

# *The Inland Koi Connection*



THE OFFICIAL  
NEWSLETTER  
OF IKS  
ISSUE 190  
APRIL 2012



GENERAL SUNDAY MEETING  
WITH POTLUCK 2 - 5 PM

**APRIL 22, 2012**

at the home of:

**LARRY & DEBBY  
LEVERETT**  
5349 Jasper Lane  
Riverside, CA 92506  
951 781-3887







Our meeting in March was held at Inland Koi's back parking lot with rainy weather in the forecast. The meeting started with overcast and threatening skies; as the meeting moved on, the rain finally came. The rest of the meeting was repeatedly interrupted with flashes of lightning, but there wasn't any sound which meant the lightning was a long ways away. We had 49 members and guests attend this stormy but informative meeting.

Jack Chapman gave an interesting presentation about feeding fish and filtering the pond water. As usual, Jack's talk was entertaining and detailed. It became clear from his presentation that overfeeding the fish can cause pond water filtration problems and that filters should be oversized or the feeding of fish needs to be scientifically controlled to provide a healthy pond.

Things to think about in the changing weather:  
~ Blanket Weed or String Algae in ponds is a nuisance that can grow 80 inches per day if not checked. The fish can't eat it fast enough to control it. Adding chemicals can be dangerous to the pond and koi with the odds of killing the fish for the average pond owner. The simplest answer to control this type of problem is to add a UV light clarifier to the plumbing system. This requires the least amount of physical labor and allows the owner to have more enjoyment time.

Raffle: Now that Mary Leever has retired, we need a member to step up to the plate and take on some of the responsibilities of running the monthly raffles. Mary did a great job for many years, in addition to her duties on the Board of Directors. The person who takes over does not have to be on the Board, but would work with someone from the Board; together they would continue to provide the raffles that our members love.

I am looking forward to this month's meeting at Larry and Debby Leverett's home and to seeing you there.

*Dennis Lynaugh*  
Dennis Lynaugh - IKS President

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I hope you will join us – Larry & Debby Leverett – at our house for a wonderful spring meeting. Mac McClain approached us because we have a garage big enough to accommodate an indoor presentation by our speaker, Galan Hansen; plus, if the weather is rainy (April showers bring May flowers...), we are pleased to share our home inside.

I've been busy removing string algae from the waterfalls, planting flowers, and trimming hedges. Lots of bulbs, trees, and bushes are in full bloom (I hope they last through April) and I am spotting birds building nests here and there.

Larry has just finished rebuilding our 400-gallon quarantine tank by his green house and is anxious to show it off. The new quarantine tank is something you just have to see and admire, it is awesome. It is a rock-scape with waterfalls also. It has 1/8th hp pump, a Bio Force 2000 filter and a 40 watt U.V. lamp.

Of our approximately 25 fish, five are our originally owned favorites. We've bought a few more and attribute the rest to spawning. Right now it appears a few are bearing signs of developing eggs. Through past spawnings, we've got an idea of which ones are female; so ☺ you never know – it may happen on the day of our meeting!

When we moved to this house, there was a Jacuzzi available under a red wood gazebo in the back yard. The gazebo was infested with termites and Larry was determined to remove it. He happened upon a fish dealer in Norco and learned of a fish called koi. He came home SO excited. He wanted to dig a hole beside our patio, relocate the Jacuzzi, and create a koi pond. Our property is on a huge hill of rock, so it wasn't an easy task.

I was throwing a bridal shower for the youngest of our four children and some guests heard we were building a koi pond; they wanted to have a look. I took them outside, explaining, "It's not quite done yet and we have no..." I stopped mid-sentence. There were fish in the pond! Larry had gone out and bought ten feeder gold fish, just to enhance the developed 'pond'.

In 2007, we remodeled our home and took advantage of the situation to build a 4,000 gallon pond with four waterfalls. It is a concrete liner with a water-proofer added to the concrete mix. It has two 4 inch

bottom drains and a 3 inch skimmer that gravity flow to a 300 gallon vortex with a micro screen pre filter. There are two 1/4th HP LIM pumps that push half the water to a 300 gallon sand and gravel filter and the other half through a 82 watt U.V. light. Then water goes through a 300 gallon moving bed bio filter that has an air pump which keeps the bio media moving at all times. From these 2 filters, the water flows down the waterfalls and back into the pond. We hired Leo's Construction to build the waterfalls and surrounding area.

I continue to be a gardener of flowers (except Orchids) and greenery, Larry continues to be a gardener of vegetables and fruit. Together we make the perfect pair for our hobbies, plus with a replacement of the gazebo, and spoiling our beautiful koi, we live a pretty good life.

As usual, wear your name badges, bring a chair, and please be sure to donate something delicious for our potluck!

We will see you here ~Debby Leverett, IKS Newsletter Editor

**PROGRAM:** Dr. Galen Hansen will present a slide show on his Japanese Koi Experiences: Judging Koi in Japan. Dr. Hansen has been in the hobby since 1981, is an AKCA Certified Koi Judge, is one of the founders and a member of Koi Club of San Diego and of the ZNA So Cal club. Some of his proud accomplishments include:



Galen H Hansen, MD  
Obstetrician &  
Gynecologist  
42 years experience

- \* Showing his koi in 88 koi shows and winning over 1300 prizes.
- \* Pioneering in the much-neglected subject of Koi Health, both by dis-seminating information as well as finally enlisting the involvement of some DVM's in the koi hobby.
- \* Spearheading the concept of adding a koi pond in the Japanese Garden in Balboa Park in San Diego.
- \* Starting and continuing the "Koi Judging" segment in KOI USA.
- \* Being the first *Koi Person of the Year* in Koi Club of San Diego.
- \* Organizing the first AKCA Seminar outside of Los Angeles in 1990.
- \* Having judged koi in Japan and Australia.



**DIRECTIONS FROM THE 91 FWY:**

- Exit off FWY 91 at Central Ave and go east.
- Left on Fairview, past 2 stop signs to Cornwall.
- Right on Cornwall. Immediate left on Shoemaker. 5349 Jasper Lane is the second house on right

**DIRECTIONS FROM THE 1215:**

- Exit off 215 on Alessandro and head west.
- Right on Fairview and continue as stated above.







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Inclement weather has never kept this die-hard crowd of koi keepers from a meeting, and this month was no exception as about 50 of us—including our several guests—crowded around the many display ponds at Inland Koi. A great turn out for such a day! We're just gluttons for punishment, huh? It's a wet world we fancy, so why not enjoy a taste of it ourselves once in a while! **Joe and Peter Cao** were wonderful hosts as always, and we thank them for their willingness to have us there on short notice. The shop was spotless, the waters crystal clear, and the new shipment of koi exquisite! They had even invited a friend-photographer to attend and capture the moments!

Never have I seen so many big hot dishes at one of our potlucks. Guess we all had the same idea, thinking warm comfort food to combat the chill. Joe had cleared space in the waiting room for two big buffet tables so the line could form outside the front door, under cover and out of the rain. Four EZ-ups were pushed together to give maximum coverage beyond the big roll-up door on the back side where everyone huddled their chairs tightly together, but as the chill turned to drizzle and then serious rain, the gaps became leaks (*Do they make gutters for EZ-ups?*) Though quarters were cramped and cold, anticipation of an excellent speaker kept everyone enthusiastic.

Limited business was covered so we could get to the meat of the meeting. Dennis welcomed our guests: **Frank Painter**, Jack Chapman's son, and **JJ Penland**, an Inland Koi customer; **Lloyd & Joy Rein** of Garden Grove, were referred by one of our members and chose to place membership with us, as did **David Williams**, a former member from Riverside, who returned and rejoined. **Nick Milfeld**, Pond Tour chair, reported briefly on the coming event and asked for a few more volunteer workers to sign up. Then we settled in to hear Jack...

Anyone who has heard him before knows **Jack Chapman** is a very knowledgeable and entertaining presenter. As Mac, our AKCA Rep reported, "Jack gave an outstanding talk on filters and how to use the size of your koi, and the food you feed them, in a formula (seemed similar to the formula of relativity) to try to avoid overloading your filter. He was not only informative but very funny. His sense of delivery kept everyone's attention...his lecture was like listening to Rodney Dangerfield and Albert Einstein all combined."

No way was I alone in being in over my head. Besides not being able to see the wonderful charts he had prepared as illustrations, I'm not the technical one in the family, so I was thrilled when Jack graciously supplied us with a summary of the presentation. So, here goes... from Jack with love:  
*Hi All! I sure enjoyed my time with you all at your last club meeting and I took six new koi home with me, but I did cover a lot of info in the rain and cold. I was asked to do a review of my session for your outstanding newsletter (best I've seen) - so hope this helps. ~Jack*

**Does your filtration system sufficiently handle the daily ammonia (NH<sub>3</sub>) and fish-waste load?** That was the question, and the process to answer it has several steps to complete:

1.) **How much do your koi weigh?** Using a koi length chart,<sup>1</sup> convert each your koi's length to ounces or grams. After 12" in length, I like adding 15% for females and subtracting 15% for males. And yes, I'm anal, so I weigh each of my koi once a year. You need this info so you can estimate the amount of Ammonia (NH<sub>3</sub>) the total-koi-weight will produce in a 24-hour period. Compute, assuming 0.1 gr of NH<sub>3</sub> per 1,000 gr of koi body weight, and 1lb = 453.60 gr.

*Example: 100" of koi = 274,909.091gr body weight (rounded to 275,000 gr)  
10,000 gr body weight → 1.0 gr NH<sub>3</sub>*

*Therefore, 275,000 gr body weight → 27.50 gr NH<sub>3</sub>*

2.) **How much are you feeding your koi?** I passed out copies of the temperature-adjusted feeding chart I use with my koi, based on 2% of weight for adults (age 4+) and 4% for young koi (under age 4). Remember that 1lb of koi food with 35% protein will produce 14 grams of ammonia (NH<sub>3</sub>). Not covered during my presentation, but using the nitrogen content of protein in koi food at typically 16% and running the atomic weight math, resulted in my using the following

values per pound:	36% Protein = 14.25g NH <sub>3</sub>	37% P = 14.75g NH <sub>3</sub>
	38% P = 15.00g NH <sub>3</sub>	39% P = 15.50g NH <sub>3</sub>
	40% P = 16.00g NH <sub>3</sub>	

Now you can figure out the amount of NH<sub>3</sub> produced by total-food-weight (how much food you are feeding, which can be weighed on a kitchen or postal scale) in a 24-hour period.

Note: Your pond is also producing NH<sub>3</sub> through the oxidation of all decomposing organic compounds in the water column and it goes beyond the boundaries of this discussion to compute that, but it goes without saying that a clean pond, low pollution levels (ORP), keeping up with pond maintenance, and water changes, will keep this form of NH<sub>3</sub> production to a minimum. I remember reading in an AKCA article "The solution to pollution is dilution."

3.) How many square feet of surface area does the media in your Bio filter provide? I had a chart for the presentation that listed surface area in square feet per cubic foot and the numbers came from research over the internet and available at several sites. You will need to do a little looking. Also, you can add the square feet for the walls of any chamber and pond plus inside surface area for pipes and any other available surface area, such as surfaces in your pre-filter. I count all this additional area beyond my Bio-Chamber as my added insurance factor to deal with daily NH<sub>3</sub> production.

4.) How much Ammonia (NH<sub>3</sub>) can my filter/pond metabolize in 24 hours? It takes 50 sq. ft. of surface area to metabolize 1 gr of NH<sub>3</sub>. So total-surface-sq-ft divided by 50 will equal how much NH<sub>3</sub> your filter / pond can metabolize / eat-up / convert-to-Nitrite (NH<sub>2</sub>) in 24 hours. Using the info derived in steps 1 and 2, you can establish your koi NH<sub>3</sub> daily load by adding koi-weight daily-NH<sub>3</sub>-production and daily food-weight NH<sub>3</sub>-production and divide by 50. But, we are not done yet.

Formula: Koi NH<sub>3</sub> daily load =

*(koi-wt daily NH<sub>3</sub>-production + daily food-wt NH<sub>3</sub>-production) ÷ 50*

5.) How much koi-weight can your filter/pond support? Koi produce 1/3 their body weight in waste per day; we use this fact to extrapolate total-koi-weight (water volume adjusted) our filter/pond can support. Each sq.ft. of filter/pond surface area can metabolize 0.20gr of koi-waste per 24 hrs. So, your total available sq.ft. times 0.20 will equal total grams of koi waste the filter/pond can metabolize in 24 hrs. Based on the 1/3 waste production, we can now multiply your total-waste-capability times 3 and we have in grams the total koi-weight the filter/pond can support minus a water volume adjustment of 1.1 per thousand gallons of water in your pond total volume. Remember, "solution to pollution is dilution."

Example: For a 10,000-gal pond, 10x1.1 = 11. Now multiply your calculated total weight-capability times your water-volume-adjustment calculation for a resulting total koi-weight filter/pond capability in grams. Then convert your answer to pounds by dividing your answer by 453.60. This number is the total-koi-weight in pounds your filter/pond can support and may give you pause about some things you may be needing to think about doing to improve the quality of the pond environment you are providing your koi.

There are a host of things you can consider doing based on your results from using the above process, but that's for another day....

**K**nowing how to apply all this will be the challenge of the year! Will you try?  
**O**verload!! My head was swimming with details! Jack was fascinating and we so appreciate the summary above!

**I**n the lingering minutes of the day, **Orville & Sandy Hanson** called the raffle, including four koi donated by Inland Koi, and all rushed home to thaw out!

<sup>1</sup>Find a Koi Calculator at <http://www.watergartenworld.com.au/KoiWeight.html>

<sup>2</sup>Articles on Temps: <http://koiclubsandiego.org/library/temperature.php> ;  
[http://www.hikari.info/topics/to\\_06.html](http://www.hikari.info/topics/to_06.html)

Respectfully submitted, ~Peggy Milfeld, Secretary



On 12 February 2012 Jack Marrin and Larry Leverett returned to the W. Lim facility in Mira Loma, CA, to continue with their pond pump testing endeavor. Orville Hanson also accompanied them on this trip, bringing along his backup Sequence 4500SEQ21 pond pump. They were met at the facility by William Lim.

Two minor changes were made to the W. Lim pump testing station that was pictured in the January IKS Connection article. The original setup did not meet the manufacturer's specifications for the installation of the digital flow meter as two unions were mounted too close to the meter's input and output. A longer section of continuous PVC pipe was used to replace the original section and the unions were not utilized. In addition, the PVC pipe utilized was clear versus the normal white, which allowed the testers to observe the water flowing through the pipe. This insured that the digital flow meter paddle wheel was properly immersed in the water flow. Before and after testing indicated that the changes made between a one- and two-percent difference in the indicated flow for the same pump. As this was such a minor difference, the measurements taken during the January testing are still valid.

Two pumps were run through a complete series of testing to allow a comparison between the pumps' actual performance and the manufacturer's performance curve. The first pump tested was Orville's Sequence Model 4500SEQ21. This pump was approximately six years old but had never been used; it is kept as a backup spare for the two pumps in use on Orville's pond. After giving the pump a warm-up period, the unrestricted flow was measured. The gate valve was then partially closed until a 2 psi backpressure was achieved and the flow was again measured. This was continued at 2 psi intervals until the pump flow was zero. The results of these tests are plotted in Figure 1 along with the manufacturer's performance curve for this pump.

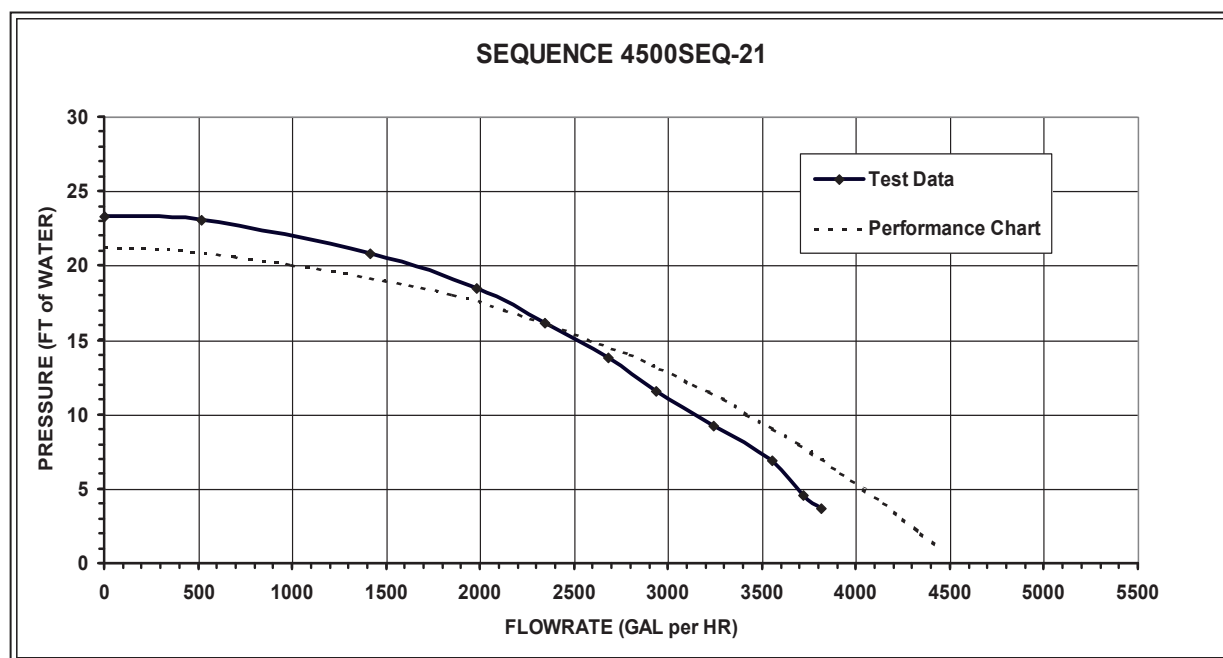
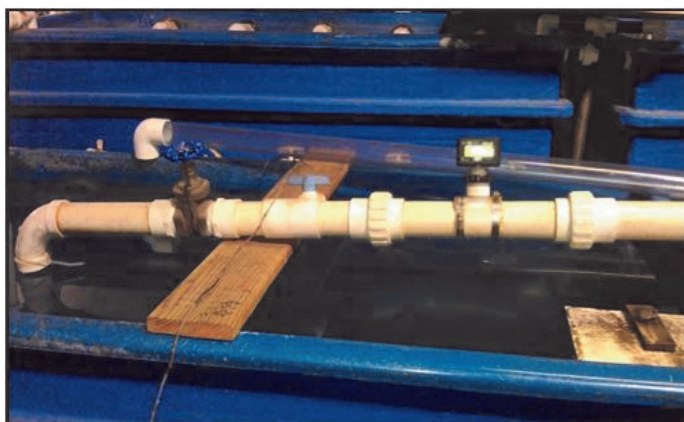


Figure 1. Test results for Performance Sequence 4500SEQ-21 Pump



The second pump tested was a Performance Pro Cascade Model C1/4-49 supplied by William. This pump was run through the same series of tests as the first pump. The results of these tests are plotted in Figure 2 along with the manufacturer's performance curve for this pump.

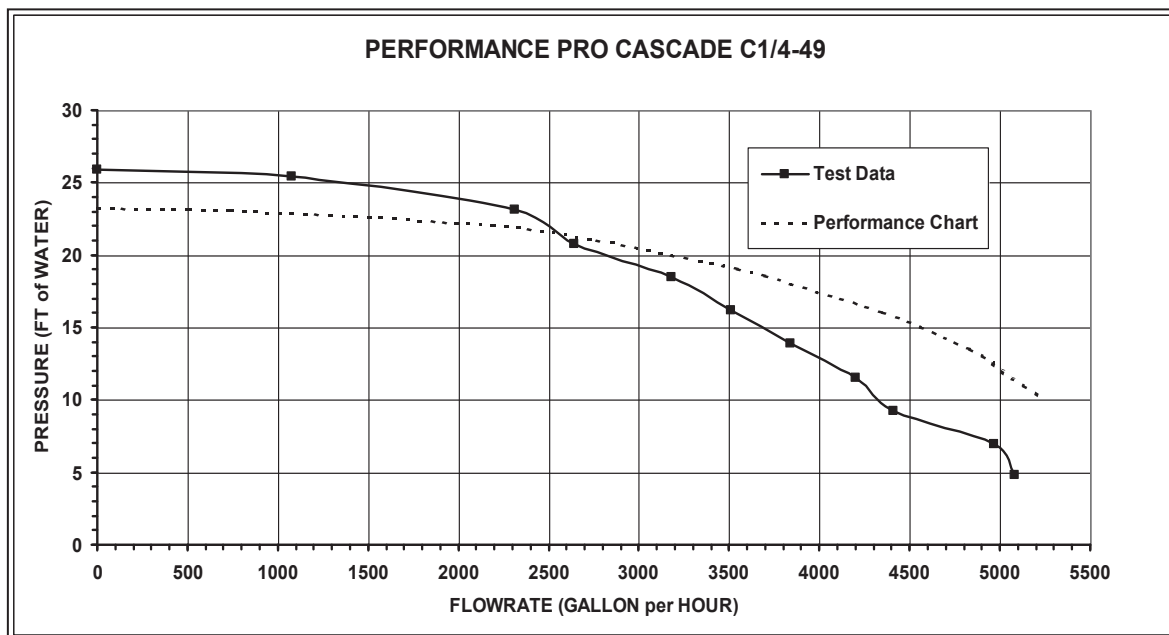


Figure 2. Test results for Performance Pro Cascade C1/4-49 Pump

Neither pump performed to the manufacturer's published performance curve exactly. However, the difference between measured performance and the manufacturer's specifications were significantly higher with the Performance Pro pump. At 10 ft of head the measured flow was 915 gph less than the performance curve value, and at 15 ft head the difference was 875 gph. This represents differences of 17 and 19 percent, respectively. If one had used this performance curve to pick the right pump for their pond – after calculating the height the water is lifted and the friction loss in filters and plumbing – the actual performance delivered would be significantly lower than expected. With a sample size of only one, it cannot be determined if this amount of difference could be expected from other Performance Pro pumps.



W. Lim Corporation utilizes their pump test lab to help in the design of their pumps and to insure that the customer receives the performance expected from each of their pumps. We thank William for allowing us to use his pump test facilities and look forward to further work in this area with him.

## WELCOME

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AUDREY ROWLAND	RIVERSIDE	01 - 12

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It doesn't matter how large  
the koi, they are sexually  
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grow very large. Some do.

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[carolynw@microbelift.com](mailto:carolynw@microbelift.com)



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## How to Take Koi Portraits

By Ray Jordan (last revision February 2010)

Koi portraits are the type of photos you need to submit to a koi magazine or for a koi photo contest like AKCA Koi of the Year. Pond photography or group shots of koi in their pond are a completely different topic and are in fact more difficult in my opinion than koi portraits.

Good koi photography is not easy but can be accomplished with some practice and knowledge. Helping someone else take koi portraits is very helpful and will save you a lot of wasted shots. Study the best koi photography in koi magazines to get an idea of proper composition and results. I am going to offer some tips and suggestions on taking koi portraits.

There are two key aspects to taking good koi portraits:

- Equipment: camera, lenses, filters, flash, printers, tubs, etc.
- Technique: photographic techniques useful to getting better koi portraits.

### ► EQUIPMENT:

**CAMERAS:** Any good quality camera can be utilized. Photographic technique and a good amount of luck play a large role in how your photos will turn out. Digital cameras are here to stay and the future of regular film and regular film cameras seems likely to all but disappear. If you are planning to buy a camera, I would suggest you make it digital. For purposes of this article I am going to focus on using a digital camera, but the basic techniques would be the same for any camera. The key features I would look for in a digital camera are:

- Speed of Capture** (very important) How long from the time you push the shutter until the photo is captured. Koi move quickly so you want a fast capture rate. Yes, faster speeds are mostly found on medium to high-end models.

- LCD Screen:** Large, easy to see LCD screen in sunlight.
- Quality Lens** that has threads in the front to accept a polarizing filter to reduce surface glare.
- Built-in flash** that will recycle rapidly.

**LENSES:** The quality of the lens determines the quality of your photos. Some newer digital cameras are built to utilize regular photographic lenses which generally have better quality than fixed non-changeable lenses. A good lens choice is something like a 28mm - 75mm zoom. This provides the ideal range to cover most koi photo situations. Zooms are also very useful as they allow you to zoom in on the koi without having to get so close that you spook the subject.

**AUTO FOCUS:** Auto focus is very helpful, but you need to understand its limitations. Red pigment on curved surfaces totally confuses auto focus systems causing out-of-focus photos. To avoid this, focus on the pupil of the eye or the leading edge of the dorsal fin as your auto focus needs an optical contrast to auto focus on.

**Printing Digital Photos:** Use a special photo printer with special photo inks and paper or take your camera/disk to a photo processor to process your photos. Printing photos on a normal home printer with regular paper creates a poor image.

### ► TECHNIQUES:

Now comes the tricky part. Forget trying to get a decent portrait in your pond: it just won't happen. It is very helpful to have an assistant to help you handle and photograph koi. Not only can they do the koi netting and such to help you keep your hands and camera dry, but they can also help with positioning the koi, etc.

**Photo Tub:** The color and shape of photo tub is important. Use a medium blue tub as lighter or darker colors tend to affect the koi

and photo colors. Rectangular tubs work much better than round as koi tend to swim around in circles next to the edge in round tubs.

**Water Level:** Too shallow and the surface will continually be broken and the koi shape will look deformed. Too much water will also distort the koi image. Usually you need to cover the raised dorsal fin by about 2-3 inches to get it just right.

**Tub and Photo location:** Select a location that is safe as possible for the koi and in a solid shaded area. Never leave a tub with a koi unattended, or make sure the tub is securely covered.

**Photo Angle/Position:** You want to take the koi portrait from the front, head-on, at about a 60 degree angle to the water level. Shoot from too low an angle and the koi's head appears gigantic and the rest of the body tiny. Shoot from too high an angle and the flash will bounce off the surface and obscure the koi. Shoot in portrait or vertical position, NOT landscape/horizontal position. Do not waste time taking shots of the koi from the side, rear or odd angle. Straight, head-on is what you want.

**Framing:** Do not zoom in too close. You need the entire koi in the photo from head to tip of tail. Try to keep the koi in the center of photo. Another advantage of digital photography is you can use photo software to crop or rotate your photos slightly to the desired effect. Make sure the koi is in the center of the tank and not hugging the sides or has its nose in the corner. It is important that the photo emphasizes the imposingness of the koi. The most important features are the pectoral fins: they should be extended in a normal relaxed position and not clamped to its sides or twisted/reversed as the koi back pedals out of the frame.

**Each year, members submit up to 3 pictures of their best koi for the club's vote. The winning 'Koi of the Year' photo is sent to AKCA for voting at the Annual Meeting for the 'AKCA Koi of the Year.'**

**Also, think of a superior and helpful member you have noticed in the club and nominate him or her for 'IKS Koi Person of the Year.'**

**Patience:** This is the hardest part for me. You need patience to wait until the koi is still. Don't chase it round the tub: this will not work, but it will spook the koi and frustrate you. Take lots of shots. This is an advantage of a digital camera: you can tell when you need more shots or when you have gotten the one you want.

**Focus:** Usually the camera will do this automatically. However, it's critical that you hold the camera very steady and squeeze the shutter gently, without shaking the camera, as this will ruin the focus. Place the focal target on the koi's eyes or front dorsal ray and you will usually get pretty good results. If the tail is slightly out of focus it is OK but the front and eyes of the koi must be sharp to be a good photo.

**Flash:** Best results are obtained in a solid shaded light augmented by controlled flash photography. Keep your camera/flash angle at about 60 degrees to the water surface to control flash from being reflected back into your lens.

**Surface Glare:** Glare is a major problem in koi photography. Having the ambient light coming in at a side angle will help but better is to use polarizing filters. Professional koi portraits are made by photographing indoors where no natural light shines on the tank water in the dark!

### ► EXTRA TIPS:

- Practice, Practice, Practice – It takes practice to get the hang of koi photography.
- Find a koi photo buddy and help them take photos and get them to help you.
- Volunteer to help with photos at a koi show and learn from someone in person.
- Prepare properly - make sure you have everything ready before catching koi.
- Be aware of glare and angles.
- Be patient, move slowly, and get away from anything that will spook the koi.
- Take lots of shots!

Give it a try! Then bring 4" x 6" sized pictures of your Living Jewels to be voted on [this month](#) as the IKS Koi of the Year. D.L.





### INLAND KOI SOCIETY MONTHLY PLANNING CALENDAR 2012

REGULAR MTG 4th Sunday	HOSTS & City	PROPOSED PROGRAM Speakers	BOARD Wed. after Mtg
April 22	Larry and Debby Leverett - Riverside	Dr. Galen Hansen - Koi in Japan & Judging	April 25
May	No General Meeting	Pond Tour on June 3	May 30
June 24	Steve and Laura Nyirady - Yucaipa	Mark Whalen - Pond tips (Improving Quality of Pond and Fish)	June 27
July 22	Miguel Sierra - Murrieta	Shawn McHenry, Mystic Koi - Topic to be determined	July 25
August 26	Pam Spindola - Santa Ana	Pam Spindola - Slide show	August 29
September 23	Patricia Hurley - Cherry Valley	Spike Cover - Topic to be determined	Sept. 26
October	Bus Trip	Destination - Pending	Pending
November 18	Jerry and Pat Mall - Temecula	Pending	Nov. 28

#### 100th Annual Flower Show and Garden Tour

Saturday-Sunday, April 21- 22, 2012

Hosted by Redlands Horticultural & Improvement Society.  
"Celebrating 100 Years!" Garden Tour and Uncommon Plant  
Sale / ESRI Campus, 380 New York Street, Redlands.

*The home of Jack & Norma Marrin, members of IKS, will be  
included on the Garden Tour.*

You don't want to miss THIS one! (909) 793-1016

### SATURDAY, MAY 5TH

ATTENTION POND AND WATERGARDEN ENTHUSIAST

### PONDAPALOOZA 2012

SUMNER AVENUE WATER GARDENS and  
the HIGH DESERT KOI FANCIERS present:



HIGH DESERT KOI FANCIERS PONDAPALOOZA 2012 FUNDRAISER  
AT THE HOME OF WALT & MARY FRAME, LANCASTER, CA.

- |                             |                                 |                                      |                              |                         |
|-----------------------------|---------------------------------|--------------------------------------|------------------------------|-------------------------|
| ●10 AM<br>Guest<br>Speakers | ●11 AM<br>Live<br>Mariachi Band | ●12 NOON<br>Catered<br>Mexican Lunch | ●2 PM<br>Live Koi<br>Auction | ●3:30 PM<br>Huge Raffle |
|-----------------------------|---------------------------------|--------------------------------------|------------------------------|-------------------------|

COST: \$20.00 PER PERSON /INCLUDES 2 FREE RAFFLE TICKETS  
PER PERSON — RSVP BY APRIL 15th — NO REFUNDS

COPY / COMPLETE FORM AND MAIL TO MIKE PRZEWOZNIK, 27837  
SUMNER AVENUE, SANTA CLARITA, CA. 91350 (661) 297-0563

NAME: \_\_\_\_\_

PHONE: \_\_\_\_\_

ADDRESS \_\_\_\_\_

# PEOPLE ATTENDING: \_\_\_\_\_ TOTAL ENCLOSED: \_\_\_\_\_

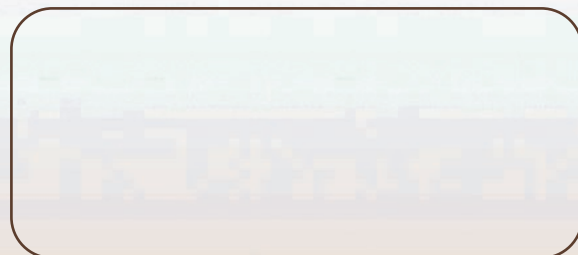
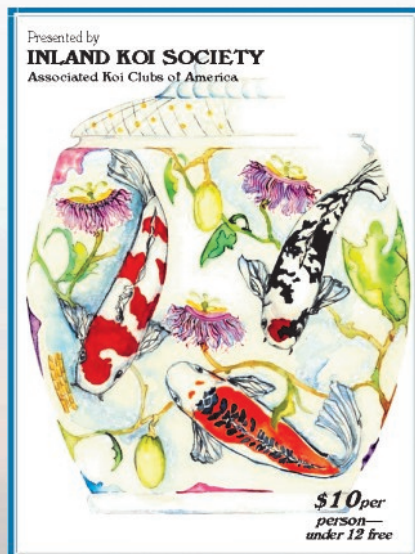
### Coming Events

2012 APRIL	14-15	<b>RIVERSIDE FLOWER SHOW / GARDEN TOUR</b> ~ \$10 / Elks Lodge, 6166 Brockton Ave, Riverside/ (951) 777-0746 / IKS will feature a koi pond in the lobby as we have in the past. <a href="http://www.RiversideFlowerShow.info">www.RiversideFlowerShow.info</a>
	14-15	<b>FULLERTON ARBORETUM GREEN SCENE</b> ~ 10am-4pm / 1900 Associated Rd., Fullerton, CA / \$6.00 / (657) 278-4798 / Outdoor garden event. Green Scene is the spring event to find bulbs, succulents, organic vegetables, varietal plants, garden accessories and garden products. <a href="http://fullertonarboretum.org/event_green.php">http://fullertonarboretum.org/event_green.php</a>
	15	<b>FALLBROOK AVOCADO FESTIVAL</b> ~ 9am-5pm For GPS use Fallbrook Union High School: 2234 Stage Coach Lane, Fallbrook to get into the outer limits of Fallbrook/ Avocado and Guacamole contests, Arts & Crafts, & 350 Unique Booths / <a href="http://www.fallbrookchamberofcommerce.org">www.fallbrookchamberofcommerce.org</a>
	20-22	<b>LARGEST PET AND PET PRODUCT EXPO</b> ~ 10am-6pm / OC Fair and Event Center, 88 Fair Drive, Costa Mesa, CA / see info at left.
	21-22	<b>100TH ANNUAL REDLANDS FLOWER SHOW AND GARDEN TOUR</b> ~ See information on the left of this page. <a href="http://www.rhis.org">www.rhis.org</a>
MAY	22	<b>INLAND KOI SOCIETY MEETING &amp; POTLUCK</b> ~ 2:00-5:00pm at Larry & Debby Leverett's house in Riverside. For more information call (951) 398-7048 or (951) 781-3887
	25	<b>IKS BUSINESS MEETING</b> ~ 7pm / All members of IKS welcome! — 6531 Box Springs Blvd, Riverside / Dennis Lynaugh (951) 780-0123
	02	<b>ANDREWS KOI ANNUAL KOI GROWING CONTEST</b> ~We got in some 4"-6" koi from Ogata Koi Farm. 1650 South Brookhurst St., Anaheim, CA 92804 ~ ph. 714-778-8888 <a href="http://andrewskoi.com">andrewskoi.com</a>
JUNE	05	<b>PONDAPALOOZA</b> ~ See info at left.
	13	<b>MOTHERS DAY</b> ~ CELEBRATE LOVE!
	11	<b>AKCA BOARD MEETING</b> ~ 6pm / 529 W. Blue-ridge Ave., Orange 92865 / Call Mac at (951) 398-7048 for more information.
	16	<b>IKS POND TOUR COMMITTEE MEETING</b> ~ 7 pm / Milfeld's home. 1644 Northampton Drive, Riverside, 92506 / (951) 780-7395
	28	<b>MEMORIAL DAY</b> ~ Always remember and be proud of the USA
JUNE	30	<b>IKS FINAL POND TOUR MEETING</b> ~ 7 pm / All home owners & members involved meet at Jack Marrin's house - 1225 Cajon St., Redlands 92373 - Call Nick for more info (951)780-7395
	03	<b>IKS POND &amp; GARDEN TOUR IN REDLANDS</b> ~ \$10. 10 am - 4 pm - All seven of the houses within a radius of 10 miles. Watch for more information. <a href="http://inlandkoiociety.org">inlandkoiociety.org</a> (951) 780-7395
	08	<b>AKCA BOARD MEETING</b> ~ 6pm / 529 W. Blue-ridge Ave., Orange 92865 / Call Mac at (951) 398-7048 for more information.
JUNE	24	<b>INLAND KOI SOCIETY MEETING &amp; POTLUCK</b> ~ 2:00-5:00 pm. Hosts Steve and Laura Nyirady - in Yucaipa. For more info (951) 398-7048
	27	<b>IKS BUSINESS MEETING</b> ~ 7pm / All members of IKS welcome! — 6531 Box Springs Blvd, Riverside / Dennis Lynaugh (951) 780-0123



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

Return Service Requested



Hopefully you have **volunteered** for the June 3rd 2012 IKS Pond & Garden Tour. Sandy Hanson is the artist of this year's logo and design. Her design will be printed on all the Pond Tour Host's and Volunteer T-Shirts.



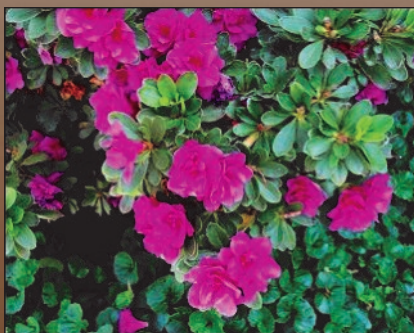
PENDULUM ORCHID



CURIOUS MATSUBA



STAG HORN PLANT



AZALEA



PELARGONIUM

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