

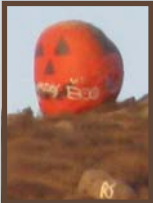
The Inland Koi Connection



**THE OFFICIAL
NEWSLETTER
OF IKS
ISSUE 160
JULY 2009**

Note the time change to avoid
some of the Summer heat.

Sunday, July 26 ~ 4 - 7 pm



**HOSTED BY: DAVID & CLAUDIA KING
160 Paint Court, Norco 92860 ~ (951) 898-9803**



Hello, Koi fanciers!

Welcome to summer!

We had another great turnout as eighty people attended the meeting at the home of Randy and Joan Redden in Riverside. The weather was a little warm, the food was great, but we did run out of drinks. The Reddens have a large pond and, with the weather as warm as it was, I was tempted to dive in and swim a few laps with the fish! Everybody enjoyed the meeting. I think that the best part of our

meetings is the opportunity to talk to all the other members, and to get advice about how to improve our ponds, and how to care for our fish. Thank you, Joan and Randy, for hosting the meeting.

The plans for our August 22 Field Trip are firming up. We will visit Mission San Luis Rey in Ocean-side to tour the grounds and see their koi pond. Then we will go to Ruby's Diner on Oceanside Pier for lunch. We have the second floor of the restaurant reserved just for us. The menu will be their *Private Party Menu* which includes an assortment of 1/3-pound burgers, all-American sandwiches, and big salads. The private room can seat a maximum of seventy people, so if you are interested in going, sign up early! After the meal we will spend some time on the beach before we take the bus home. The price for the trip which includes bus transportation, breakfast snacks and beverages, the Mission tour, and lunch and drinks at Ruby's will be \$15 per person. (More info on page 4.)



The water in my pond has warmed up and the fish are more active and energetic. One fish was a little too energetic: I walked out to the pond one morning and there was a nice fish laying on the ground. I feared it was dead, but its gills were still moving a little so I threw it back in the pond. It lay on its side at the surface of the pond, barely moving. I left then to go to work, and when I got back home in the evening that fish was swimming around! He still didn't look too good, however in a couple of days he was fine. I just find it amazing how that fish has survived its near death experience!

Just a reminder that our monthly business meetings are on the Wednesday evening after our Sunday club meeting; they are held at Jack Marrin's office. All members are welcome to attend, so if you have the time, come over and get involved. You'll find this meeting more fun than staying home and watching the Angels lose...

This month the club meeting will be at the Norco home of David and Claudia King. Last month we voted to start the meeting at 4:00 PM, which should help us get off to a cooler start. Just bring your chairs, something for the pot luck, a raffle prize if you have one, and be prepared to have a good time.

See you at the meeting!

Mark

Mark Krakower, IKS President



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Inland Koi Society
2009

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David and Claudia King will host our meeting this month. The Kings live in Norco, atop a hill with a commanding view of the city and beyond, a view that allows them to enjoy fireworks displays from four different towns. In the opposite direction, the hillside view is protected as long as the economy is what it is...

A beautiful pool is the center of activity in their yard; it has inviting rock waterfalls and goes to 9' deep. It's a huge backyard that begs for big get-togethers, and the pool will be open to anyone who would like to cool off.

The Kings bought their home new 2 1/2 years ago, a single story, 3000 sq. ft. ranch with four bedrooms and a bare 3/4-acre lot. Both said it was a big undertaking to landscape that size of a yard. They laid lots and lots of sod and bordered it with bottle trees, fortnight lilies, and giant bird of paradise. When they wanted to raise the American flag on their hilltop, city codes said everything they built on the property had to withstand up to 90mph winds; they thought that was crazy until their flag-pole blew over! Since then they've strengthened everything built on their land.



The pond is an Aquascape design, a liner topped with rock, and approximately 3500 gallons. Located on the south side of the house on a triangular piece of land that could have been awkward to landscape, the pond fits right in, is protected from wind, and looks great! There are two low waterfalls and numerous plants—from calla lilies and flag iris, to elephant ears and water lilies—but the area is not at all over-planted. The pond is about four feet deep in the middle, with only a skimmer to pick up water. There are two in-pond pumps, located in the skimmer, which return clean water to the waterfalls. David also put an aerator in the pond which he says has made a difference in the growth of his water lilies.

Another hidden feature is a pair of 12-inch tunnels, three to four feet long, that give the fish a place to hide in the shade and escape any predators. "Spots" and a longfin named "Angel" are two favorite fish that survived the transfer from Fullerton and the then too-frequent visits by herons. A scarecrow beside the pond seems to have trained the herons to keep their distance.

The Kings have very friendly koi, a big old catfish, two red slider turtles, and lots of frogs. They also have a special guest, Dotti the Duck, who stays by the pond and won't fly south for the winter, possibly, David says, "because we feed him too well." Dotti eats dog food with the three dogs and koi food with the koi; he jumps right in to demand a fair share from Claudia's hand. There are two horses, too, vying for attention, but for the most part, all equine activity is downslope from them; there were no flies or bugs at all the evening we visited.



David and Claudia own K2 Engineering in Corona, a business which specializes in trade shows and exhibitors' equipment. David had been in the industry for over 20 years, so when the company he worked for went under after a change of ownership, he and Claudia decided to start their own business. They have been successful ever since. Claudia worked for 3M Corp in information technology before joining with David; today she is in charge of information and advertising.

David and Claudia have another calling that is dear to their hearts, CASA. As court-appointed special advocates, they work with troubled youths from the court system. They have had many successes over the years, sharing the love they have for their own three children with whoever was in need at the time.

The Kings are thrilled to be hosting the meeting in July. With a later starting time of 4:00 P.M., plenty of tents for shade, and the sun setting at out backs, we should be quite comfortable. Plan on an early dinner potluck, bring your chairs, and be prepared to enjoy the Kings' lovely home.

We're pleased to have Koi Judge Mike Hernandez as our guest speaker this month. He knows Japanese koi and their breeders well and has made over 250 koi-related visits to Japan, including to judge the All-Japan Koi Show. We have much to learn from this expert!

*Hoping to see you at the Kings'...
~Larry & Debby
Severett*



**David & Claudia King
160 Paint Court, Norco 92860**



Driving Instructions; check your map...

- ◆ **From 15 Fwy, north or southbound:** Exit onto Sixth St in Norco (north side of the 91) and head east through old town.
- ◆ One block past California Ave turn right onto Crestview Drive. Ingalls Equestrian Center will be on your left.
- ◆ At the first stop (Buckskin Lane) take the left fork to stay on Crestview. (*Aim for the big pumpkin rock on the hill...*)
- ◆ Paint Court is the second cul-de-sac on your right. The Kings' house is on the left at the end of the street.
- ◆ **'Scenic Route' from the 91:** Exit onto McKinley St going north (past Costco); Name changes to Hidden Valley Pkwy,

which is also an exit off the 15.

- ◆ Turn right on Norco Hills Rd toward Hidden Valley Golf Club.
- ◆ Turn left at the "T" onto Valley Drive and stay to the left through the Golf Club, then left at Crestview Drive.
- ◆ The third left is Paint Court.
- ◆ **Parking will be tight:** Please leave the closest spots for our eldest or handicapped members. Parking diagonally at the end may give more room, or park on Crestview and walk the short distance...
- ◆ **Remember your chairs and something for the dinner potluck. How about something for the Raffle, too!**

It has become an IKS practice to plan a club Field Trip to reward our members' hard work on our annual pond tours or auctions, and this year will be no different. Members who were not able to participate in those events are certainly not restricted from going on the Field Trips; everyone is welcome to come along!

This year we have been invited by member Pete Miles to visit the beautiful Mission San Luis Rey de Francia, a National Historic Landmark and the largest of the 21 California missions. Founded in 1798 and comprising 56 acres, it has seen three churches built here; the present one dates to 1811. It was a US Army outpost in the Mexican-American War, became a Franciscan college in 1893, then opened as a seminary from 1950 through 1969. Today it is a working mission, cared for by its local parishioners, and is still being restored.



After a tour and visit to the koi pond, we will go to Ruby's Diner on Oceanside Pier for a late lunch, then have time to visit the beach or stroll the Strand. The trip is subsidized by the club. A nominal \$15 per person says you're committed to coming along for the ride and seems a fair price for bus transportation and lunch, plus continental breakfast and snacks along the way.

Sign up and pay at the July meeting or, if you don't make the meeting, call Gene Maignot (951-218-3060) or Peggy Milfeld (951-780-7395) to get on the list. **Reservations will close on, and the \$15 must be prepaid by, August 10**, as Ruby's needs a final count for lunch by August 11. Payment may be mailed to:

**Inland Koi Society
5198 Arlington Ave., #146
Riverside CA 92504-2603**

As an added treat, we will be able to view part of the 33rd Annual

World Bodsurfing Championships as 350-400 bodysurfers from around the world compete on either side of the pier. Not to be overwhelmed by possible crowds, we have the whole upstairs room at Ruby's reserved just for us, and we will order from the private party menu. Our meal includes the entrée and a fountain beverage, and the tax and gratuity. Orders will be taken there.



Historic Oceanside Pier opened in 1987 as the city's sixth pier to be built, and the fifth on this spot. The concrete approach was built in 1925; the wooden portion in 1988. At 1954 feet, it is the longest wooden pier on the West Coast. On a clear day, you'll be able to see La Jolla, the Coronado Islands, and Catalina Island. Oceanside claims fame ranking second in the USA for Best Climate, with around 10" rain per year and an average daytime temp of 69°F.



Ruby's Diner combines the essence of the 1950s with an atmosphere of pure "Southern California." Patrons walk down a wooden bridge to get to the diner, a singular building located at the end of the pier. In the tradition of a 1950s diner, burgers and fries top the menu, but our choices also include some big salads.

We'll meet in the parking lot at Jack Marrin's business, 6531 Box Springs Blvd., Riverside 92507, at 8AM for a tailgate continental breakfast. We'll leave at 9AM for the Mission, leaving there about 12:40PM for lunch at Ruby's. Our bus will remain at the beach parking site until we leave at 5PM to be home by 7PM. The afternoon is free for sunning, wandering the quaint town or the Strand, or just walking the wet sand.

Plan to join us and get your name on the list. [Members from points south may prefer to provide their own transportation and meet us at the Mission, but we still need those names on the list for lunch.] ~PM

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IKS GENERAL MEETING ~ SUNDAY, JUNE 28, 2009 ~ RIVERSIDE

We had a really pleasant meeting at Randy & Joan Redden's home and garden. The newsletter pictures only hinted at how beautiful it is. The excessive heat after the recent "June gloom" made the turnout of 80 members and visitors a real surprise. Joan was especially nice to anyone who looked like they were overheated, allowing them to sit inside for a while to cool down; she also added a case of waters and sodas when we totally ran out of the larger-than-usual selection the club provided. At the end, some of us went for the ice, wetting down our faces and hands, trying to cool off. Thanks to everyone for the huge potluck lunch, and to Joan for serving it indoors!



Mark thanked our hosts and asked Randy to talk about their pond. He's been digging and building ponds at every place he's lived since he was a teenager. A liner pond, there is an interior lining of interlocking stones that make a retaining wall and create a gravel-filled border outside the water, but inside the liner. A bog garden fills the gravel area; the stone wall allows the water to move between the bog and the pond, but retains the gravel and keeps the koi out of the plants. This is a wonderful example of the unique designs owner-builders can come up with. Randy was also original and inventive in designing devices that allow plants to grow inside the pond without fish damage; he used plastic grating to construct boxes for the water hyacinths in the center of the pond. The plants were happy and growing out of their special boxes, which has given the fish something with which to play.

Mark introduced new members and guests, asking each to tell us about their pond and fish. Our newest member is Mariano Palpalatoc from Chino Hills, who came with application in hand; Spike & Ginger Cover (*Mission Viejo*), Morris & Marie Nyquist and Keri Rogelet (*Sun City*) joined in May and June. Rob & Laurie Vance (*Upland*) came with the Geerkens (*Claremont*), and some of the Reddens' friends dropped in, too. We were pleased to have Toni Wright, Tom's mother, with us, and his niece Amanda; Toni appears to have recovered nicely from very recent double-bypass surgery. And there was a warm "Welcome back!" for Debby Leverett, who rolled in in a wheelchair.

Mark announced our annual club field trip for Saturday 8/22/09. It will be a tour of Mission San Luis Rey with member Pete Miles, who has been maintaining the mission's koi pond and has put some of his own fish in it. (See page 4 for more details.) About 36 signed up for the trip so far.

AKCA Chairman Harlan Glenn reported on the election of officers. Only 42 of 105 member clubs returned ballots to select the following new officers: Bob Finnegan, *Chairman*; Christine Peterson, *Vice Chairman*; Carole Elliott, *Secretary*; and Doug Dahl, *CFO*. The AKCA is our parent organization; it insures member clubs for certain events and provides assistance to the local clubs hosting the annual AKCA Seminars. The KHA and KHV programs will see some changes in the future.

KoiUSA Magazine, the publication of the AKCA; continues to feature news about local club events.

In lieu of our planned speaker on local water issues, Mark led an open forum on "What's Working in the Pond...and What Isn't!" Several members spoke of challenges, their solutions and successes. It was an interesting classroom session:

- Mark's 5000-gallon pond is crystal clear with its shaded waterfalls, two pumps, and a bead filter...but at a cost. The bead filter clogs readily and must be backwashed at least twice a week in summer.
- Orville Hanson's 6500-gallon pond has a new foam fractionator; it produced huge amounts of foam the first two weeks, but now water is clear and all string algae is gone! At \$995 from Purdin Koi, including the pump, it is neither attractive (like three 200-gallon water heaters) nor efficient in the full sun, so it's hiding behind a wall and should be shaded. He's happy with the unit so far and will discuss it with anyone who wants more information.
- Theo's 12,000-gallon pond had horrible string algae last year, which he treated with 500 pounds of rock salt; within two weeks the filters were picking up the algae. He noted you cannot salt if you have plants in the pond, nor can you irrigate with the salted water. Theo has put up a small solar energy system: 26 panels and potential for 13 more. Electric bill has been \$760; he hasn't seen a new bill yet.
- Nick's 20-yr-old pond has been crystal clear 18½ years. He started with a 3-chamber up-flow sand & gravel filter, added UV sometime later. Backup filtration was added in 2004 by retrofitting 3 extra bottom drains to a gravity-fed 3-chamber vortex system using brushes and Matala biofilters. This year string algae was the worst, pulling a handful a week off the bottom of the waterfalls. Can't gravity feed the yard; only irrigates when he vacuums the pond for tree debris.
- Gene's bead filter on a 5400-gallon pond had to be cleaned 2-3 times a week. Taking 15 koi to the auction made the system and the rest of the fish much happier! Reduced fish load makes a major difference.

After a short break, Randy and Mary called the raffle. Thank you to all who contributed items for the raffle, including four nice fish from Inland Koi and several chemicals and foods from Harrison's Koi Farm. At the end, people filtered out slowly; all appeared to have a good time.

Note: It's been our practice to schedule our summer meetings one hour later, from 3 to 6pm, but the heat of this day led to a vote to changing to an even later hour. Mark asked the whole assembly for input, and the consensus was to schedule the July and August meetings at 4PM. This will become an early dinner potluck instead of our usual lunch, and we will finish at 7PM.

Respectfully submitted, **Zuma Ross**, Secretary



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Through the Eyes of a Fry

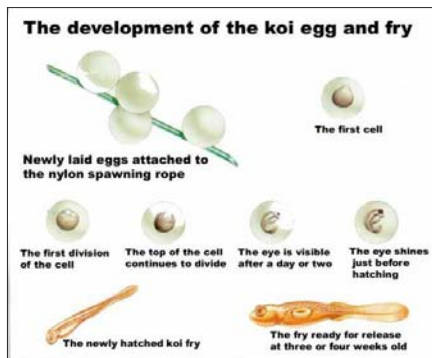
Edited and Reprinted from *Nishiki News*
As posted by JR, January 2009

Life begins for a fry, of course, at a moment marked by its leaving the egg. An emerging fry is not yet equipped to live life in a free-swimming form, as several important organs and structures are not yet developed. In effect, the fry is free from the egg, but not developed enough to live in the outside world.

Assuming our fry emerged successfully from the egg, she will find that she is not able to swim yet because she has not yet developed a swim bladder. So, instead of investigating the environment, the fry in this larval stage will hang-swim, vertically, with an almost violent wriggling movement of the tail. When not attempting this awkward locomotion, the majority of its time will be spent hanging attached to walls and other surfaces. And, like the winter stasis that older koi go through, the fry must also be all about conserving precious energy, as this is in limited supply in this larval stage.

The breeder has provided the balance between adequate prey and limited water fouling that can result from unlimited feeding. Our fry at this stage is not at all like an adult koi; she is a pure hunter of live animal protein. Her gut is not like an adult koi's: it is very short, like a carnivore's, and of a high metabolic nature. The 'greens' she will get come almost exclusively from the stomach contents of her herbivore prey. She also acts like a carnivore in that she conserves energy and hunts—or even lays in wait—for swimming or moving meals.

The experienced breeder has thought all this through and has managed these needs, in some cases, for three generations of Japanese fish



The larva is fortunately blessed with an internal food supply: not like the energy supply it will one day store in liver, brain and white muscle mass, but rather a 3-4 day yolk supply used to continue the growth process of development as well as meet the operational and metabolic demands of the body itself.

The difference between infertile and fertile eggs is that the infertile ones are opaque and the good ones are transparent. Usually the infertile eggs are in clumps and start to grow fungus on them in the first few days.

The fry could not know that the breeder has taken great care to protect the embryo from pH shifts and other environmental changes that could affect water chemistry and kill the encapsulated fry before it even emerges. Disinfecting of all equipment has been seen to, as well as treatment of the immediate surroundings to discourage parasite infection from parents and general fungal growth on the eggs themselves. Still, some fry are going to be lost to gas bubble disease, infection, and general inability to adapt to the outside world. This is a game of attrition in which many fry will be born and struggle, while nature, which has no intention of allowing all to live, tests each individual for its worthiness and viability to live another day.



A mass of eggs, pure potential in pristine form...

Pretty handy—and certainly needed—as at this point our 'gal' has no mouth! In fact, she has no developed gut or gills as of yet! Instead, the gas exchange function is right through the sheer tissues of the body that separate the 'outside' from the 'inside.' This explains why fry are so very delicate: everything must be exactly right or our fry will be lost! Oxygen levels must be high as the gills will not develop for 1-2 days, even under ideal temperatures.

farming, so the methods are down to a science. Still, many things can go wrong that will end the life of our fry and its siblings, things that are out of the hands of our master breeder. Rain, floods, freak weather changes, die-off of a food supply, etc., are all part of Nature, and part of the huge risks both breeder and our fry face.

Soon our fry is a master hunter and beginning to look more and more like a miniature version of a young koi. Its skin is still poorly differentiated, and the swimming style is very fry-like because muscle masses are just not there yet for an adult-type swimming gait. It would seem that the worst of survival challenges is behind our fry, but in truth, the ultimate challenge is just beginning.



At 2 1/2 weeks, in a plastic cup.

Our fry has been busy in the egg until now, producing endogenous enzymes which gradually weaken the egg shell to allow for hatching. The breeder is an expert who assists the process by providing, among other things, an ideal temperature range for hatching. Too warm and our fry will emerge before it is developed sufficiently to have a chance for survival. Too cool and the hatching will be delayed and not move the process along at the rate of enzyme activity of the fry within.



At 2 days: Fry with the egg sack and tail protruding

At that point, our fry will swallow the tiniest bubbles from the surface and fill her newly developed swim bladder with gas. She is now free to swim and investigate her environment, which will be loaded with both prey and intense competition for that prey due to the massive number of siblings also present. Movement is still awkward, however, as the larva has only one elongated fin and has not developed her 'fin pairs' like the ones she will possess as a full-fledged fry.

The next few days and weeks are very important if the fry is to develop into an excellent nishikigoi adult. The fry must have adequate protein and good water conditions, and adequate light is very important now. This is because the fry is all about 'vision hunting' at this stage: she needs to see her food and find it readily, as her other sense organs are not fully

A strange object has appeared in the watery world of our koi fry, and panic has entered the school. It is not like the momentary alarm that spreads through the school when 'death comes from the sky,' or from the many giant hunters of the natural environment. This is something different, a wall that moves the school into a tight ever-closing circle.

Now something very strange happens to our fry. It is moved from one strange environment to another until it finds itself back in home waters.

The fry has survived the first of what will be many culling processes and is returned unharmed; only this time with less competition for the dwindling food supply. Indeed, even though the number of prey has lessened, the lower competition rate and the ability to maneuver better compensate. Rapid growth continues to favor our fry's survival chances.

If our fry could count, she would notice that what was once an army of siblings has

dwindled down to something like five percent of the original population. The natural and man-made live food supply has dwindled at this point, too, and many of the prey options don't seem to be the main focus of the fry any more.

Twice a day, when the weather is good, a new food supply 'appears' both at the surface and sinking through the water column. Its scent is strong and the young fry has identified it as an excellent food source, both from taste buds in its new barbels and also from memory, as it has already imprinted the sounds and shadows at a certain time of day as those associated with a meal. It is awkward at first for our fry to feed off the surface as its mouth is located on the underside of its head. But the resourceful fry soon learns that after the sinking pellets are consumed, there is more to be had at the surface. It learns to shift its continually deepening body into an opposite orientation, and instead of 'head standing' with its mouth positioned into the muddy bottom, it will now 'tail stand' with the mouth making contact with the surface, as if that were the muddy pond floor.



At 6 weeks, Showa pattern emerges.

The fish lives out that first year in a husbandry cycle. The culling has stopped and summer is a time of plenty. When the light gradually becomes less and the days get shorter, the food supply once again lessens. The nights begin to get cold and the young koi can feel the change. It is soon netted and placed in a concrete pond under strange muted lighting. The water is warm, but nothing like summer in the mud pond. There is no natural food, no substrate in which to browse.

One day comes when, instead of being netted, handled and returned to home waters, the young koi is isolated in a bright enclosure as shadows move overhead. Our koi is selected and soon finds itself in the restricted environ-

ment of a plastic bag. The promising female has been selected at auction for further individual attention. Our koi might find itself owned by an intermediary grower/breeder who will return the fish to his indoor facility for winter care. The following spring, the koi will be returned to a mud pond that is much less crowded than the conditions it has experienced to date. This is a summer of change for the two-year-old koi.



At 5 weeks, same plastic cup.

Our koi has turned out to be an exceptional example of its breed and, as such, it receives the very best of care. Instead of being one in a quarter of a million fry, it is now one of only two hundred koi, and it is slowly seeing its pond mates thinned. By age three, the fish is housed with only 40 others. She has become large and robust and shows all the signs of sexual maturity coming on.

But our koi is blessed and has seen the routine of three summers in the mud pond come and go. It is still a

primitive creature that flees at the sign of human presence. Yet it is drawn to the sound of man because he represents food. The domesticated carp lives in an in-between world, drawn to man while all the time trying to escape being captured by him. Yet one can see that this fish 'knows the routine' in the way it protests strongly, and then, in a moment, surrenders to the clever and seemingly all-knowing net. After all, this is a routine that the fish has experienced since it was a fry.

This koi might be transferred yet again to another, and even another, breeder before its 'final' sale. In that final sale the koi might have a serious show career, meaningless to the



Finished... Show quality

fish, of course, but ironically the reason for the pampered existence it has known all its life. It is also ironic that this fish will experience even more survival challenges now as it is shipped around the world, placed in a pond with conditions completely foreign to its previous experience, and possibly beyond the range of its powers of adaptability. She will likely spend some time at a dealer's shop and be treated for parasites, possible infections, and general stress. Then she will be sold. This koi will continue on and live out the rest of her days in a Western pond; hopefully, it will be a long and comfortable life for this one-in-a-million fry.

...Thanks to numerous websites for the various photos in this article. ~Peggy

Responsible Water Recycling

Given the continuing water scares and many wanting to recycle their pond water, this was an interesting concept. Found on a koi forum, it was admittedly commercial in nature, but I've toned it down and credit Russell Water Gardens & Koi with the idea. ~Peggy

Every pond owner backwashes biofilters, flushes settling tanks, and does partial water changes for the health of their koi. Where does all that water go? If we send backwash water to a storm drain, we're wasting it; and if we send it full force to the lawn or garden, we're wasting, too. And that's NOT recycling!

A good thing about our backwash water is that it is high in nitrates, the natural fertilizer made free by our ponds every day! We can go organic by using our own fertilizer factories—our koi! A system called HydroCology was developed by Russell Water Gardens as a backwash water recycling system. Consider the simplicity of it:

A pond's overflow line, the filter's backwash line, and the settlement tank drain lines all get connected to an above- or below-ground tank, so backwash water can be stored for irrigation and organic fertilization. An inexpensive submersible sump pump inside the tank, or a centrifugal pump outside the tank, pumps water to garden hoses, soaker hoses, and or drip irrigations systems.

It's not feast-or-famine fertilization—flooding the garden or grass each time you backwash or flush—it would be selective use on your chosen schedule. Backwash water doesn't have to be wasted, and water bills could be cut, too! You can also collect rain water from roof drains, driveway drains, and or yard drains as well!

Plants and flowers love 'fish fertilizer;' it's been used in the nursery industry for decades. I suppose the tank size would be determined by pond size, available space, and water-use habits; 175 to 1500-gallon tanks are promoted.

My question: Is that water filtered or strained before going to a soaker hose?

Footnote on Koi Spawning:

If your koi have not already spawned this year, they may soon. Be sure to test water parameters daily after the spawn, and be prepared to do numerous water changes daily to keep the ammonia level down. Stock up on a dechlor product before this event occurs. Always have a good supply of dechlorinator on hand for all emergencies.

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IKS hopes you enjoy a fun and informative association with our club! As a member, you get the advantage of having years of experience (mistakes and lessons) available to you, while at the same time there are enough newer hobbyist members that you don't feel you are the only one who is clueless on a subject. Ask questions!



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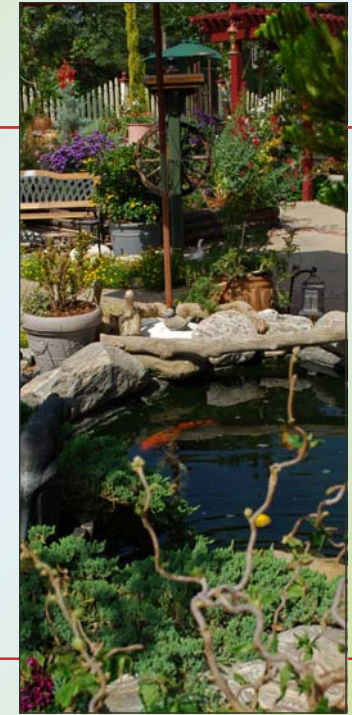
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**INLAND KOI SOCIETY
PROGRAM PLANNING CALENDAR 2009**

REGULAR MTG 4th Sunday	HOSTS Address	PROPOSED PROGRAM Speakers	BOARD Wed. after Mtg
July 26 Time Change: 4—7 PM	David & Claudia King 160 Paint Court Norco, 92860 (951) 898-9803	Mike Hernandez, All-Japan Show Koi Judge	Wed. July 29
August 22 <i>Saturday</i> <i>Annual Field Trip</i>	• Mission San Luis Rey • Bus Transportation & lunch provided by club • Reservation Required	• Tour, visit Koi Pond • Lunch at Ruby's Diner • \$15 per person due at sign-up or by Aug. 10	Wed. Aug 26
September 27	To be Arranged		Wed. Sept 30

2009

Coming Events	
J	10 AKCA BOARD MEETING ~ 6pm / 529 W. Blueridge Ave., Orange, CA 92865 / Call Kelly Houston at (909) 885-2503 for more information.
J	12 KOI CLUB SAN DIEGO ~ General Meeting / 1 pm. Hear recorded information (619) 713-2633
L	26 IKS GENERAL MEETING AND POTLUCK ~ 4:00-7:00 pm / Hosts will be David & Claudia King of Riverside / For more information, contact Mark Krakower at (951) 371-2223
Y	29 IKS BUSINESS MEETING ~ 7 pm / <i>All members of IKS welcome!</i> — 6531 Box Springs Blvd, Riverside / Mark Krakower at (951) 371-2223.

AUGUST

9	KOI CLUB SAN DIEGO ~ General Meeting / 1 pm. Hear recorded information (619) 713-2633
14	AKCA BOARD MEETING ~ 6pm / 529 W. Blueridge Ave., Orange, CA 92865 / Call Kelly Houston at (909) 885-2503 for more information.
22	IKS FIELD TRIP ~ 8AM-7PM / Meet the bus at 6531 Box Springs Blvd, Riverside / Tour Mission San Luis Rey with Pete Miles / Lunch at Ruby's Diner on Oceanside Pier / For more information, contact Gene Maingot at (951) 218-3060
26	IKS BUSINESS MEETING ~ 7 pm / <i>All members of IKS welcome!</i> — 6531 Box Springs Blvd, Riverside / Mark Krakower at (951) 371-2223.

**Wednesday - Sunday
May 19 - 23, 2010**

**Nashville, TN
AKCA 2010 Seminar**

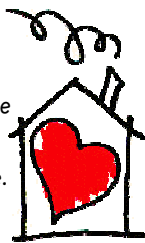


Trade Show, Classes, City Tour, Pond Tour

Start planning, start saving, start setting aside. IKS always has the largest contingent at the Seminar. Let's do Nashville together!

This is the house
Where families meet
To continue their lives,
To eat and sleep;
To find their strengths,
And dry their tears,
To look forward with hope
To better years.
This is the house
That becomes their home.

**This is the house
That love built.**



Pull One for Love! Ever notice the little piles of soda can pull-tabs that appear on the sign-in table at club meetings? Wonder why they're there? Today, pull-tabs serve a greater purpose in their afterlife as part of ongoing funding of the **Ronald McDonald House Charities** and the 150+ Ronald McDonald Houses in the U.S., Canada and overseas.

We don't do a good job of recycling at club meetings—tossing our cans and bottles out with the rest of the trash; we should have a place to put both—but we do at least pull the tabs. Many members save them up from home and work and regularly bring little tab-filled bags to meetings.

March 7, 2008, IKS turned in **39.8 pounds**, or approximately **50,600 tabs** (about 1265 tabs per pound!) at the Collect-A-Million Day for Loma Linda Ronald McDonald House. That was about two years worth of tabs. We're still collecting...for a turn-in next year. Save with us. Remember, **Pull One for Love!**

FYI: The Koi Health Advisor Program now has a new website

<http://www.koihealthadvisor.org>

and a new forum site

<http://koihealthadvisor.org/forum/index.php>

that members may be interested in. Although some portions of both sites are restricted for use only by Koi Health Advisors, there is public access to both with a wealth of information readily available. The Forum is a place where the public can get one-on-one advice and information from trained KHAs. Such sites always provide some fascinating reading!



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