

The Inland Koi Connection

THE OFFICIAL NEWSLETTER OF IKS • ISSUE 289 • NOVEMBER 2022

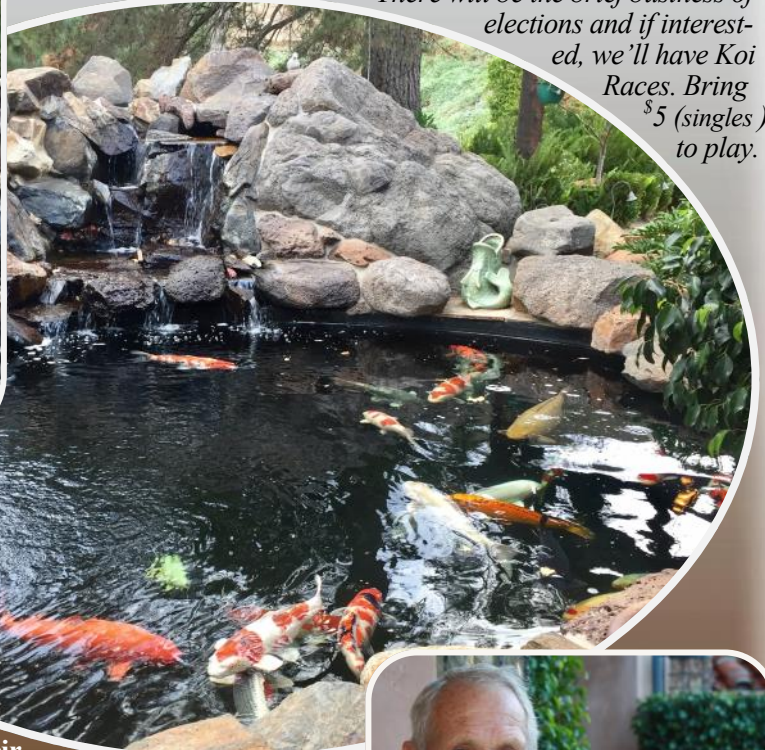


Sunday, November 20 Potluck Meeting
Hosted by Jerry & Pat Mall ~ 2-5pm
43024 Via Las Rocas, Temecula 92590 ~ 951.506.4814

► **RSVP by Sunday eve, 11/13 ~ call the Milfelds 951.780.7395** ◀

Jerry & Pat Mall have hosted our November meeting for 13 years: it has become a tradition, and everyone loves exploring their property. This meeting is a little different in that we don't need to bring chairs: seating is provided at tables, indoors; we just bring all the fixings but the turkey, which the Malls prepare.

There will be the brief business of elections and if interested, we'll have Koi Races. Bring \$5 (singles) to play.



Twenty-two or so years ago, the Malls moved to this hilltop to a more private world, and this 20-acre avocado & citrus farm above Temecula seemed to be the perfect site for a new home. Here they pursue their personal passions: travel is one, and Pat's wildlife photographs adorn the walls.

Maintaining the 12,000-gallon koi pond is simplified by its design, and Jerry usually offers a tour of his pump house. It's full of Lim Pumps, Nexus filters, bubble bead filters, and large UV sterilizers. ...

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NOTES FROM IKS BOARD MEETINGS

- **The IKS Board** met this month at the Leveretts' for dinner and planning. Alvin was excused for family illness; Scott, for traveling.
- **Meetings:** November is set at the Malls', and as usual we will not meet in December. In January we will follow tradition, meet in the Leveretts' garage, and enjoy an AV program. Contact Brenda Aker to offer your pond for a visit. The Board meetings will be hosted as follows: 12/4 by Theo, 1/8 by Scott, 2/5 by Ed, 3/5 by Nick, and 4/9 by Theo again.
- **Treasury:** We continue to study storage options as the monthly rent for a 10'x20' unit is not sustainable; as with housing, ownership will be better than rent receipts.
- **Rescue:** Ed has about 25 QT koi available; he would like to offer them for sale on Craig's List or such, asking \$50-\$200 depending on size and quality. If you can rehome a koi, contact Ed Kushner—he's home again and looking much stronger, healthier.
- **Koi Auction:** We will set a date in October to hold what may be our last Auction at the Riverside location. The Auction & Used Equipment Sale requires about 40 workers — it is a whole-club exercise needing the commitment from almost every member.
- **Elections:** After three years with no changes in the makeup of the Board, an election is important: we need/want to get some new people involved in the planning of club activities. And we have some who need/want to retire, but no one will replace them. Nominations may be made from the floor before balloting.
- **Website:** Our website needs a local webmaster. Is there anyone who has experience maintaining a site? Needs a monthly posting of the newsletter and occasional updating....

**Members wishing to attend a Board mtg. should let the host know.*

11/6	IKS BOARD MTG ~ 5:30pm / Host Larry Leverett , 5349 Jasper Lane, Riverside 92506 ~ 951.781-3887
11/20	Potluck Mtg ~ 2-5pm ~ Hosts Jerry & Pat Mall , 43024 Via Las Rocas, Temecula 92590 ~ 951.506.4814 ~ IKS Annual Thanksgiving Feast. RSVP by 11/13, call Milfelds
12/4	IKS Board Mtg ~ 5:30pm ~ Hosted by Theo Zoetemelk , 1407 Second St., Norco 92860 ~ 951.735.9896 <i>Interested members are welcome: call ahead to confirm.</i>
1/8 2023	IKS BOARD MTG ~ 5:30pm / Host may be Scott Zehm
1/22 2023	HAPPY NEW YEAR! Potluck Mtg ~ 2-5pm ~ Hosts Larry & Debby Leverett , 5349 Jasper Lane, Riverside 92506 ~ 951.781-3887

Welcome to our Newest Members ~ look for unfamiliar faces and greet them!

- Eric, Wyatt Rice ~ Charlene Peters** (4/22)
 - Paul & Angel Palacios** (2/22)
 - Howard & Kimberly Newton** (12/21)
 - Richard & Janna Grushen** (10/21)
 - Raymond Aguilar** (9/21)
 - David & Belinda San Jose** (9/21)
 - Jason & Kristine Zara** (9/21)
- Look for these members & welcome them back:*
- John & Cricket Mouw ~ Riverside
 - Chuck & Ping Hille ~ Riverside

Missing a badge? The last order of original style badges was received 4 March 2020. The following badges are at the registration table:

- Armand & Eve Blais**
- Ben Israel**
- Jerry & Pat Mall**
- Kelly McHan**
- Frank Painter**

2022 OFFICERS & DIRECTORS

Officers

- Ed Kushner**, President 951.520.0092
Koi Re-Homing ~ Web Liaison
- Brenda Aker**, V.P. 951.316.0263
Meeting Sites & Speakers
- Monica Dirac**, Secretary 909.887.7497
- Nick Milfeld**, Treasurer 951.780.7395
Membership
- Peggy Milfeld**, Editor 951.780.7395

Directors

- Rob & Deanna Fales** 951.279.0181
Raffles ~ Koi Re-Homing
- Larry Leverett** 951.781.3887
Properties Manager
- Linda Kushner** 951.520.0092
- Alvin Watson** 951.764.6387
- Scott Zehm** 951.237.2508
- Theo Zoetemelk** 951.735.9896
Buffet & Banquet Supplies

Continues from front page...

There are air pumps for the Nexus filters and for the domes on the bottom drains. Designed by one of Jerry's employees, the pond took 1½ years to build. Their fish are beautiful and huge, but they have lost their 2010 Koi of the Year, a *Tancho Showa*, also voted AKCA Koi of the Year that year.

Guys, you might sneak to the downstairs garage to see what cars are in residence. Cars and garages have been a foundation of the Malls' life: they owned K&N Filters and were heavily involved in nearly every form of motorsports, even having their own racing team. Jerry used to drive a Dodge Viper, but in his last race, doing over 220mph, as he was slowing to 170 the motor blew. The car flipped several times, yet Jerry walked away unhurt! He backed off the racing and is now comfortably retired.

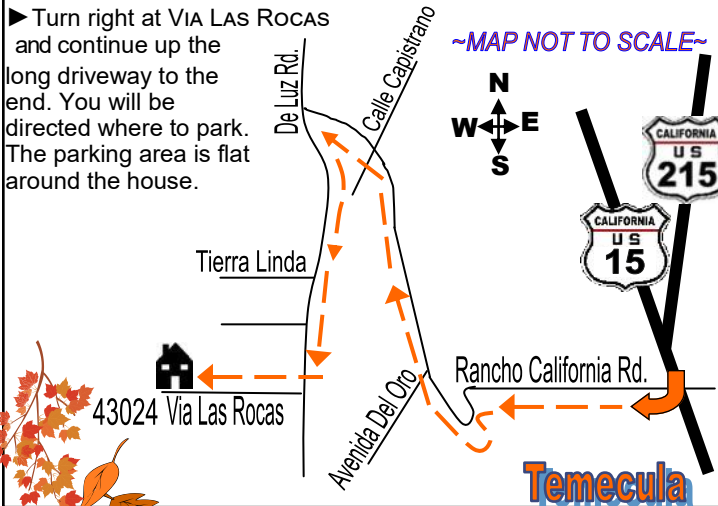
Come to celebrate with koi friends, and test out a new recipe on us. We do not meet in December. ☺

DIRECTIONS:

- ▶ Use I 215-15 South, or I 15 North
- ▶ Exit I 15 onto RANCHO CALIFORNIA RD. and head west.
- ▶ Turn left at the "T" onto DE LUZ RD., continuing past two dips in the road.
- ▶ Turn right at VIA LAS ROCAS and continue up the long driveway to the end. You will be directed where to park. The parking area is flat around the house.



K O I P O L E S



~MAP NOT TO SCALE~

**RSVP DEADLINE
SUNDAY EVENING, NOV. 13**

The options and sign-ups so far are listed here:

- **Stuffing or Potatoes ~ mashed, yams, cheesy....**
Leverett, McManigal, Zara: Mashed Potatoes
 _____: Stuffing
- **Vegetable Dishes ~ all the family favorites....**
Broomfield: Glazed Carrots; BHenry: Butternut Soup
Nyirady: Butternut Squash; Wolf: Corn Casserole
- **Salads, any kind ~ green, fruit, molded....**
Dirac: Potato Salad; McHan: Green Salad
Milfeld-Applesauce; Palacios: Salad
- **Muffins, Rolls, Breads....**
Zoetemelk: Hawaiian Rolls;
- **Desserts, any kind and all the favorites!**
Mouw: Cookies; Rhodes: Cake or Cookies;
James: Apple Pie; _____: Pecan Pie; Aker: _____
Watson: Banana Pudding;

● **Other Items, including Appetizers....**

- Mall: Turkey & Gravy; Hoffman: Ham
- Kushner: Relish Plate

[If you missed the deadline, don't feel you can't attend! Extra seats are planned, but the RSVP is a courtesy to our hosts. And feel free to fill in what look like blanks in the menu....]

Members signed up as of 11/10:

Aker	1	Mouw	3
Blais	2 (?)	Nyirady	2
Broomfield	2	Palacios	2-5
Dirac	1	Poyle	2
Hanson	2	Rhodes	2
B Henry	1	Rowland	1
Hoffman	2	Erika Vasquez	2 ½
James	2-3	Watson	4
Kushner	2	Wolf	4
Leverett	2	Zara	2
Marrin	2	Zoetemelk	5
McHan	2		
Milfeld	2		
		Total to date	50-56

The Importance of Feeding During Winter

By Karen Pattist, K.O.I.

There are many myths about Koi Nutrition, so here are some scientific facts behind K.O.I.'s feeding recommendations. Let's look at the myth that koi should not be fed when water temperatures are below 50 degrees F.

Koi have evolved over millions of years to need a period of fasting, and even the top Japanese breeders who want to maximize growth are fasting their koi for at least a month over the winter. Duration of the fast varies, depending on with whom you talk, but all seem to agree that 1 to 3 months is ideal.

Remember that koi are Poikilothermic (or cold-blooded), which means that their body temperature is completely controlled by their environment. So their metabolism is slower when the water is cold, and faster when the water is warmer.

Koi also live in an oxygen-poor environment. Air holds 21% oxygen, while water holds only 0.0009% at 70 degrees F. Koi have no stomach, just a long gut. These facts influence the ability to digest food. And finally, koi need more protein in their diet than most mammals. Humans require 10-15% protein, dogs require 15-27%, cats require 30%, catfish require 32%, but carp require 35%! (*R. Strange, 2006*).

In one study, koi were offered a variety of protein feeds at different water temperatures, and they never selected low protein food, even in the coldest water. Koi have evolved to prefer high protein food at all water temperatures.

Plant based foods such as wheat germ should not be included in the koi diet, ever.

Koi food produced from plant sources contains some protein, but not enough of the essential amino acids required by koi. Plant based foods such as wheat germ should not be included in the koi diet, ever. Fish meal – specifically from high quality Capelin, Anchovy, Herring and Menhaden should be the first ingredient of koi food. Fish Meal

is different from White Fish Meal, which is a by-product, and has a higher ash content and lower protein content, making it less digestible by carp. White Fish Meal also increases waste in the pond.

Based on the above scientific evidence, K.O.I. recommends that koi be fed the same, high-protein feed year round, and only the quantity should be changed depending on water temperature. Koi food does not rot in the koi's gut at low water temperatures – koi will simply not eat what they can't digest, but uneaten food will foul the water unless quickly removed.

Feeding in cold water should only be done in extremely low quantities – one to two pellets each – and never more often than once a week.

Thus it is ideal to offer our koi one or two (really – one or two!) pellets each, if and only if they are swimming near the surface, and are actively looking to feed, when water temperatures are below 50 degrees. Feeding in cold water should only be done in extremely low quantities (one to two pellets each, remember?), and never more often than once a week. This does not disturb their fast, but will substantially improve their health as they are coming out of winter, and has been shown to help them start eating earlier in the spring.

To learn more about the science behind *Koi Nutrition*, attend the upcoming Pondsides presentation by Syd Mitchell on November 12th. Pondsides presentations are available to members only. If your club is a K.O.I. Member Club, then you may also be able to attend the Pondsides. K.O.I. offers an excellent Powerpoint presentation that may be given to your club, which includes all the facts in this article – plus a whole lot more.



We had 43 show up at **John & Cricket Mouw's** home in October, and they were ready for us! In the kitchen, it looked like Cricket had been cooking all weekend—which she does regularly to prepare a week's worth of meals in advance. She had pans of



mac'n'cheese, ribs, cole slaw, platters of cookies, and a waffle bar with several toppings.

And then members covered the table with so many other options... there was NO lack of food!



The Mouws have quite the little ranch here in Riverside, complete with chickens, pigs, horses and donkey. I was really impressed by their hummingbird station, a canvas umbrella atop a sturdy pole with various feeders mounted under it, shaded and protected. What a great idea!



The Covid Years forced major delays on house projects, but by the time we arrived the key addition was finished — a huge

covered patio, its peaked roof an extension from the house, with corner sofas and other comfy seats, all overlooking the stables. Cricket sat on the patio wall as she explained the little pond they have and the dream they want to build,

which became a great interactive open-mike discussion of pond design as she sought advice from the club members. Ideas and good advice flowed freely, but finally it was suggested she invite a core group of our "experts" to a serious work session, having them review and fine-tune what plans they've drawn up.

[It struck me as a fun meeting idea, to put up a big drawing of a pond design, maybe with printed copies for everyone, and lead a troubleshooting session to see how many flaws and improvements the members could identify.]

Our guest speaker took the same seat to talk about "Pond Automation." One of our newest members, **Paul Palacios** (joined 2/2022) has been a pool contractor for 30 years. He has been looking at all the new technology being used in pool design and wanted to integrate it into pond design. Today, when you can control your "smart house" from your mobile phone, it doesn't seem too much of a stretch to have a single system to control all and monitor a pond, too. A few of the innovative points he made included:

- Variable speed pumps are common, but now *vari-flow* pumps can communicate seamlessly with a phone. Dial in your flow rate and the system will maintain it, even when the filters need attention, by ramping up the flow rate. The system could maintain a set turnover rate.
- Remotely monitoring water temperature so that, when it reaches a set temp, a waterfall increases its flow for more aeration.
- Put your zip code into a program to monitor sunrise or sunset to schedule lighting.

After his talk, Paul shared more with a small group as members had more dessert, explored further, and waited for the raffle. Looking forward to seeing even more of you at next month's meeting!



Pardon my error...

Dear IKS Members,

For the October newsletter –and for the September issue as well -- I did a lot of reading on the subject to gain my own understanding of the Anoxic Filtration system. For the follow-up article in this month's issue, which I hope you find interesting and helpful, I failed to name my source(s). That error I would like to remedy here.

The article is a condensation of an article that appeared in *Pond Trade Magazine* (<https://www.pondtrade-mag.com/anoxic-filtration-is-it-a-bog-filter-part-1/>) in May 2011, with definitions and other insight garnered from questions that I “Googled” and from numerous other websites. I later found a similar or the same article on a British site, mankysanke.co.uk. The two photographs were online images found as I looked for illustrations, and were seen again on mankesanke. There was also an introduction to and discussion with Kevin Novak Ph.D., the designer of the Anoxic Filtration System, on Koiphen.com in January 2007, which I found most interesting, especially since this system has been around since then, yet most of us have never heard of it before. Anyway,....

What I have learned since, and been thoroughly reprimanded for omitting, through ignorance, is that the **original article was authored by and should have been credited to Syd Mitchell of K.O.I.** My humble apologies to Mr. Mitchell; it was a fascinating article very clearly explaining a complex subject.

If anyone would like to learn more about Anoxic Filtration, K.O.I. offers a course on it, taught by Syd Mitchell; all info about the course can be found on the K.O.I. website, koiorganisationinternational.org/courses. There are many other courses listed there to help you become a better and more successful koi keeper.

Respectfully, Peggy Milfeld, Editor 10/2022

Footnote:

It was interesting to have Orville comment on the above referenced article and share that this is no new system: he had been using Anoxic Filtration some 40 years ago. Quite successfully, too....

IKS ELECTIONS 2022

IS IT YOUR TURN??



Elections will take place at this meeting to fill the **2023 term**. I'd like to share a few caveats from the club Bylaws regarding the offices....

First, know that members who are owners of koi-related businesses cannot serve as officers. This is primarily breeders, builders or retailers, but we don't object to pond maintenance. The 'pond guy' is okay ;)

Second, **Prez** and **VP** are elected to a 1-year term, but can serve a second. **Secretary**, **Treasurer** and **Editor** serve 2-year terms, but can extend three times. [*That's a total of eight years, and some of us have extended well beyond the limits because no one is willing to take the job.*]

Third, seven **Directors** are elected for 2-year terms, with a max of four consecutive terms. [*That's another total of eight years, and many of our Directors are maxed out.*]

Fourth, a brief review of duties: The **Prez** presides at all meetings, with **VP** taking over in his/her absence. **VP** acts as Program Chairman, confirming hosts and speakers, with help from the rest of the Board and with the Members' input. **Secretary** takes minutes at the meetings. **Treasurer** keeps the checkbook and gives a monthly written report to the Board; also works with Prez to make sure new member packets include Bylaws and membership Directory. [*If you never received a packet, let them know.*] **Editor** sends out notices of meetings, i.e., the newsletter, but does NOT have to keep the current format. [*But such notices cannot be only by email because not all members have email.*]

Taking an office means adding a two-hour Board meeting with dinner on a Sunday night to your schedule, taking your turn hosting the meeting as possible. You'll note that several couples work together on the Board, sharing their common interest and making it a monthly night out with good koi friends! It's a small commitment to keep a great club going.





K.O.I. News!

Koi Organisation International
Current Accurate Useful

November 2022

Get a Scholarship to Become a Certified Koi Keeper (CKK)

The knowledge you gain will help you and your local club and pond owners, and especially YOUR Koi.

What you need to know:

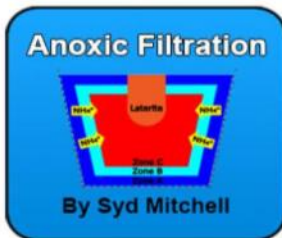
- Limited time to apply
- First come, first served
- On-line signup only
- November 1-15
- K.O.I is giving 10 scholarships
- Requires upfront fee of \$100
- Read all the requirements before applying



Learn more:

<https://koiorganisationinternational.org/certified-koi-keeper-scholarships>

Anoxic Filtration Course Offering



- Anoxic Filtration will be offered again in December
- This course is only offered a few times a year – don't miss out!
- Learn more and sign up:
<https://koiorganisationinternational.org/courses/anoxic-filtration-311>

November Pondsides Koi Nutrition

Speaker: Syd Mitchell

ZOOM November 12, 2022, noon EST
Member clubs – get link from your K.O.I. liaison



Concepts to be covered:

- Poikilothermic Nutrition
- Ingredients required for Koi nutrition
- Why you only need one Koi food
- Guidance in choosing a diet and feeding



TIP OF THE MONTH

Testing for good water quality is a year-round necessity

- Check for pH changes due to acid rain or snow
 - Add baking soda to mediate
- Check ammonia all winter, and continue to do water changes!
 - Koi produce ammonia year round
 - Filter bacteria are not active
 - Use Ultimate or Chloram-X when needed
- Feed one or two pellets only when Koi are at surface and actively seeking food
 - No more than once a week
 - Watch for ammonia spike after feeding
 - Koi that eat a tiny bit all winter are healthier going into spring!



INLAND KOI SOCIETY
5198 ARLINGTON AVE., #146
RIVERSIDE, CA 92504-2603

Return Service Requested

Give
THANKS
WITH A GRATEFUL
HEART ~ The Japanese ~ 5/18

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October Shipment is in
from our
2022 Fall Buying Trip

- See the **NEW ARRIVALS** page
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