

# The Inland Koi Connection



THE OFFICIAL  
NEWSLETTER  
OF IKS  
ISSUE 227  
OCTOBER  
2015

**October 25 Potluck Meeting**  
Sunday, 2 ~ 5 PM

Come Visit the Urban Farm of  
**Randy & Pauline McGarvey**

12270 Fremont Street  
Yucaipa 92399  
909.534.5776



The IKS Board meets monthly, generally on the Wednesday evening following the Sunday regular meeting of the club. Meetings begin at 7:00pm and are open to any interested members.

At the September 30 meeting we discussed:

- **Great turnout at the Marrins'**, as expected. Everyone loves seeing the changes in the gardens! John Svelan gave an excellent presentation; William Lim shared his newest pump design (although he was hard to hear). Plenty of good food!
- **Confirmed** meeting plans for October 25 at the McGarveys in Yucaipa; return to 2-5PM schedule. Speaker will be from Van Ness Water Gardens.
- **Confirmed** meeting plans for Nov. 22 meeting at the Malls' in Temecula, 2-5PM. The Fales will be with be absent and are looking for someone with the gift of fun to plan some games and run the Raffle that day. Step up and call Rob or Deanna!
- **January and February** meetings are tentatively set; to put your pond on the calendar and choose your month, contact the Fales.
- **A possible Koi Rescue** of nine 'very nice' large koi (24+ inches) in Rancho Cucamonga was cancelled when a pump failed and the owner lost them all. Instead, he will donate his equipment to IKS. There are no koi in quarantine and no other rescues pending.
- **Two Director and two Officer seats** are vacant, and several appointive/volunteer jobs available. Who is willing to get involved with the success of IKS?
- **Francine Hoffman** has offered to keep in touch with members who are ill, if people will report to her. Call her at 951.781.8209
- **Edward-Dean Museum** has asked for help with a pond clean-out in November. Steve & Laura Nyirady have been maintaining the pond there, and if this is scheduled it will be a team effort. Any interested in helping should check with them or Rob.
- **Member Renewal** forms will be sent in the November newsletter.
- **AKCA: 2016 Seminar** will be in Cedar Falls, Iowa; Sunday tour will be to Kloubec Koi Farm.
- **Next Board meeting** will be Wed., Oct. 28 ~ back at Jack's!

*Peggy Milfeld, Secretary* ~ \('.'')\_/\_

**BOARD OF DIRECTORS**

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**IKS HELP LINE**

Koi Health, K.O.I. Rep.: **Spike Cover** ~ (949) 855-2371

Librarian: Books & Videos listed on IKS web-site  
**Audrey Rowland** ~ (951) 233-3671

Database: **Orville Hanson** ~ (951) 682-3107

Web Master: **Alecia Everett** ~ ikswebmaster@yahoo.com

Badges: **Jack Marrin** ~ (909) 792-3603 ~ jack@marrin.com

- **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 and treatment remains with you.**

The IKS donor community needs 24 donations a year to continue. Donate in Riverside at 4006 Van Buren Blvd., 92503

Call Life Stream at 951.687.2530 to schedule a donation!

**Visiting the McGarveys** this month will be a challenging bit of fun. Fun because it's a new venue for everyone and they have all kinds of stuff going on in their little corner of the world. A challenge simply because of distance—which has never stopped us—and parking, but we can deal with that!

**Randy & Pauline** live at the end of Yucaipa Blvd and south around the corner a block or two. Four of us drove out on a rainy Sunday and were delighted when Mom Nature favored us with clear skies for the few hours we were there (*after* she had blown every neighborhood leaf against the fence and into the yard!) A homey yellow cottage with a covered porch and a small front yard belies the size of the property. The side gate leads to a large split-level back yard with spacious patio areas surrounding their pond, with room for tables and chairs, EZ-Ups and our buffet, and beyond that their "urban farm."

**Basics first.** Randy works for Verizon, taking generators to area that have lost power. He's a Marine with six years active duty as a radio operator, and another 16 years with Mac's team, the Semper Fi #1 Memorial Honor Detail; they've done almost 2600 services since 1997. Pauline works for Credit Technologies, a credit reporting service for mortgage lenders (not banks). She commutes into Riverside, while Randy works 5 to 7 minutes away! The McGarveys are going on six years married, having met on *MySpace*: he was 'the cute one' and at their first meet he kept hidden so he could run if he need be! It was a match, and each brought two grown children to the equation: Pauline's boys, Randy's girls. Now the grandkids spend a couple weeks at a time 'on the farm'. They love to pet the koi and each chooses a new chick to care for during their stay.

**Obviously, petting koi... but chicks?** There's more than just fish and fowl. At patio edge is a pheasant house with five birds: four females (3 goldens and a silver), plus a stunning male red golden, a successful hatchling in glorious color. Known as a Ruffed Pheasant, he has a 'cape' of orangey feathers outlined in blueish-black that will wrap around his neck and face during courtship. The males don't develop their bright colors until they are two years old, but are often fertile the first year; Randy noted that this one has his color, but next he'll molt! These birds are amazingly well camouflaged in their original native habitats in central China, and can live up to 15 years.



**To the right** and beyond is the hen house where all of this started: the original 30 birds is now down to four, enough for a continuous egg supply. Randy collected a handful of eggs from the two Ameraucanas while we were there. The rest of the story is that they went for more chickens and came back with Pygmy goats instead, but that was *after* the pheasants. The back end of the yard is divided into pens for a billy goat (buck) and for two nanny goats (does) with their five kids. They had 8 kids, gave away two, and lost one; they also lost one nanny during childbirth the end of September. Unfortunately, Randy & Pauline were away during the first few weeks with this brood and didn't get to bond well with them; all are sold, to be claimed in November, so their new owners will have to teach them to be more friendly pets.



**We did say koi...** Randy lived in Redlands in 2000, and had a small 350-gallon spa-pond. The move to Yucaipa in 2005 included an existing pond, but it had no filtration and was half-full of bamboo; the 'back forty' was full of dried up trees. Randy built the chicken coop, then the pheasant house, then goat pens; in between he cleaned out the pond, shaded it, and installed filtration...which he redesigned after Orville's class at Edward-Dean—his 55-watt UV was before the filter. Randy was quick to say, "Even if my eyes are closed, I'm still listening!" The filtration is due to change again. The pump died the day before they left on vacation, so Randy picked up the largest pump Home Depot had and got it installed that night; he wants to replace it with a 2-inlet pump. The 55-watt UV died and a temporary 28-watt unit is in place, waiting on a second. Randy had a week off and was excited about a lot of projects he wants to finish.

**One thing I saw that was most intriguing** was a pair of stunning blue—more like turquoise!—koi purchased at Barstow Koi on the last club visit. Our photo doesn't do them justice because they wouldn't hold still, but do check them out! And if you want to get Randy talking, ask about the dream trip he and Pauline are planning for their retirement... Come, get to know this couple better. The pond is admittedly small, but their hearts are huge!

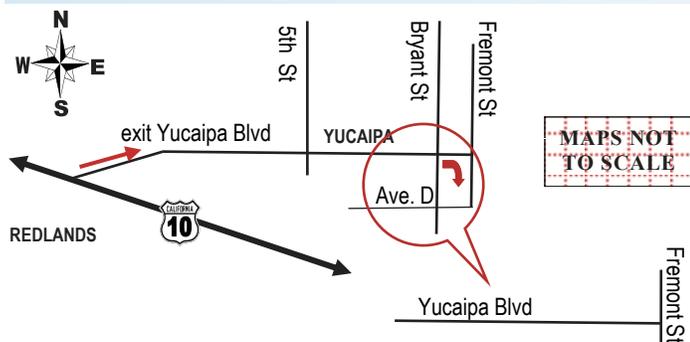
**Our speaker this month** will be **Wesley Gonzalez**, manager of Van Ness Water Gardens in Upland. He came to them six years ago out of the food industry, turning his love of plants and water gardening into a vocation. Van Ness emerged in 1922 as a supplier of water lilies to the whole country. Wesley is proud of the fact that he introduced the lotus to Van Ness's product line, a species he enjoys cultivating. Van Ness always carried koi, too, and has been improving the quality of the koi they offer by sourcing them from Japan!



*Lotus in the foreground, backed by giant-leaved Victoria Water Lily at Kew Gardens, London*

**DIRECTIONS:**

- ◆ Exit 10 Freeway, coming from the west, at Yucaipa Blvd; go east about 5 miles to the "T".
- ◆ Turn right onto Fremont St. and follow map to 12270, on your right.
- ◆ Pull in parallel in front of driveway to **drop off food & chairs**, etc., then proceed to parking on the side streets. See notes at left regarding parking. Thanks!!



**There will be room for only two cars in the driveway and two off the street in front; these are reserved for handicapped & limited mobility.** The driveway is very short and dips steeply. We will have people out front to receive chairs and food items so you can go around the block to park on B or D.

**CONGRATULATIONS ARE DUE!**

With additional funds contributed by Koi Club of San Diego, the Scholarship Committee chose again to present two \$500 awards, and they go to a pair of sisters who are not strangers to IKS. Daughters of Rob & Deanna Fales, they live on campus — at UC Davis and Irvine — and neither can schedule time at home to attend one of our meetings to receive the honors. In fact, Rob & Deanna will be in Davis to spend Thanksgiving week with Robin. Checks have been sent to the parents for deposit in the girls' accounts. Congratulations to all of you!

*Dear members of the Inland Koi Society,*

*I would like to thank you for choosing me as a recipient of your academic scholarship. I am currently attending UC Davis as an second year Animal Science major, and am interning for graduate students by assisting with their beef cattle nutrition study. I am also an officer of the UC Davis Draft Horse and Driving Club.*

*Going to college has given me the opportunity to work very closely with horses and cattle, as well as learn an enormous amount about the management and care of sheep, goats, pigs, companion animals, and fish.*

*Thanks to the award your organization has given me, I can buy textbooks for classes and continue with my studies and internship.*

*Sincerely, Carrie Fales ❖*



*Dear Inland Koi Society,*

*Thank you for awarding me your scholarship. I am a 4<sup>th</sup> year undergraduate student at the University of California, Irvine and I will be graduating at the beginning of this summer.*

*After graduation, I plan to continue my research in Marine Intertidal Community Ecology in grad school. This scholarship will help me attend a large Ecology Conference where I will be presenting my research, and help pay for textbooks and school supplies.*

*I appreciate your investment in my education and my future.*

*Thank you, Robin Fales ❖*



Theo Zoetemelk has been working for months to build a windmill in front of his home in Norco, "Horsetown, U.S.A." Remember the song he wrote and recorded for wife Jeanne? The song that was a hit in Norco! I shot this photo the end of September, and I'm told he's almost ready to put the "sweeps" or rotor blades on. ❖



DUTCH PRIDE

**HELP! KOI NEED HOMES!**

**Glenn & Pamela Warrington**, former Riverside members of IKS, have begun the adventure of moving but find that most prospective buyers don't want their koi. Their pond was showcased twice on our tours, in 2002—the "Waterfall Tour"—and again in 2005. Today it is home to about 100 fish, beautiful colors, all shapes and sizes, including many longfin koi.



Pam contacted us asking for help...

*"We are in the midst of selling our home. Buyers do not want the fish. I was inquiring if you or anyone in the club, would like to purchase any of my koi and bless them with a home? Or if you know any others who would. We used to be members of the IKS and had our pond on the tour twice. You would be helping us out and putting peace in my heart; I will feel good knowing they would be going to safe homes.*

*I look forward to hearing from you. You can reach me at the following numbers:*

*Home# 951-682-6850*

*Cell# 951-662-4776*

*Thank you, Pamela Warrington"*

Pam has had a few calls, but still needs more homes for their koi!

Great Resources Are Available In Our



A complete list of books & videos is available on our website. Call Audrey—she'll bring what you want to the next meeting!

**Meeting at the Marrins'** is always a guaranteed hit: everyone loves roaming the estate gardens and we enjoy the warm hospitality of Jack & Norma. Although we started at 3pm to miss some of the midday heat, there was a group who came early to take advantage of Jack's offered tour of the grounds. Even a couple young ladies in town for a reunion peeked in and asked if they could join the tour. In the meantime, Norma received the potluck dishes to arrange on tables in the big kitchen. It worked well to do a walk-through from back door, through the buffet line and out to the pool deck, where several patio table with umbrellas had been set up.

**Rob introduced several guests** this month—a group of five was brought by Francine Hoffman—and two couples joined on the spot! Bill & Trish Haumann of Highland and George & Juli Ramirez of Claremont both have two ponds and came prepared to participate like old timers with potluck dishes to share and their own chairs. Very friendly, we hope to see you often.

**When Jack was given the mic**, he gave a brief history of the development of the property, which was quite bare (except for some wonderful old trees) when they bought it in 1986. Early on they began the backyard construction with a 'Hearst Castle' influence. It took a long time to develop a Master Plan for the landscape; in 1994 they hired a landscape architect with a forte in 'artscape' to put on paper their ideas, dreams and visions.

**When he drew two boxes either side of the pool**, Jack had to ask what they were. *Those are you koi ponds*, he was told. *What are koi?* asked Jack. Thus he blames their involvement with koi on the architect. The ponds are 1500-gallons each, with separate filtration systems housed beyond the garage with the pool equipment. The filters are pressurized, converted sand filters with high-pressure pool pumps. He noted that the pond on the left has a custom-made tent over it to protect it from an overhanging oak tree.

**They've gone solar:** 72 panels generate 18.5kw, or 100% of their needs; it pays itself off in six to seven years with all the federal incentives. Do they conserve water? *We conserve like no one else in town does!* They have redone all the irrigation systems in the last two years, now using only 50% of what they had been using. *And yes, all the city council people have been here, and yes, we own lots of shares of water company sources.*

**As you look at the Master Plan** and at the as yet untouched sections, you understand what Jack means when he says that *completion is a process...we're hoping to see it done.* A tennis court on the plan at right will be a Japanese garden and pond.



**Asked about future plans**, Jack listed retirement, moving to Scotland, and lots of *Talisker*, a reference to Norma's newfound favorite Scotch from their Summer trip through the UK.

**We were pleased to have William Lim** join us, too. He brought along his newest pump to share, describing details of the variable speed design, its advantages and applications.



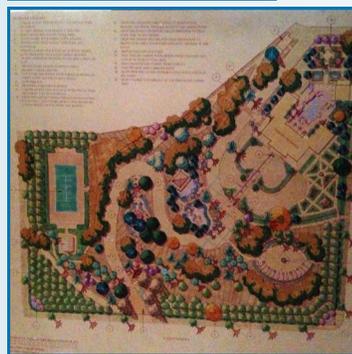
**John Svelan, a favorite speaker** from the San Diego club, planned Redlands as a stop on his way to Las Vegas to visit his daughter. John gave us an intense study of the basic anatomy of koi about a year ago, and returned to teach *Koi 102 ~ Gross Internal Anatomy*. So much fascinating information! And then questions and answers... (*I've saved page 6 for it!*)



**There was lots of club news** to share, the saddest being the losses of Sandy Hanson and Warren Fowler during the summer. We knew Warren had been fighting an aggressive cancer, but the same in Sandy went unnoticed and undiagnosed until nothing could be done, and we share the sorrows of both Cynthia and Orville as they move on; both members are missed.



**Spike Cover came bearing gifts**—a collection of koi book and magazines offered free for the taking. We were reminded that elections are coming up in November, and every member was encouraged to consider a way to get involved in the continued success of the club. It's the old story of the ten percent doing ninety percent, and they really want others to share in the labor and the fun of it! We need new ideas, fresh minds, strong backs....

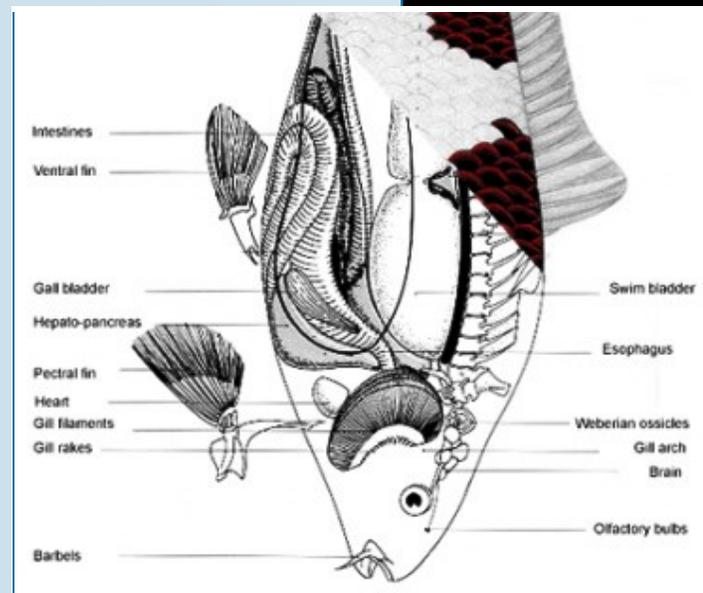
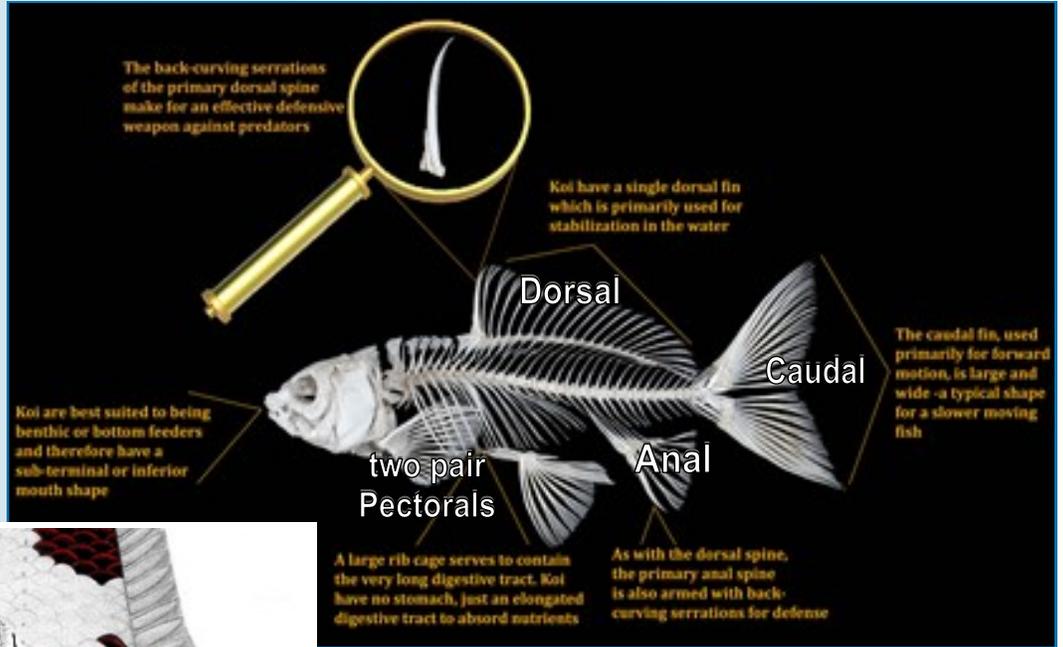


**Rob announced** three months worth of birthdays that weren't celebrated at the July or August meetings—18 members getting older, including five dates shared by two. Best of them all was hearing that **Carl & Mary Leever** celebrated their 50<sup>th</sup> wedding anniversary two days ago! Congratulations to both, and to all!

**The close of the meeting** came with an invitation to visit around **Randy & Pauline McGarvey's** pond in Yucaipa next month, and then all attention went to the raffle drawing. The Fales had a great collection of gifts, plus several items donated by various members. (*Just a reminder: you get an extra ticket for every gift you bring to the table; just let the girls know at the registration table!*) See you all in Yucaipa! ❖

Much of John Svelan's quick review of external koi anatomy can be taken from these two diagrams. I won't go into the history shared, but start with a question that began his own research: *How many fins does a koi have?* You should have identified seven: The dorsal and anal fins maintain vertical balance; the tail or caudal peduncle is for propulsion and its size is indicative of the fish's overall strength; and the pectorals maintain pitch and roll, propulsion and braking.

The lateral line is a row of receptors connected to nerve endings and the brain for a fight or flight re-



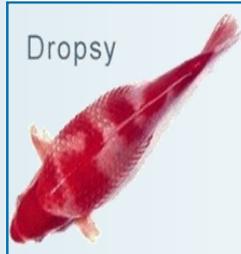
sponse to stimuli. The brain, quite small, contains *rods* and *cones* as do ours, so koi can see colors. Hearing and olfactory senses are combined in the internal ears, which vibrate off the swim bladder. *Nares* are pairs of holes in front of the eyes on both sides; they consist of, first, a *scoop* for intake of water, which passes the sensory cells and is *expelled* through the second, other hole. Mouth-breathers, koi exhale through the gill filaments.

**Surprisingly**, 80% of the ammonia in the pond comes from the koi's breathing. The gill filaments screen water and extract O<sub>2</sub> from it, sending it through the circulatory system, exchanging depleted CO<sub>2</sub>. The O<sub>2</sub> and CO<sub>2</sub> are exchanged directly across capillary membranes, and koi can extract up to 85% of available oxygen from their water environment. This is extreme efficiency, since water contains only 2-5% the available oxygen that air at sea level does. Carp are generally sluggish and don't need as much oxygen as other species, which is why they can survive in warm, relatively stagnant ponds. Flotation is a function of the two swim bladders, the cranial and anterior. As they maintain a varying degree of inflation, they maintain zero buoyancy, like a submarine, at whatever depth the koi seeks.

**Koi have two kidneys** and an esophagus, but no stomach. Live intestinal micro-bacteria in the long-gut digestive system 'eat' or process food for them. This bacterial function slows in cold weather/water, explaining the changing feeding patterns we practice: a winter bacteria count is reduced and less efficient. Koi eat as much food as they can assimilate in about five minutes; males tend to attack food and dive to digest it, while females tend to graze at the surface as long as food is available.



**Yes, koi have teeth**, and John had a small bag to show us. They look like baby teeth and are set in rows of 3 or 4, before the throat, where they can grind pellets against the *upper plate*. They wear down and are spit out, regenerating constantly. A koi will already know what is food before it reaches the teeth; other senses (lips, barbels...) will identify it or it will spit it out.



**Pineconing or dropsy** is caused by internal swelling, a loss of salt and water balance; the cause of it may cause death, but the pinecone appearance is only a symptom to alert you to the internal problem—possibly parasitic infestation, bacterial infection, or both. Do nothing, you may lose the koi. ❖

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**Chatting with Randy McGarvey**, he made an interesting observation about one of his koi: he has one beautiful Matsuba Chagoi that tends to sunburn; a rich rust brown with a beautiful dark netting or reticulation on the scales. But the fish enjoyed the surface (it is a fairly shallow pond after all) and tended to turn darker, so dark that the reticulation sometimes wouldn't show — which is why Randy built the shade cover over his pond.

**It made me wonder about sunburn**, which could certainly be an issue with many of our ponds in SoCal, so I did some research. There are many articles relating to sunburn.

**Yes, Koi can burn** if over-exposed to the sun. The most common reason is that the fish like to stay close to the surface, often with their backs exposed out of water for a while. Owners contribute to the problem by not providing adequate depth and or shade, whether plants, hiding places, or structural. If we hold the purist view that no koi pond can contain plants, then we need to provide shade in the design (recessed areas, a deck, bridge or tunnels) or in the landscape and hardscape (overhanging trees, a roof or pergola or even 'sails'). Consider the sun's position at sunrise and sunset to know where shade will be cast to be the most effective and protective.

**Our other fault** is desiring—yea, demanding—crystal clear water so we can see our koi at their best at all times. But consider the best growing conditions provided by the best breeders: mud ponds. These are a *luxury hotel* to a koi, with ample pelletized food up to four times a day, water temps from 'comfortable' to 'positively tropical', with odd, tasty tidbits for snacking...and concealment from predators in the green or muddy waters. Pure pampering! And the ponds are stocked very sparsely. The only thing missing is water clarity for human's enjoyment.

**Is crystal clarity worth the risk?** I read a lot from **Peter Waddington** in the UK, and was fascinated by his take on side effects of a crystal clear pond:

*"...the powerful daily dose of the sun's rays beating down upon the water surface. Within a few hours only, the white skins of the most precious varieties (Go-Sanke) will show the initial signs of 'ultra-violet de-generation' or, to the rest of us, sunburn! The skin's previous pure white ground will now show shadows of 'pinkiness', but only down to the lateral line; leave this alone for a day or so and it will*

*become an angry purple; leave this alone for a further day and it will start to 'peel'; after a day or so more, huge lacerations will be visible, later to be further complicated by bacterial infections; leave all this alone and the Koi will die – IN AGONY!"*

**Note that the 'pinkiness'** did not penetrate below the lateral line; and the culprit was indeed *sunburn!* I understood this to be the same effect seen on a sunning but unmoving beauty who is burned only on the top surface, above a certain line below which the body casts its own shade. Waddington noted this also affects Fresian Cattle; white horses; white mice and any other white creature that doesn't seek adequate shade from the hot sun.

**Lack of attention** to water parameters may result in low oxygen concentrations, which will encourage fish to hug the pond surface where their risk of burning is greatest.

Waddington discussed using clay to produce a better water, favoring the original clay 'additive' formulated by an avid Japanese koi enthusiast from Nagoya; he introduced it in the UK in 1984, but it is rarely found today. His opinion of current marketed products was rather scathing. His 'better option' for the koi keeper is *'Heavy aeration; heavy filtration; good food daily and water clarity as green as I can possibly get it. The ultimate aim is getting green water to a thickness whereby I can slice it into sections with a carving knife...'* This is for thriving as well as healing koi. Switch on UVs 10 days before a show-off event, and turn them off the next morning!

**Like all other fish**, koi rely on a natural protective layer, otherwise known as a "slime coat," that fends off everything from disease to injury. When koi are exposed to too much direct sunlight, their slime coats are compromised, and sickness and lethargy follow quickly; you will notice their slime coat will turn white and start to peel off. If caught in time they will regenerate their protective coating and the old damaged areas will start to break off and wash away. Once there's adequate shelter, it is critical to help restore the slime coat. A simple solution is to add an appropriate quantity of salt to the pond; it also helps gill function and reduces stress.

**Some easy ways to add shade** include:

- **Terrestrial Shade:** Trees and marginal plants growing alongside the pond provide plenty of shade from the outside. Blue Flag



*One hobbyist questioned sunburn with these photos of a stunning 15" Platinum Ogon, tubbed to move from indoors to new pond, and 10 days later in the pond, with the white dulled and red shading on the scales of her back. As none of his other 'white' fish were affected, he questioned if the Ogon was more sensitive to sun.*

*He was encouraged to check ammonia levels because of the newness of the pond and to watch for flashing, but the consensus was a reaction to stress, not the sun, as Platinums show stress whole lot easier than most other koi. Red appears first in the fins, then on the body. Sunburn looks almost cancerous, like the skin is thickening, then peeling.*

Iris and Dwarf Cattail planted on the south or west side will cast cool, shady shadows.

- **Canopies:** If not trees or plants, consider a tent or canopy over part of your pond. Recall the tent over one of the Marrins' ponds to protect from oak tree debris.
- **Aquatic Plants:** Water lilies and water hyacinth create underwater shade. Plant lilies in baskets or plant bags and put in strategic spots around the pond, or let water hyacinth create a floating hideout.
- **Fish Shelters:** Use fish shelters, or create fish caves with carefully positioned rocks or large diameter PVC pipe. These also create a protective hiding place from predators.

**A word of advice:** Don't over shade the pond. Maintain an area with some sunlight, which helps bring out koi colors, keeps the water a comfortable temperature and helps plants grow. And if you think your fish are already showing signs of heat stress, check your water temperature and do a partial water change if the temp reaches the high 70s or above.

~ Peggy Milfeld

❖ Take an interesting romp with 'Waddy' thru gin-clear water, mud, green water and filtration at <http://koikichi.com/gin-clear-water/>

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**ELECTIONS 2016**



*Elections for the 2016 term* will take place at the November meeting. Please consider carefully what you want out of IKS and whether you can give a few extra hours a month to keep us moving forward with the same level of success.

*Taking an office* means adding a two-hour meeting on a Wednesday night to your schedule. And don't be scared by the thought of President: it's a one-year term (maybe a second) keeping the board meetings running smoothly, emceeding regular meetings, and working with the other crazies on the board. Secretary and Directors are elected for two-year terms. A couple can do it together and make it a once-a-month night out! Several of us do!

Remember: Once there were four people named **Everybody, Somebody, Anybody** and **Nobody**.

There was an important job to be done and **Everybody** was sure that **Somebody** would do it. **Anybody** could have done it, but **Nobody** did. **Everybody** thought that **Anybody** could do it, but **Nobody** realized that **Everybody** wouldn't do it.

It ended up that **Everybody** blamed **Somebody** when **Nobody** did what **Anybody** could have done.

Take a chance! Be the **SOMEBODY** that **ANYBODY** could be!

**WELCOME TO OUR NEWEST MEMBERS!**

*We look forward to getting to know you and hope you'll find a fun & rewarding association with us. We offer you the advantage of years of experience (mistakes and all), and there are enough new-to-the-hobby members that no one should feel foolish asking questions. Ask away ~ there's something to learn from everyone!*



**New Members:**

**9/27: Bill & Trish Haumann**  
7042 Dover Court, Highland 92346  
(951) 801-2782 ~ BillHaumann@Roadrunner.com



**9/27: George & Juli Ramirez**  
198 W. Monterrey Dr., Claremont 91711  
(909) 626-0261 ~ BLWNOVA@yahoo.com

*Write these people into your Directory and seek them out at meetings. There are new friends to be made every month!*

Both of these couples have two ponds and are excited to join us. The Haumanns recently lost all their koi — a very sad welcome home from a vacation. Evidently a pipe broke and drained one pond, but the die off in the other not-connected pond remains a mystery. All is repaired and the waters are ready for replacement fish.... diehards like the rest of us!

**Q&A**

**LET'S HAVE A NEW COLUMN:**

*Send me a koi question and I will do the research or pass it on to one of our experts for a better answer. We can learn together! ~milfeld@msn.com*

**Q:** *It's Fall, but it's still hot. Is it okay to continue feeding my koi summer food, but just feed them less?*

**A:** Koi have temperamental digestive systems. To stay healthy, they need specific types of food at different times of year, and summer food isn't recommend as you go into Fall.

Koi are *poikilothermic*, a big term for *cold-blooded*." Their internal temp varies with the ambient external temp, so when the pond water cools, their body temperatures cool, too. With that dip in body temp comes a slowed metabolism and a reduced need for nutrients.

A change in diet is designed to transition your koi from eating a high-protein, high-energy diet, which they enjoy throughout the summer to fuel an active underwater lifestyle, to an annual wintertime fast, when they enter into a state of torpor, or a period of metabolic inactivity.

As water temperatures start to drop, fish will naturally eat less food on their own; we give them decreasing amounts because we have them in an artificial environment. They will produce less waste, which will help in maintaining good water quality, and will slow down their digestive systems.

As water temperatures cool, fish need a diet that's easier for

them to digest—generally a wheat germ-based diet that's carb-heavy rather than protein-rich. Many recommend using a wheat germ based food in the Spring, when water temps are between 40° to 50° F and rising, and the fish transition from fast to feast. In the summer, fish crave protein to grow and put on muscle weight. In Fall, they're in a reverse transition between feasting and fasting; lacking some digestive enzymes, so they'll need something that'll gently slow down their metabolism.

So, when do you start the transition? When water temp falls to 70° Fahrenheit or so, start feeding a mixture of wheat germ *and* protein-based food, gradually increasing wheat germ, decreasing protein food until you're feeding 100% wheat germ-based food. When the water temp reaches 55°F or so, stop feeding altogether.

Even though wheat germ is the most common food for Fall, you can still offer a treat in place of high-protein foods, too. Toss in some Cheerios, oatmeal or brown rice (cooked!) Share some healthy vegetables, like carrots, pumpkin or frozen peas. They'll provide important nutrients while being gentle on their systems.

As soon as water temps consistently read below 50°F, remember to stop feeding for the winter. Don't worry: they won't starve. The fast gives the digestive system a break, and the fish an opportunity to live off the fat reserves it added over the Summer. In the Spring, they'll clean up and look fresher and healthier than ever.

When you help your pond fish through the temperature transitions and provide them with the right types of nutrients to support their health, you'll be rewarded with active, colorful fish with stronger immune systems that can fight parasites and viruses that show up in the Spring. ❖



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**YOU'RE INVITED!**

KCSD has extended an invitation to our members to join theirs on a bus trip to the top four koi dealers in the LA-OC region on Saturday, November 21, the day before we meet at the Malls in Temecula. Check out the details:

**Join your koi buddies for a day of fun!**

Games, great prizes, snacks on a comfortable bus ride. \$35.00 each includes lunch. Pay and reserve your seat now!

First pick-up in San Diego at **8am** at **Governor** and the **805**; that's a Park & Ride south of UC San Diego.  
A second pick-up point at **9am** in **Carlsbad** at **La Costa Ave.** and the **I-5**; south of Legoland and the Baticuitos Lagoon.

- **First** stop: about 10:30am at **Laguna Koi**
- **Second** stop: 12-1:30pm at **Inland Koi**, with lunch there
- **Third** stop: about 2pm at **Eastern Koi**
- **Last** stop: about 3:30pm at **Andrews Koi International**
- Return home with drop-offs at the same pick-up points.

This is a visit as well as a buying trip: have your QT ready!

For more information, contact:

- Shirley Elswick (sfelwick@cox.net) ~ 619.222.9825
- Susi Woods (susiwoods1@hotmail.com) ~ 898.692.7005
- Checks to KCSD should be mailed to Shirley Elswick at her address: 3638 Charles St., San Diego 92106-2841

**I wonder: can people meet the bus at any point farther north, or drive themselves and meet/join in at the dealers...?**

**Laguna Koi Ponds** ~ 949.494.5107  
20452 Laguna Canyon Rd., Laguna Beach 92651

**Inland Koi** ~ 714.438.0087  
18122 Mt. Washington St., Fountain Valley 92708

**Eastern Koi & Waterscapes** ~ 714.895.7998  
14700 Goldenwest St., Westminster 92683

**Andrews Koi International** ~ 714.778.8888  
1650 S. Brookhurst St., Anaheim 92804



11-acre corn mazes in Temecula from prior years

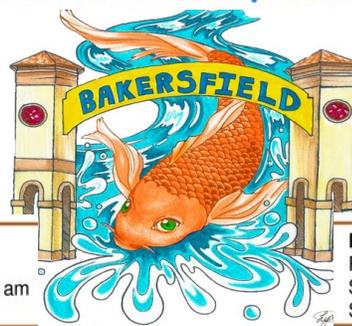


**Save the date: March 5-6, 2016**  
**SAN DIEGO KOI SHOW**



<b>OCT</b>	3-31	<b>Big Horse Corn Maze &amp; Harvest Festival</b> ~ 33320 Temecula Pkwy, Temecula. Largest (11+ acre) maze in SoCal. SS 10am-5pm (maze closes 4pm); <a href="http://www.bighorsecornmaze.com">www.bighorsecornmaze.com</a>
		<b>Peltzer Farms Corn Maze</b> ~ 39925 Calle Contento, Temecula. Free! Daily 9am-8pm (bring flashlight!) Super tall this year-10 ft! Pumpkin Patch. Info at 951.695.1115 ~ <a href="http://peltzerfarms.com/corn-maze/">http://peltzerfarms.com/corn-maze/</a>
	16-18	<b>Golden Empire Koi Show</b> ~ Bakersfield ~ Info below left.
	24-25	UCR Botanic Gardens <b>Fall Plant Sale</b> ~ Saturday, 11am-4pm; Sunday, 9am-3pm ~ <a href="http://www.gardens.ucr.edu">www.gardens.ucr.edu</a> ~ 951.784.6962
	25	<b>IKS POTLUCK MEETING</b> ~ 2-5 pm, at the McGarvey's home ~ 12270 Fremont St., Yucaipa 92399. 909.534-5776
	28	<b>IKS BUSINESS MEETING</b> ~ 7pm / <b>Location to be announced.</b>
	31	<b>Hallowe'en &amp; Harvest Festivals</b> ~ Join friends & neighbors at a local school or church to celebrate with kids of all ages!
<b>NOV</b>	7-8	<b>Temecula Wine Country Harvest Celebration</b> ~ Food pairings, barrel & tank tastings ~ <a href="http://VisitTemeculaValley.com">VisitTemeculaValley.com</a>
	8	<b>Art in the Gardens</b> UCR Botanic Gardens ~ 10am-3pm ~ Stroll the gardens, purchase unique pieces of a variety of art mediums. Suggested \$5 donation per family. Park free, Lot 13.
	21	Keep Our Gardens Clean & Beautiful ~ 8:15-11:30am; will be cancelled if it rains. Community Service hours. 951.784.6962
	22	<b>IKS THANKSGIVING FEAST</b> ~ 2-5 pm, hosted by Jerry & Pat Mall ~ 43024 Via Las Rocas, Temecula ~ 951.506.4814 The club provides the Turkey, we'll sign up to bring the rest! Elections and fun 'n' games.
	27-Jan.9	<b>Festival of Lights</b> ~ Mission Inn, 3649 Mission Inn Ave., Riverside ~ Switch-On ceremony 11/27, 4-11pm, 3.5M lights plus fireworks open the season! <a href="http://www.festivaloflightsca.com">www.festivaloflightsca.com</a>
<b>DEC</b>	Dec.2	<b>IKS BUSINESS MEETING</b> ~ 7pm / <b>Location to be announced.</b>
	4-8	<b>68th Annual Feast of Lights</b> ~ University of Redlands. 8pm [4pm on 12/6] ~ A beautiful service of worship in word, tableau, song & instrumental offerings. ~ Ticket office 909.748.8116 ~ Tickets online at <a href="http://www.redlands.edu/feastoflights/Tickets">www.redlands.edu/feastoflights/Tickets</a>
	31	New Year's Eve: <b>HAPPY NEW YEAR!</b>

**16<sup>th</sup> Annual Golden Empire Koi Show**



**Fish Check in:**  
Friday noon to 7 pm  
Saturday 8 am - 9:30 am

**Exhibit Hours:**  
Friday Noon to 7 pm  
Saturday 10 am to 7 pm  
Sunday 10 am to 5 pm

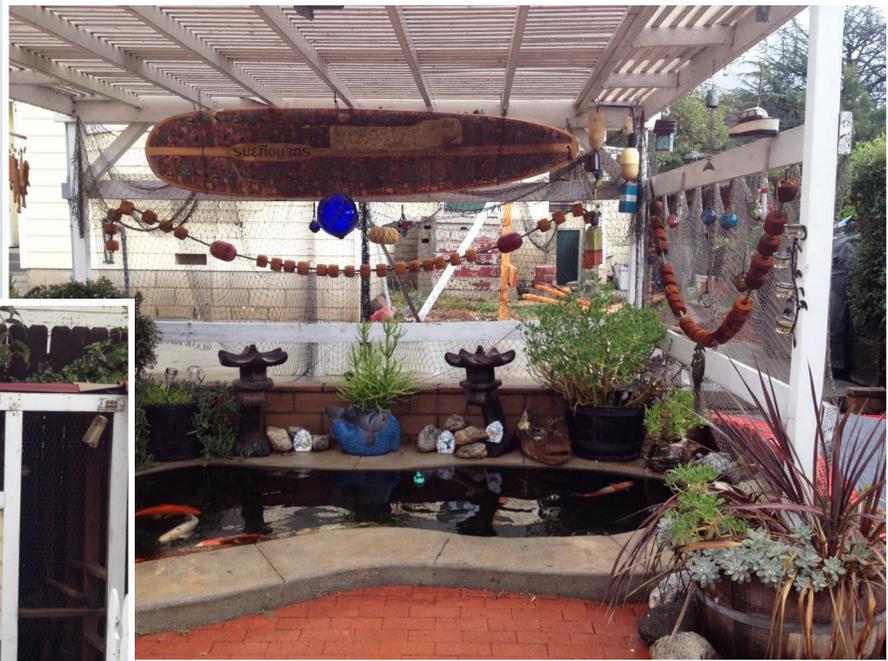
**The Bakersfield Koi & Water Garden Society**

October 16-18, 2015  
Kern County Fairgrounds  
1142 So. P Street, Bakersfield, CA



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

**Return Service Requested**



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Koi & the Corps...



all are  
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Passions

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