



The Inland Koi Connection



THE OFFICIAL
NEWSLETTER
OF **IKS**
ISSUE 306
JULY 2024

SUNDAY 7/28/24

WWW.INLANDKOISOCIETY.ORG

IKS POTLUCK MEETING 3:00 PM

LATE START FOR SUMMER

SUNDAY, JULY 28TH 2024

HOST: STEVE AND LAURA NYIRADY

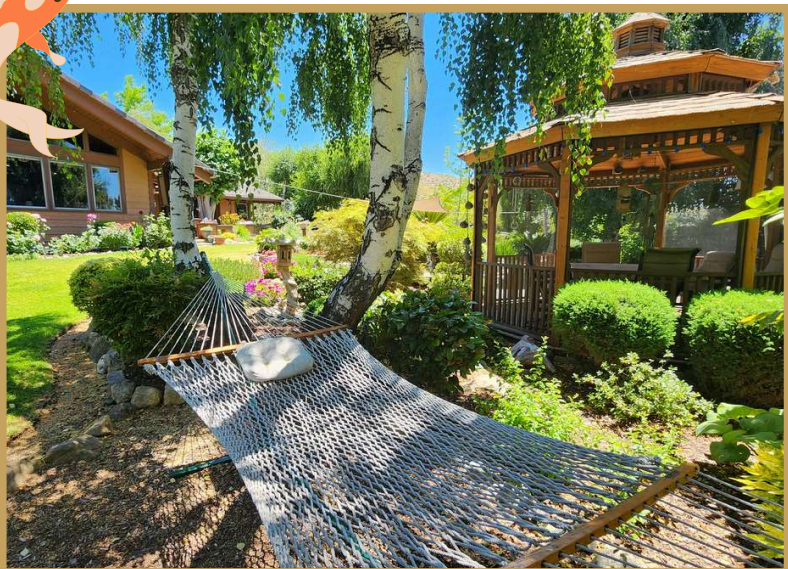
38431 ACORN WAY

YUCAIPA 92399-9712

STEVE : 909.260.3160

LAURA: 909.855.4641

BRING FOOD AND CHAIRS!!!



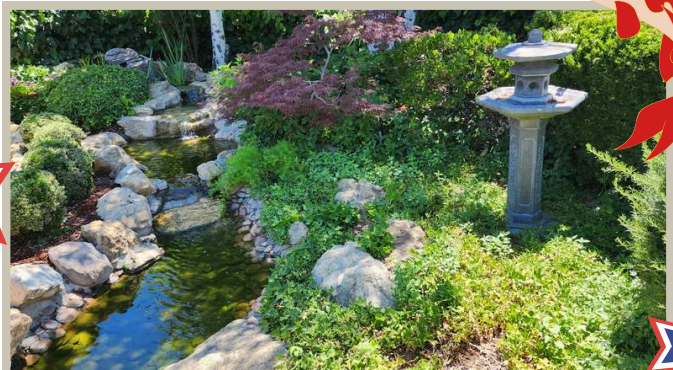
For our July meeting, we will be traveling “**up the hill**” to visit the **fantastic yard and ponds** of **Steve and Laura Nyirady** in Yucaipa. Our last visit there was in September 2022 and we have always had great meetings at their place.



Steve and Laura have a large yard with **several ponds** and an **extensive garden** where they grow their fruits and vegetables. Their pond is actually 3 ponds on separate filtration systems but appear as **one beautiful multilevel series of ponds** connected by a 45 foot stream. **A hot summer advantage at the Nyiradys' beautiful home** is that we can count on slightly lower temperatures due to their elevation of 3800'



Remember to **bring chairs and a tasty dish** to add to our delicious potluck. **We look forward to seeing everyone on July 28!**



At this meeting, **Steve** will discuss some of the challenges he has had with the filtration systems, **he is a koi veteran** and this is their second house where they have maintained a pond. Our guest speaker for this meeting will be Eric Triplett, otherwise known as The PondDigger, who will speak to the club about hydroponic gardening.





After a pleasant spring, the summer heat has arrived. There are several topics of concern as the water temperatures rise.

Sometime in mid-summer, Koi may spawn. Experts say this is based on length of daylight hours, water temperatures, and changes in the water chemistry. We know that Koi removed from their ponds and taken to summer Koi shows often spawn, so water chemistry changes certainly can be a trigger. Usually when one female is ready to spawn, all the rest of the Koi will join in. It is sometimes a brutal process, with the boys ramming the girls against any hard surface to expel her eggs. Even before actual spawning, which usually occurs at night, you may observe a lot of 'chasing' going on in the pond. If you have rocks or hard equipment in the pond, abrasions and injuries may occur.

After spawning, it is best to do a large water change to dilute the foam, and then carefully observe and check all Koi for red areas or injuries. K.O.I. recommends adding a gallon of Ultimate to the pond immediately after the water change, which will replace slime coat and help prevent secondary parasitic or bacterial infections. If you do nothing, any eggs not consumed by the adults will hatch in about 3 days. Koi will eat the eggs and new hatchlings until they are free-swimming. Depending on the parents to remove all the eggs is unwise, especially if you have a smaller pond. Even a small number of hatchlings can destroy the water quality in the pond very quickly.

To de-activate the eggs and prevent a hatch (the eggs will still be nutritious, and will provide excellent protein when consumed by the larger Koi), Potassium Permanganate (PP) may be used at a dose of 1 ppm. **WARNING! If you have never used PP, or do not have a very accurate gram scale and the ability to do the math to calculate the exact dose, seek an expert to help you! PP can and will kill everything in the pond if dosed incorrectly.** It will stain everything it touches, and one drop in your eyes will cause irreversible blindness – so wear eye protection, calculate the dosage at least twice (and maybe ask a friend to verify your calculation) – and be careful! There is much written on the safe usage of PP – read the K.O.I. web site articles!

Warmer water temperatures are ideal for Koi growth and this is when young Koi (under 6 years old) need lots of high-quality food. You should distribute the total quantity of food over several feeding times a day, but only as much at any one feeding as will be eaten in a few minutes. Excess food will increase ammonia formation at a time when there is less dissolved oxygen because of the heat. Remember that there is a lot of natural food in the pond including algae, insects, Koi eggs, etc. and your Koi will seek these out. K.O.I. recommends that you never change your Koi food – use one high-quality feed all year, but change the quantity fed depending on water temperature.

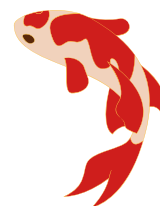
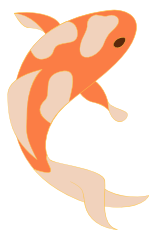
Ideal water temperature for Koi is about 75 degrees. Pond temperatures over 85 degrees F. (and under 45 degrees) are very stressful for the Koi.

Higher water temperatures will cause the proliferation of parasites, because their life cycle is based on water temperature, just as the Koi metabolism is. High water temperatures actually reduce slime coat (just as very cold water does), and with reduced slime coat, the Koi are more stressed and more susceptible to the higher number of parasites and bacteria in the water. Watch for flashing, isolating, and gasping at the surface and/or wherever oxygen enters the pond. It may be necessary to cool the pond if temperatures continue to remain very hot. For a bit of cooling, try freezing two-liter soda bottles filled with water, and allow them to float in the pond. Increased water changes may also help drop the water temperature and dilute any pathogens. Monitor water temperature with a thermometer. Shading will help. In the summer, water will evaporate very quickly. Be very careful if you use an automatic water filler (like the ones in a toilet tank) as the larger amount of water needed to offset evaporation will require more dechlorinator. It may be quite difficult or impossible to estimate how much water has been added, so always use more dechlorinator than you think you need. Long term exposure to even tiny amounts of chlorine or chloramines is extremely harmful to the Koi.

If you simply replace the evaporated water (without a water change), minerals (such as calcium) build up which will increase the water hardness and raise the pH. Remember that a higher pH increases the toxicity of any ammonia (which will automatically increase with more feedings). Test your water for ammonia and nitrites frequently all summer!

Dissolved oxygen levels fall as temperatures rise, because warm water can hold less oxygen. In addition, plants use oxygen for respiration at night, so O₂ levels are the lowest in the morning (which is when to measure O₂ if you have a meter). **Don't shut off your waterfalls and fountains at night, even though you can't enjoy them, as they are crucial for nighttime oxygenation and dissipation of dissolved CO₂.**

The summer is when we get to enjoy our ponds and Koi the most. Remembering these tips will ensure a happy and healthy pond this summer. It won't be long before cooler weather will be upon us and we will be wishing for the warmer water of next summer.





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@inlandkoi society.org
- **Theo Zoetemelk** ~ 951.735.9896
@inlandkoi society.org

Upcoming Events

07

28~ IKS potluck meeting
3:00 pm

Steve and Laura Nyirady
38431 Acorn Way, Yucaipa
92399-9712

08

No August Meeting!!!

09

08~ IKS Board Meeting
5:30 PM

Nick and Peggy Milfeld

Interested members are welcome to attend, but please call hosts to let them know beforehand, 951.892.4269

09

22~ IKS Potluck meeting
3:00 PM

Steve and Kelly McHan
Loma Linda CA

10

27~ IKS Board Meeting
12:30 PM

Francine Hoffman

Interested members are welcome to attend, but please call hosts to let them know beforehand, 951.781.8209

10

27~ IKS Potluck meeting
2:00 PM

Francine Hoffman
Riverside CA



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Barstow Koi Meeting



Monica Dirac's fish
from Barstow Koi

The Inland Koi Society got to enjoy a meeting of a different type in June. Instead of visiting a fellow member's home and pond, we got to see a close up look at where our fish come from at the **Barstow Koi Farm in Newberry Springs.**

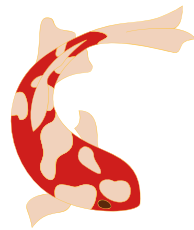


Loni Vogler's fish
from Barstow Koi



The weather was appropriate for late June, the 21 **IKS** members that attended got an early start to beat the heat and most arrived near the 9 am start time. **Ken Liu, the owner,** has constructed several more buildings since the last time we visited several years ago. Due to the heat (it was 104 when we left) most of us were content with checking out the fish, and no one ventured out to the far reaches of the property to see the ponds. The buildings each have their own color, the purple building had the "**Cadillac**" fish and many members found their **new pond buddies** there, although there was plenty to choose from in the other buildings. Ken didn't feel the need to make a speech or presentation but made sure his employees were available to help select and bag fish.

At about 11:00 the **barbecue** was fired up and one of Ken's friends put beef short ribs cooked in a **Korean style marinade on the fire** for all of us to partake, along with **salad and an Asian style dressing.** By then most of us had selected our fish, and it was time to "check out" our selections with Ken and head back down the hill.



A huge thank you to everyone who showed up to this event, and an even bigger thank you to Ken Liu for allowing us to tour his amazing Koi Farm



July 2024

Coming August 4!



Live! From the NWKGC Koi Show!

Enjoy the beautiful Koi!

Learn about: •

- Secrets of Show Water Quality
- How to properly Net and Bowl your Koi for a health checkup
- How to Safely Move your Koi
- How to Set up a Temporary Tank to hold Koi, for a short time, Without a Water Pump
- How to make SURE you have Enough Oxygen
- Valuable Techniques for Biosecurity you can use at home

NOTE – Time and date subject to change!
Check the K.O.I. web site for latest info

12 Noon EDT, Saturday

Check for your K.O.I. email invite, or see your club rep for Zoom join code!



Spike Cover Award Applications OPEN!

Do you know an outstanding Koi Keeper?

Nominate someone for the Spike Cover Award!

- One award given each year for Lifetime Achievement in the Koi Hobby
- 2023 was the inaugural year
- Any K.O.I. Member, or any member of a K.O.I. Member Club can make a nomination
- Nominations are SIMPLE! Send a paragraph about why you think the person is deserves the award
- Voted on by previous winners and the K.O.I. staff
- No one can receive the award twice
- Learn more at the K.O.I. web site:

<https://koiorganisationinternational.org/spike-cover-memorial-awards>

- **NOMINATIONS DUE SEPT 1, 2024**
- Email pattist@snet.net



TIP OF THE MONTH

You can waterproof many things!

- Did you know that there is Liquid Rubber that you can paint on pipes, fittings, and nearly any hard equipment?



- Herco Fish Pond Coating by Hecht Rubber Corp H55 (buy direct from Hecht for best pricing)
- Black, so anything coated with it is nearly invisible in the pond.
- Koi SAFE!
- Great for hiding after-market bottom drain piping!

Read the K.O.I. ebook: Know Your Piping:

<https://koiorganisationinternational.org/product/know-your-piping>

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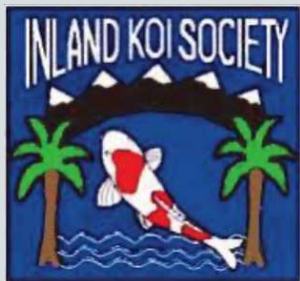
Closed on Sundays

Thank you to **Chien Lee**
of **Nijikawa USA** and to
Iva Gaglione of Ultra
Balance for supplying the
Inland Koi Society with a
supply of nutritional koi
food for its rehoming
program!!!



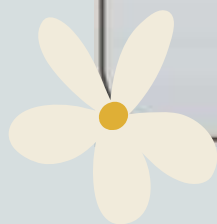
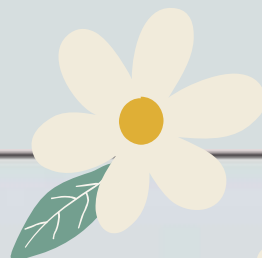
Thank You!!!

We are in need of
someone with enough
space to house rescue
fish!!! Please see **Scott**
Zehm for more
information.



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

Return Service Requested



Visit Our Website: www.inlandkoisociety.org