

The Inland *Koi Connection*



THE OFFICIAL
NEWSLETTER
OF **IKS**
ISSUE 316
JUNE 2025

SUNDAY 6/22/25

WWW.INLANDKOISOCIETY.ORG



IKS GENERAL-POTLUCK MEETING

2:00 PM

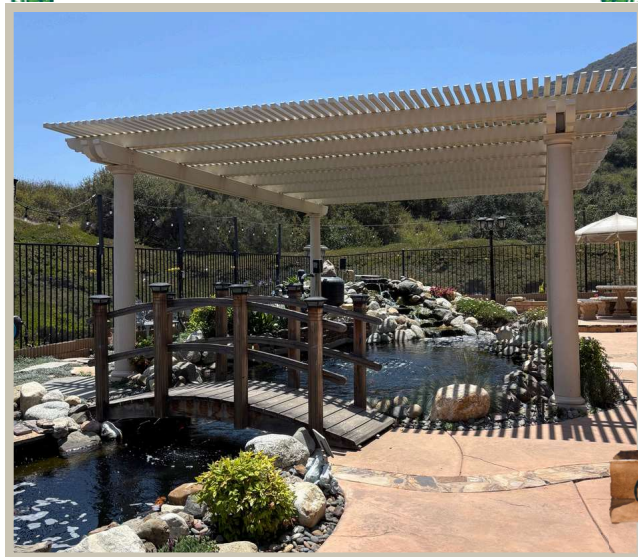
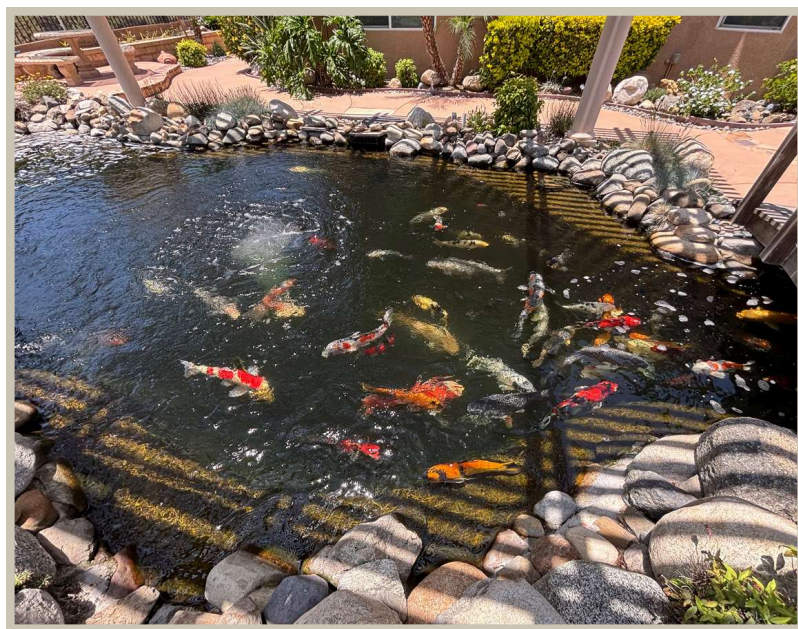
SUNDAY, JUNE 22ND

LINDA KUSHNER

951.520.0092

1556 VANDAGRIFF WAY,
CORONA 92883

**BRING CHAIRS AND A DISH
FOR THE POTLUCK!**



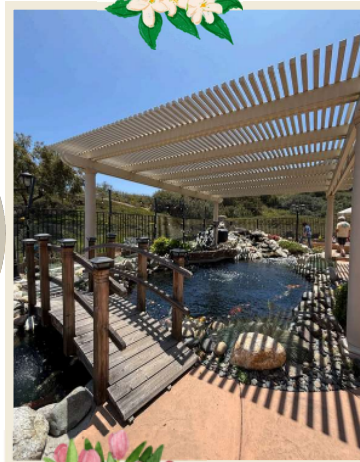
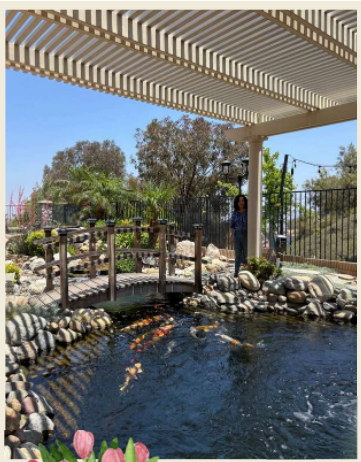
What better way to kick off the summer season than with a visit to the home of longtime member **Linda Kushner**! We last had a meeting at this pond way back in September 2021.



She has tentatively scheduled her pond service, **Gold N Koi**, to speak at the meeting, but does not have confirmation that they can be there on the day of our meeting. In the event they cannot come, we will conduct a **"Panel of Experts"** instead. **The potluck/meeting start time is 2pm**, **Please bring chairs**, there is plenty of shade throughout the back yard. We will conduct a **board meeting prior to the general meeting** beginning at **12 noon**. All members are welcome. We could use an extra hand or two to help run this wonderful club!

Linda's beautiful home and pond border the Cleveland National forest in the hills of south Corona. **Linda**, with her husband **Ed** (1957-2023) bought the house in 2001 and added their first pond a couple years later. When they realized they needed more information on the koi hobby they did what many sensible koi owners do—they **joined our club**! The latest iteration of the pond, a 17,000 gallon masterpiece with a concrete liner, bottom drains, vortex and many other bells and whistles came to fruition in 2016.

Linda counts 35 koi fish and one very large albino catfish as her fishy friends and mentioned that a friendly gray **Chagoi** is her favorite. Among her favorite things about the pond are the **tranquility** it offers and the sound of the waterfall through the open windows upstairs.



Please do not park in the driveway: drive up to drop things off, then park on the street. Handicap parking only at the top!



Will your Anoxic Filtration System have plants or not? There are advantages to both.

Planted baskets are more aesthetically pleasing to view than the top of a bare basket and are more efficient in the removal of ammonia. Planted baskets are excellent if you wish to have a bog garden as part of your filtration system. They can also be placed in a koi pond if you can keep the koi from disturbing the plants and media. Disadvantages of planted baskets include more frequent replacement of the Laterite or Ironite 1-0-1 and, because they are open to the elements, more frequent removal of debris and sediments. Planted systems can be of any shape or size to suit available space. A depth of 600mm (24”) will suit a wide range of common aquatic plants.

Unplanted baskets, in a well-designed system, can go for a year, and maybe much longer, with minimal maintenance. There is some evidence that the Laterite may last up to ten years before needing replacement. Unplanted baskets do not need sunlight or an air supply. All the unplanted baskets need is a water-tight container with a cover to keep out debris. The container can be of any depth and the baskets may be stacked. Some suggestions for a location of an unplanted anoxic system include under a deck, in a garage, in a separate structure and below ground level. Selecting a location is left to the ingenuity of the pond owner.

There should be one basket per adult koi. (What size is an adult koi?) Having too few baskets will not provide the benefits of anoxic filtration. If in doubt, have more baskets; you cannot have too many.

The optimal size of a basket is 30cm x 30cm x 20cm (12” x 12” x 8”). Smaller baskets may be used although they will not have as much area for anoxic conditions to develop. Larger baskets tend to be too heavy when wet. Kidney shaped baskets are useful for placement in a round container. The baskets need to have mesh on the bottom and sides.

Water needs to flow around all six sides of the baskets. Allow a small space between the sides of baskets to allow for water flow. For the bottom baskets and stacked basket add spacers (such as PVC) to allow water flow. Water flow rate can be as fast as possible if the media is not disturbed.

It is highly recommended to have a good prefilter to remove as much debris, fish waste and suspended solids as possible. The better the prefilter, the less maintenance that will be required.

To fill the baskets, you will need a non-clumping clay and an iron-rich attractant. (The recommendations listed below are available in the USA. Substitutes are available in other countries.) For the clay, Special Kitty Litter from Walmart. This is non-scented and non-clumping. A 20lb. bag will fill about 1½ 12” baskets. For the iron-rich attractant, Ironite 1-0-1 by Pennington, available at most garden centers.

Fill the basket half full of the clay. Make a depression in the center, add about 1 cup of Ironite 1-0-1 for a 12” basket. Finish filling the basket with clay. Gently and thoroughly wet the clay to settle the dust and prevent clay particles from floating out of the basket when submerged. Add plants if desired, taking care not to disturb the Ironite in the center. Then place the baskets in the filtration container.

Here is the highly- simplified way Anoxic Filtration works:

Due to the different polarization of the Ironite and the ammonia, the ammonia is drawn to the Ironite. Simply, the Ironite acts somewhat like a magnet. Water does not flow through the basket nor is it drawn to the center of the basket.

There are certain types of bacteria, here collectively called facultative bacteria, which can function in either an aerobic or in an anaerobic environment. Since the center of the basket is anoxic, there is not enough oxygen for nitrification to take place. So, the bacteria convert ammonia directly to nitrogen gas which dissipates. Also, this same group of bacteria will obtain oxygen from any nitrite, nitrate or phosphate that may be present thereby reducing those levels with the resulting by-product being harmless gases.

John Seifert, CKK

IEWGKS, Spokane Washington

The anoxic filtration system was designed and developed over many years by Kevin Novak, Ph.D. More information on Anoxic Filtration by Syd Mitchell is available at www.mankysanke.co.uk Home and from Koi Organization International 311 Anoxic Filtration | K.O.I.

Many thanks to Dr. Novak and Syd Mitchell for providing information for this article.



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Upcoming Events

06 22 ~ IKS Board Meeting

12:30 pm

Linda Kushner

Interested members are welcome to attend, but please call hosts to let them know beforehand, 951.520.0092

06 22~ IKS General/Potluck meeting

Linda Kushner

1556 Vandagriff Way Corona,
California 92883

07 27 ~ IKS Board Meeting

12:30 pm

Rob & Deanna Fales

760 La Cumbre Street, Corona 92879
Interested members are welcome to attend, but please call hosts to let them know beforehand 951.279.0181

07 27~ IKS General/Potluck meeting

3:00 pm

Rob and Deanna Fales

760 La Cumbre Street, Corona 92879



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June 2025

PONDSIDE Presentation!



Coming Saturday, June 28!
How do you reduce Nitrates?

Learn about Anoxic Filtration:

- 2 Real World Ponds
2 Koi Keepers with different expertise describe how Anoxic was installed on their ponds
- Learn how Water Quality was improved
- Get their findings and recommendations based on experience
- Note - Nitrates are said to diminish Koi skin quality. Other than water changes and plants, there are very few ways to reduce Nitrates – until NOW!

12 Noon EDT, Saturday

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



ARTIST WANTED!

- Stained Glass, Painting, or Other Media
- Paid Commission – price to be negotiated
- Design & Execute 2025 Spike Cover Award
- Email pattist@snet.net

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

Don't take pond temp at surface

- Use a Sinking Pool Thermometer to determine the water temperature at depth



- Feed Koi THE SAME FOOD YEAR ROUND
- Change QUANTITY according to water temperature
- Remove any food uneaten in 10 minutes
- Koi have no stomach – just a long intestine:
Thus, Koi prefer many small feedings, not one large one

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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!!!



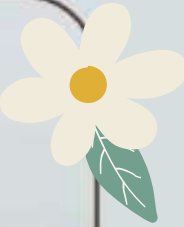
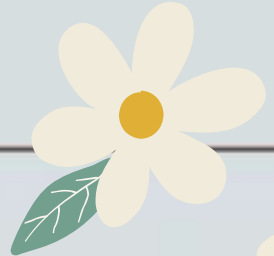
**HAPPY
FATHER'S
Day**





INLAND KOI SOCIETY
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Return Service Requested



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