

The Inland *Koi Connection*



THE OFFICIAL
NEWSLETTER
OF **IKS**
ISSUE 310
NOVEMBER 2024

SUNDAY 11/24/24

WWW.INLANDKOISOCIETY.ORG



**IKS HOLIDAY
FESTIVAL MEAL
WITH SIDE DISH
POTLUCK - LAST
GENERAL MEETING
OF 2024!!**



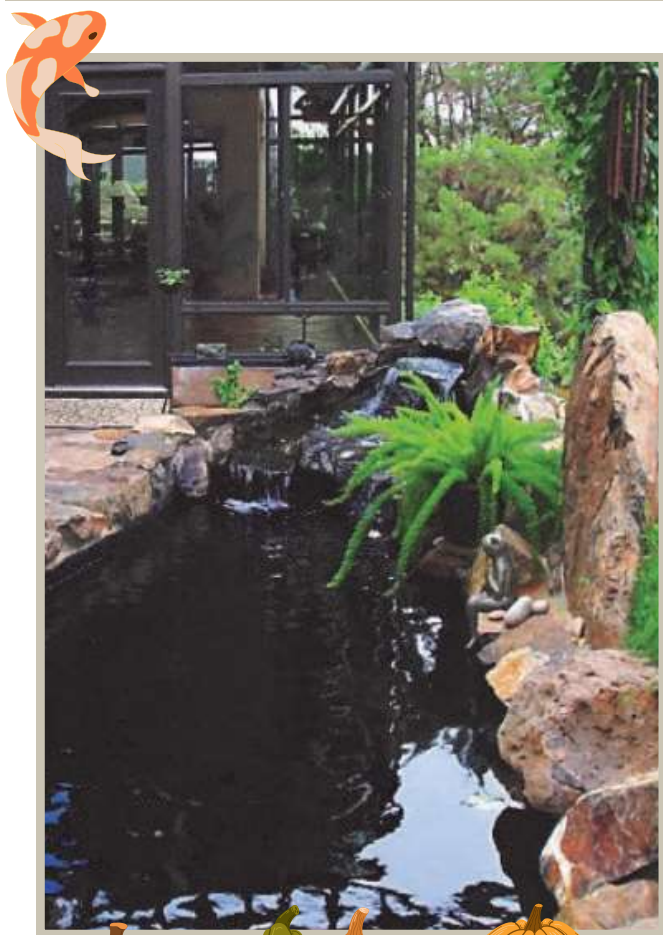
SUNDAY, NOVEMBER 24TH


2 - 5 PM

HOSTS: JERRY AND PAT MALL

**43024 VIA LAS ROCAS,
TEMECULA, CA
92590**

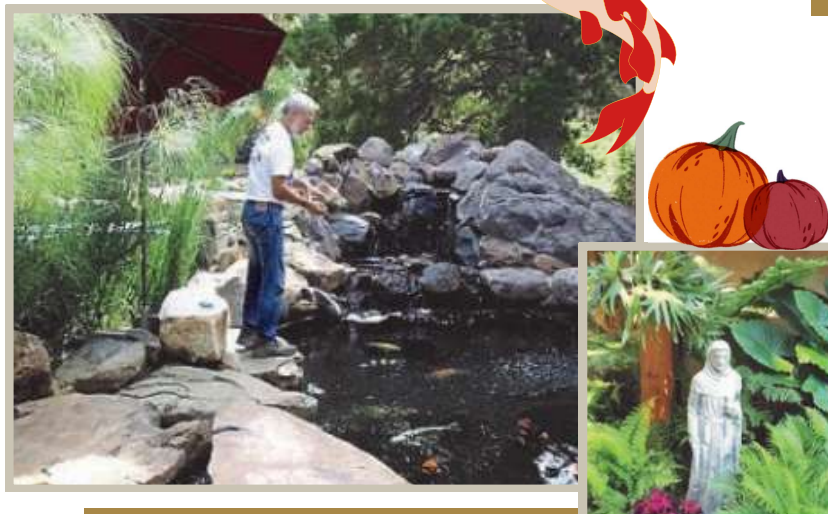
909.841.9971



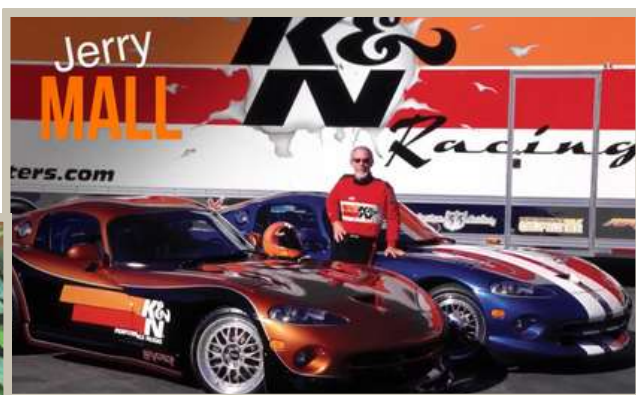


This month we will celebrate Thanksgiving at **Jerry & Pat Mall's** beautiful home in the hills overlooking Temecula. This should be their **15th year to host** this event, and we truly appreciate their warm hospitality. Lunch will be indoors and almost formal, with banquet tables and chairs (don't bring yours!) Our dining room is a beautifully finished garage to the left of the front door, and Jerry will direct the parking to keep all of us at the top of the driveway. And **it's handicap easy—everything is on the level!**

The **pond** was designed by one of Jerry's employees for simplified maintenance; do ask Jerry for a tour of the pump house to see his equipment. And 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 aspect of motorsports, even having their own racing team! **Jerry** used to drive a Dodge Viper, but in one 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 racing and is now comfortably retired, and he and Pat enjoy traveling. Photos around you showcase Pat's talent with a camera!

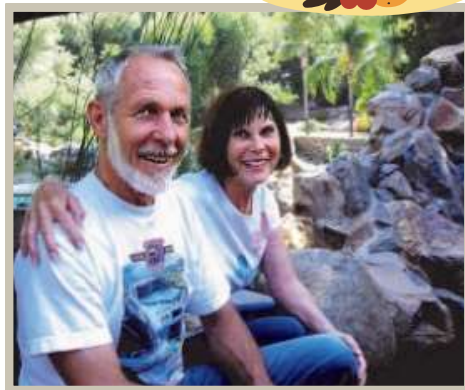
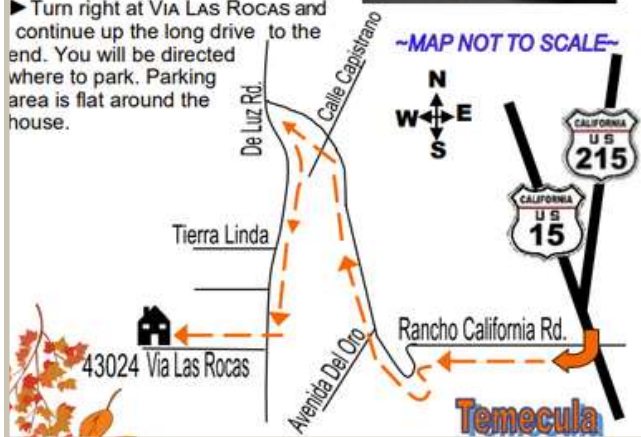


Legalities require some serious business this month—**Elections for 2025**. Then we'll hope to vote on a Koi and a Pond of the Year, and have some fun with Koi Races again. **(Bring \$5 in singles if you want to play.)**



DIRECTIONS:

- ▶ Use I-215-1-5 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 drive to the end. You will be directed where to park. Parking area is flat around the house.



"FAMILY FEAST" MENU PLANS

We have 40 members signed up for our *November 24* meeting at *Jerry & Pat Mall's* home in Temecula. Check the list below if you're undecided what to bring, and yes, you may change your mind. ***Please do let us know you're coming so we have room for everyone at the tables.***

• *Stuffing or Potatoes ~ mashed, yams, cheesy....*

Nyirady ~ Sweet Potatoes Rowland ~ Stuffing
Mouw ~ Yams

• *Vegetable Dishes ~ all the family favorites....*

Leverett ~ Creamed Corn Mathews ~ Squash Casserole
Wolf ~ Corn Casserole Broomfield ~ Glazed Carrots
Mouw ~ Green Beans

• *Salads, any kind ~ green, fruit, molded....*

2 ~ Green Salads 1 ~ Fruit Salad

• *Muffins, Rolls, Breads....*

Zoetemelk ~ Hawaiian Rolls

• *Desserts, any kind and all the favorites!*

Marrin ~ Triple Berry Pie ??? ~ Pumpkin Cheesecake Bars
Aker ~ Surprise! Zara ~ Brownies Zehm ~ Pumpkin Pie

• *Other Items, including Appetizers....*

Mall ~ Turkey & Gravy Milfeld ~ Cranberry, Apple Sauces
Hille ~ Chinese Dumplings

• *Others who signed up to attend....*

Aguilar, Dirac, Krause, Vogler

If you're not on the list, call ASAP to sign up! We need a count for seating and ordering turkey: deadline is Friday, 11/15. Please leave a message at the Milfelds at 951.780.7395, or text Peggy at 951.892.4270, or call or email our hostess directly:

Pat Mall ~ 909.841.9971 or patriciamall7@icloud.com

Thank You!



WANT A CHANCE TO WIN MONEY?

Participate in our annual koi races for a chance to win cash money!! Bring \$1 bills to bid on which koi you think will win!

People of all ages can participate in this event, so all you need is \$1 bills and your best luck!!

This event is in place of our regular monthly raffles but don't worry! They will be back once the new year begins!!



WANT TO ENTER FOR A CHANCE TO WIN KOI OR POND OF THE YEAR?

If you are interested in submitting either one or more of your koi or your pond to be elected as our koi of the year or pond of the year, please **bring a photo of your koi or your pond** for everyone to vote on at our November meeting.

We are looking for you, the club members, to join the board of directors for the club and become more involved!! The board meets once a month either at a board member's home for dinner and a meeting, or just before one of our general meetings. We hope you will take the opportunity to join our board and become more involved in the month-to-month planning of club meetings and events!!

HINTS FOR PHOTOGRAPHING KOI:

The first step to getting a great picture of a koi is having the fish tubbed -- that is, out of the pond into a blue tub or bowl of clean water -- and letting it and the water settle down before you start. It may be best, but tubbing is not required.

- 1) The perfect portrait is taken head on, looking down the back from head to tail.
- 2) The koi should be in the middle of the shot, not hugging the sides of the bowl. If you can get it on the diagonal, it's even better.
- 3) The pectoral fins are outstretched and stationary, not trying to back paddle out of the shot.
- 4) Take the shot from an angle that is not so low that all you see is a big head, nor so high that you are catching reflections of everything above you.
- 5) Zooming in helps frame the subject but make sure the whole koi, from nose to tail, fits into the picture.

Practice makes perfect! By taking lots of shots you should be able to get some great photos, even if they don't all come out well. You will find the more pictures taken, the luckier you'll get!

For pond photos, try different times of day to get the best lighting. Choose your favorite two views of your pond to submit. **Print your photo(s) in color.**

Bring your photo(s) to this meeting and turn in at the registration table: this includes koi photos and pond photos. **DO NOT write your name on the back or identify your picture(s) in any way. You may submit a total of three photographs -- that is, one each of up to three different koi -- plus a pond photo.**

For security, YOU will be the only one who knows who owns the koi in the photograph.



Stress has such a huge impact on Koi that it warrants an article on its own. Good Koi husbandry will not be possible without a decent understanding of stress and the effects on Koi in a pond. To fully understand stress, it is necessary to backtrack a little bit and consider the immune or defense systems of fish.

Koi share their environment with numerous organisms that cause disease. In order to survive, Koi develop comprehensive defense systems to guard against the various organisms like parasites viruses and bacteria. The defense factors can be divided into innate immune systems and acquired defense.

Innate defenses Externally the first line of defense is barriers of organisms, and comprises mainly of skin, scales and the mucus membrane (cuticle). Internally, the new mucosa (epithelial) covering of internal cavities, are the barriers to entry. Should a pathogen penetrate the external barriers a second group of defense factors take over. Phagocystic cells are present in the blood, tissue and organs of the fish. They clean up foreign invader and damage cells by engulfing them and releasing enzymes to break down the cell's invaders. A number of proteins also come into play. These proteins and phagocystic cells complement each other in the defense against invading bacteria. The by-products of the attack on bacteria and the cleaning up of damaged cells are released into the blood for processing by the kidney into the urine.

Acquired defenses Acquired defenses are those defenses acquired through "learning" defensive measures which prepare the fish to cope with certain pathogens if they appear a second time. Vaccinations are also an acquired defense.

After this very brief description of the immune system we can move onto stress.

Stress The response to stress is a series of physiological reactions called the General Adaptive Syndrome (GAS). This syndrome consists of the alarm reaction when stress hormones are release, a period of resistance during which adaptation occurs, and if the fish cannot adapt, exhaustion, followed by death.

When a fish is stressed and hormones are released it will result in an increase in cardiac output and a constriction or dilation of the blood vessels. These hormones also have an influence on the metabolic breakdown of glycogen to glucose in the muscle and liver. Although the results of the hormone produce an instant source of energy, it also increase the permeability of the gills to water and ions.

This causes the fish to take on more water and to loose ions. Fish in captivity are often subjected to long periods of stress.

The following example is known to most Koi keepers. You buy a Koi from a show and within a short time after arriving at your home, the fish get sick. Let's consider what that new Koi has gone through before it gets to your pond. Firstly it gets netted out of a comfortable mud pond. Then it gets handled in the nets, put into a cramped space for sorting, and relocated into a cramped concrete pond. It is bombarded with chemicals to keep pathogens in check. Next it is netted again and transported to retailers if it is sold locally, or if it was bred in Japan, to wholesalers where it is put into a different holding pond with different water parameters. In the case of imported Koi, it is then sent to retailers overseas to go through another experience of handling and transport etc. If your Koi was lucky, you would have bought it from a dealer where it has been rested. If you bought it from a Koi show, it went through another ordeal, plus it was netted countless times by prospective buyers, curious visitors and naughty children. During this long process, it was starved for weeks and medicated several times.

Now let's return to the Koi that you brought home and got sick. Your immediate reaction is to think that the dealer has sold you a sick fish. In reality, the prolonged stress that the fish went through has actually caused the defense system to weaken or become ineffective. As stated, fish exposed to chronic stress will either compensate or die. In the pond environment, there are stressors that can and will occur. If not corrected immediately, the stress may become chronic, causing disease and death.

Just a few of the stressors that occur in a pond are too much handling, frequent visits by predators, badly formulated or old food, temperature fluctuations, unstable pH and overcrowding. However, the most important stressor is bad water quality. Ammonia, nitrite, pH, low dissolved oxygen, nitrate, dissolved gasses and unstable temperature play a vital role in the functioning of the fish's defense systems. The above influences can actually weaken or shut the defense system down, with disastrous results. In most cases, disease outbreaks or unexpected mortalities can be traced back to some chronic stressor in a pond. In other cases, it can be traced back to a single highly stressful situation that occurred a few weeks prior to the symptoms occurring.

The management of stress in a Koi collection should therefore never be underestimated.

Did you know?

Koi are creatures that like company and always prefer to be close to the rest of the school. In Koi health texts, it is frequently mentioned that when inspecting a Koi collection, one must look closely at a specific fish if it isolates itself from the rest of the collection. The reasons for this phenomenon are rarely explained.

It is correctly assumed that the Koi isolates itself because of some discomfort and the fish can/will not swim around endlessly. The fish isolates itself in an area where it feels most comfortable like in a corner where there is little water movement or at a specific place where it has access to the highest amount of dissolved oxygen.

Another reason Koi choose to isolate is that there are many unique features in the skin of Koi. There are certain cells (Schreckstoff cells) that are found in the epidermis. These cells secrete a pheromone that is released into the water by an injured Koi to warn others of imminent danger. Koi in the vicinity respond to this chemical message by avoiding this area.

This also explains the reason why an injured/sick fish may contribute to the stress in a collection where all the fish are confined in a man-made pond.





Officers

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- Secretary —
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monicadirac@aol.com
- Treasurer —
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- Newsletter Editor —
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- **Linda Kushner** ~ 951.520.0092
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- **Larry Leverett** ~ 951.500.2157
@inlandkoi society.org
- **Theo Zoetemelk** ~ 951.735.9896
@inlandkoi society.org

Upcoming Events

12

08~ IKS Board Meeting
5:30 PM

Nick and Peggy Milfeld

1644 Northhampton Drive, Riverside 92506

Interested members are welcome to attend, but please call hosts to let them know beforehand, 951.780.7395

01

25- 26 ~ San Diego Koi Show
San Diego Koi Show

02

23 ~ IKS Board Meeting
12:30 PM

Larry and Debby Leverett

5349 Jasper Lane, Riverside 92506

Interested members are welcome to attend, but please call hosts to let them know beforehand, 951.781.3887

02

23 ~ IKS General / Potluck meeting
2-5 PM

Larry and Debby Leverett

5349 Jasper Lane, Riverside 92506

03

02~ IKS Board Meeting
5:30 PM
TBD

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

03

23~ IKS General / Potluck meeting
2-5 PM

Barbara Mathews

17700 Conestoga Road, Lake
Mathews 92570



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November 2024

Looking for entries!



Pond of the Year

One per club (club affiliation not required):

- 4-6 photos, 10-30 sec video if desired
- Description – location, size, design, filtration, inhabitants

Email to: pattist@snet.net



Koi/Goldfish of the Year

One per club (club affiliation not required):

- Photo and 10-30 sec video
- Description – if desired – breeder, age, when purchased

Email to: pattist@snet.net



Champion of Champions

Champion of your Koi Show:

- Photo and 10-30 sec video
- Description – if desired – breeder, age, when purchased

Email to: pattist@snet.net

Entries Due Dec 31, 2023!



If your club received a Friendship Award for your Koi Show:

You MUST send us 2 pictures!

1. Photo of the winning Koi
2. Photo of the Koi Owner receiving the Friendship Award

We are currently missing photos from:

- Boise Koi Show
- Louisville Koi Show
- Atlanta Koi Show

Send both photos to pattist@snet.net



TIP OF THE MONTH

Koi have Superpowers!

Koi “taste” with their Barbels

Koi “smell” with their Nares

Koi taste/smell senses are combined



Combining their gustatory and olfactory senses, gives Koi the ability to “taste potential food at a distance”

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Fountain Valley CA 92708

Winter Hours:
Daily 10:30am-5:00pm
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Phone: (714) 438-0087
Website: www.inlandkoi.com
Email: inlandkoi@inlandkoi.com

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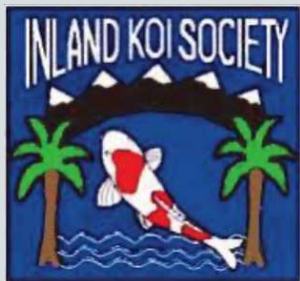


Thank you to **Chien Lee**
of **Nijkawa USA** and to
Iva Gaglione of **Ultra**
Balance for supplying the
Inland Koi Society with a
supply of nutritional koi
food for its rehoming
program!!!



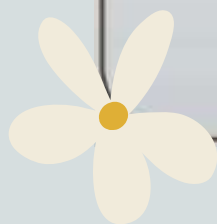
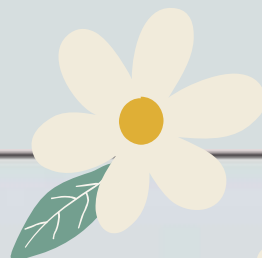
Thank You!!!





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

Return Service Requested



Visit Our Website: www.inlandkoisociety.org