females between 8-12 years of age seem particularly more susceptible.** Our Spring Pond Package for 2019 will include ultrasound screenings for all females since we are trying to catch this disease early.

These space-occupying tumors most likely start from female gonadal tissue. The only physical sign you may see is a slightly enlarged, perhaps asymmetrical, body shape. By the time they are visible externally, most of the internal organs are failing. These masses are very hard to catch, which is why our new screening system will be started this year. If caught early, the tumor can be removed via surgery.



[A 5-minute video, “Koi Abdominal Surgery 1,” is available online at the address above.]

**2. Trichodina**

This aggressive “scrubbing bubble” is often aided by our #1 disease in koi. We tend to see this parasite most commonly, often displaying the same “flashing” behavior as our monogenean friends.

This parasite is easily treated by our prescription-strength medication. **Over-the-counter medications do not work well** against this parasite for some reason.



**1. Water Quality**

I know it is not a “disease,” but **poor water quality is the #1 diagnosis for disease** I make. Having poor water quality makes all diseases WORSE, including bacteria, fungi, parasites and other pathogens.

Water quality is directly linked to fish health. Like the air we breathe, the water a fish swims in has a direct effect on their overall immune function. Before the spring diseases come, get your maintenance routine overhauled; **test your water chemistry regularly** to make sure your fish have their best chance for a healthy spring.

[A 36-minute video, “Water Quality for Fish Owners,” is available online at the address above.]

**KOI & WATER QUALITY**

Koi are the most common fish we see through our veterinary service. The majority of issues in koi are secondary to poor water quality. We understand that in drought prone areas, doing your regular water changes can be difficult. With limited maintenance, stress from **poor water quality often leads to secondary diseases involving bacteria, parasites and fungi.**

If you are having an issue with your koi, check your water quality FIRST. If your parameters are not within range, it is time for a water change. Always use a liquid-based test kit

that has been purchased within the last year. The expiration date is only for the store shelves.

Parameter	Range
Ammonia	<= 0.1 mg/L
Nitrite	0 mg/L
Nitrate	<80 mg/L
pH	6.5-9.0
kH	>100 mg/L
gH	>100 mg/L
Temperature	Seasonal

If your parameters are within range, how many fish are affected? Is it just one fish or more than one? If only one fish is acting sick, move it to your quarantine system. If you do not have a QT system, you should get one set up or have one ready.

One of the most common issues we see is *gonadal sarcomas* in koi. These space-occupying tumors, most common in female koi, cause a prolonged pregnancy appearance. It is important that these tumors are caught early. If you have a fish that has looked like the #3 image for a long period of time, or has an asymmetrical belly, it needs to be screened ASAP. Screening is a painless process performed with ultrasound under anesthesia.



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**Education: Webinar Series**

Join us online for a monthly educational seminar. All webinars are 2-3pm PST on the second Tuesday, except in June:

[Goldfish Tank Setup](#) – May 8th

[Spotting Disease in Fish](#) – June 12th

[Water Quality Basics](#) – July 10th

[How to Read a Fish Food Label & Nutrition Basics](#) – August 14th

[Aquaponics & Fish](#) – September 11th

[Plants in Fish Systems](#) – October 9th

[Fish Surgery](#) – November 14th – DATE CHANGE

[Why Fish Bowls Are Bad](#) – December 11th



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– John Svelan



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**Reminder!**  
**Koi and Koi Person**  
**of the Year Selections in April**

*I can win "Koi of the Year" without being netted & tubbed — I hate those nets, and my owner has trouble catching me! All you need is a camera and then bring my printed picture to the April meeting where I can be admired.*

*It's also time to recognize someone for their dedication to IKS. Any member may nominate another for this honor —one individual or multiple members of the same family — but not anyone who has previously been honored. (Please review the list in the March newsletter, and come prepared!)*



**Pandasia Koi and Garden**

21185 Canyon Drive, Wildomar 92595

951-265-3691

[infopkoi@gmail.com](mailto:infopkoi@gmail.com)

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



Thank you to Dain Corrales of **NIJIKAWA USA** and Sandy Caldwell of **ULTRA BALANCE** for so graciously supplying **INLAND KOI SOCIETY** with a nutritional food supply for the **KOI REHOMING PROGRAM**



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Closed on Sundays

Phone: (714) 438-0087  
Website: [www.inlandkoi.com](http://www.inlandkoi.com)  
Email: [inlandkoi@inlandkoi.com](mailto:inlandkoi@inlandkoi.com)

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Riverside, CA 92509  
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**Koi Rescue, March 26, 2019**

Ed Kushner was asked to do a quick rescue for a pond owner who was leaving Friday, Mar. 29. **Tom Wright** and I visited the pond Monday morning the 25<sup>th</sup>, in Pedley; we would be back soon to take all the koi and a few hi fin sharks.



Tom wanted to try out his newest purchase, a *flexible mobile tank* and an *air converter* that uses a vehicle's electricity to run an air stone, and use my Ford truck to haul the fish to Ed's quarantine pool in Corona.



Tom started making calls and added **Brenda Aker, Ed Broomfield** and **Larry Leverett**, plus Tom and I, to do the rescue on Tuesday at 10:30am. We took 24 koi and 3 hi fin sharks back to Corona at 1:30 pm.



The flexible tank turned out to be very practical and a time-saver: we didn't have to bag each fish individually nor carry an oxygen tank to the site.



The pond owner (in the bright red hoodie) didn't want any water removed, so it took much longer to catch the last two fish: they were mostly black and we couldn't see them, especially once we started dragging the nets along the bottom to chase them up. We had to leave the pond running as is, but no fish.  
~Deanna Fales



*This flexible transport tank fit neatly in the pick-up's bed. The fish inside have treated and aerated water, and the whole thing takes up less room — and time — than 27 bags in boxes. Ask Tom for more info on source and pricing.*



Koi Organisation International  
Current Accurate Useful



- Certifications offered:
  - Certified Koi Keeper (CKK)
  - Certified Show Water Quality Specialist
  - Pond Science Certification



**How do I know if I renewed my Membership?**  
Check your "My Account" area  
See what Privileges you have  
You should see Member if you're paid up

**Renewals are only \$15!**  
<http://koiorganisationinternational.org/koi-memberships>



**Did you know that K.O.I. sponsors GROUP BUYS?**  
There are currently 4 available!  
Members, CKKs, Students, Instructors only  
SPECIAL CKK ONLY deals

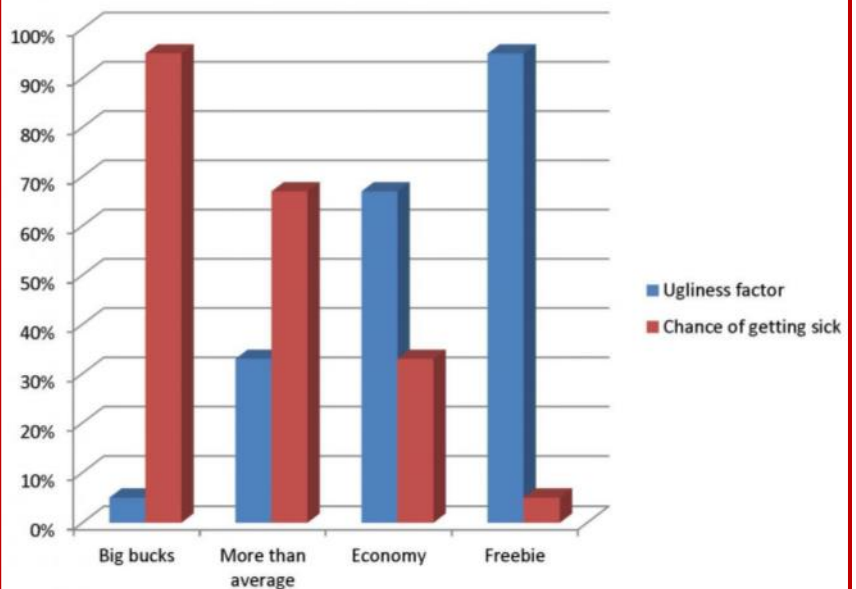
**NEW** NEW Blog Posts!  
Over 650 Available!

- The Koi's Immune System**
- [KHV Carriers](#)
  - [Toxic Metals](#)
  - [Identifying Bacteria](#)
  - [Disease Resistance](#)
  - [Nitrite Poisoning](#)

**What types of INFORMATION are available from the K.O.I. Web site?**

- Blog Posts**
  - For the curious! Interesting articles, research reports and projects
- Articles**
  - By experts in the hobby
  - Checked for accuracy by K.O.I. Instructors
  - 3 categories – Public, Members ONLY and Archived
- Ebooks**
  - Held to a higher standard and accuracy reviewed by K.O.I. Instructors.
  - References given.
  - Free and For Sale (\$1 - \$5 each, or as set)
- Courses**
  - Our highest standard for Current, Accurate and Useful information
  - Rigorously checked for scientific accuracy
  - Updated frequently
  - You DON'T have to be a member to take!
  - On all aspects of the Koi hobby
  - Beginner to Advanced
  - Club Discounts

**Koi ugliness vs. Sickness in general cost categories**







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**SAVE THE DATE**

**KOI FEST**

**JUNE 8TH**  
**10AM - 5PM**

**Mystic Koi**

1250 W. ARROW HWY UPLAND, CA 91786



When you check in at meetings, look for "Question of the Day" forms at the registration table and write down any pond- or club-related question(s) you have. We will set aside a time during each meeting to answer any questions that are submitted.

We've found that written questions are a practical format for our Panel Discussion programs, and several have noted that conversations over lunch frequently focus on issues one member asks another about. The questions are often common to several people, and the answers would be profitable to all.

Spending a few minutes answering current queries should be an interesting addition to the agenda.



*~IKS Library & Video Tapes ~*

Just go to our web-site <http://www.inlandkoisociety.org> and check on Resources. A menu will come down with two choices; "IKS Library" is the link you want to choose. You can reserve any book or video from the on-line Library just by contacting **Jim & Tess Poyle at 951.797.3007** and they will bring your selection to the meeting. Members may check out one item at a time.



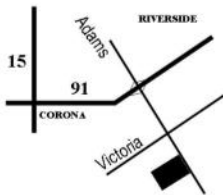
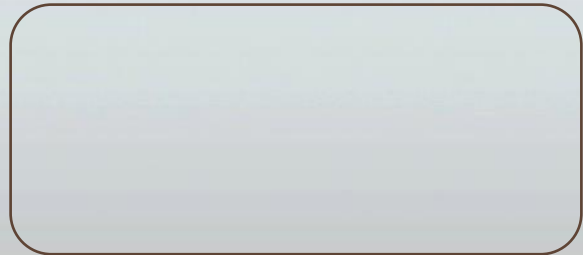
A P R I L	13-14	<b>Riverside Flower Show &amp; Garden Tour</b> ~ Elks Club, 6166 Brockton Ave. / <u>Friday</u> : IKS display pond <i>Set-up</i> 4pm; <u>Sunday</u> : display pond <i>Tear-down</i> 4pm ( <i>Board Meeting follows</i> )
	14	<b>IKS BOARD &amp; AUCTION MEETING</b> ~5pm / Hosts: <b>Nick &amp; Peggy Milfeld</b> , 1644 Northhampton Dr., Riverside 92506 / Interested Members welcome, call 951.780.7395
	21	<b>Easter Sunday</b> <i>Christ Is Risen</i>
	26-28	<b>OC Spring Home &amp; Garden Show</b> ~ Anaheim Convention Center, 800 W. Katella Ave. / Fri 12N-7pm; Sat 10am-7pm; Sun 10am-5pm / Free entry
	28	<b>IKS POTLUCK MEETING</b> ~ 2-5pm / Hosts: <b>Ed &amp; Linda Kushner</b> , 1556 Vandagriff Way, Corona 92883 / 951.520.0092 / Speakers, Nick & Larry, Auction co-Chairs: <i>Training and Q&amp;A</i> / <b>Voting for Koi of the Year &amp; Koi Person of the Year</b>
M A Y	12	<i>Mother's Day</i>
	26	<b>IKS BOARD &amp; FINAL AUCTION MEETING</b> ~5pm / Hosts: <b>Theo &amp; Jeanne Zoetemelk</b> , 1407 Second St., Norco 92860 / Interested Members welcome, call 951.735.9896 <b>NO GENERAL MEETING</b>
	5/31-6/2	<b>South Bay Spring Home &amp; Garden Show</b> ~ Long Beach Convention Center, 300 E Ocean Blvd, LB / Fri 12N-7pm; Sat 10am-7pm; Sun 10am-5pm / Free
	31	<b>IKS KOI AUCTION &amp; USED EQUIPMENT SALE</b> ~ Set-up all day / 2550 Adams St., Riverside 92504 Contact Nick for info, to help.
J U N E	1	<b>IKS KOI AUCTION &amp; USED EQUIPMENT SALE</b> ~ 8am for all workers; coffee & doughnuts available. Auction runs 10am-2pm; clean-up follows.
	9	<b>IKS BOARD &amp; AUCTION REVIEW MEETING</b> ~5pm / Hosts: <b>Nick &amp; Peggy Milfeld</b> , 1644 Northhampton Dr., Riverside 92506 / Interested Members are welcome, call 951.780.7395 to let hosts know.
	16	<i>FATHER'S DAY</i>
	23	<b>IKS POTLUCK MEETING</b> ~ 2-5pm / Host: <b>Aiko Howo</b> , 1335 Sterling Road, Redlands 95373 / 909.798.1436 / Speaker: TBA
	29-30	<b>2019 AKCA Business Meeting &amp; Wet Lab</b> ~ Hyatt Regency, Greenville SC / Info: <a href="mailto:donnbda@aol.com">donnbda@aol.com</a>
J U L Y	4	<i>4th JULY INDEPENDENCE DAY</i>
	7	<b>IKS BOARD MEETING</b> ~5pm / Hosts: <b>Ed &amp; Linda Kushner</b> , 1556 Vandagriff Way, Corona 92883 / 951.520.0092 / Interested Members are welcome; call to let hosts know.
	28	<b>IKS POTLUCK MEETING</b> ~ 3-6pm / Hosts: <b>John &amp; Cricket Mouw</b> , 16187 Porter Ave., Riverside 92504 / 951.776.8323 / Speaker: TBA





INLAND KOI SOCIETY  
5198 ARLINGTON AVE., #146  
RIVERSIDE, CA 92504

Return Service Requested



Milfelds' Nursery  
2550 Adams Street  
Riverside 92504

Visit our website:

[www.inlandkoi.org](http://www.inlandkoi.org)

*Greetings, Koi Friends! It's Auction time again!*

**Inland Koi Society hosts its seventh**

## **Koi Auction and Used Equipment Sale**

**Saturday, June 1, 2019**

**at Milfelds' Nursery  
2550 Adams Street  
Riverside 92504  
(one mile south of 91 Freeway)**

**Preview & Registration 9am  
Equipment Sale 9:30am - Noon  
Auction 10am - 2pm**

**Equipment to sell? Questions?  
Contact Nick Milfeld  
NickMilfeld@inlandkoi.org  
951.780.7395**



**\$5 Bid Paddle  
includes Lunch**

Bring boxes to support  
the Koi you buy.  
Cash & Checks only

Only Koi from IKS  
members will be  
accepted for sale.

Visit our website: [www.inlandkoi.org](http://www.inlandkoi.org)