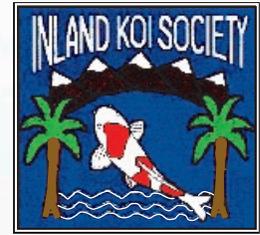
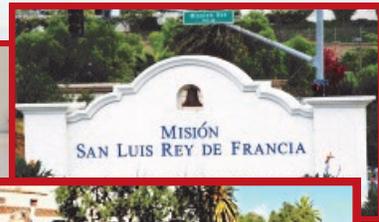
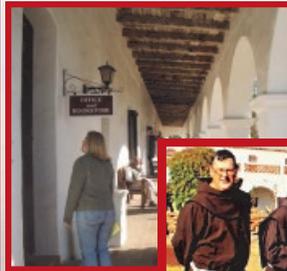


# *The Inland Koi* *Connection*



THE OFFICIAL  
NEWSLETTER  
OF IKS  
ISSUE 209  
FEBRUARY  
2014



IKS General  
Pot Luck Meeting  
2:00 - 5:00 PM

**SATURDAY-FEBRUARY 15**

*Joint Meeting with the  
Koi Club of San Diego*

4050 Mission Ave.  
Oceanside, CA 92057  
(760) 757-3651





Greetings,

Our January meeting was held at Edward-Dean Museum in Cherry Valley. The museum began as the private collections of two art dealers, Edward Eberle and Dean W. Stout. The museum is now the property of Riverside County.

The koi pond is maintained by two of our members, Steve and Laura Nyirady. Upon viewing the pond, I can truly say this is the best I have seen this pond look. It is obvious the Nyiradys have done a fantastic job of maintaining it. The pond has about 15 large koi and 10 smaller ones.

At the meeting, I informed everyone that our Vice President, Rey Quirong, has resigned due to personal reasons. Rey was a good director and vice president, and he will be missed. Due to his resignation, and director Bob Henry choosing not to run for another term because of long work hours, we had a number of jobs that we needed covered.

Upon appealing to the membership for help, I'm happy to say they came through. Audrey Rowland volunteered to take over the job as the club librarian. Bob Henry agreed to continue to bringing sodas to the meetings. Finally, a decision was made that, rather than having one person keep and bring the speakers and sound equipment to every meeting, the equipment at each meeting would be given to the family that will host the next month. My wife, Jill, volunteered to become the coordinator of this, keeping a record as to who has the equipment and to whom it will be transferred next. I thank the members who stepped forward, but we still need someone to transport four EZ-ups to our meetings. Please let me know if you can undertake this job; it requires a truck.

I was privileged to present Mariano Palpallatoc with a plaque for the IKS club's Koi of the Year award.

Our speaker for this month, IKS member Orville Hanson, gave a presentation about UV lights and how to choose the correct one. Orville's presentation was quite outstanding. He took a somewhat complex subject and simplified it for the members. His talk, accompanied by his slide show, was well received.

After I told everyone that we were short the number of people we needed to rent a bus for the February 15 joint IKS-Koi Club San Diego meeting, I was pleased so many members signed up for it. Thank you! The meeting will be at the Mission San Luis Rey, Oceanside, and the bus will leave from Jack Marrin's office.



A big thanks to Nick Milfeld for taking on the job of inducting and introducing the 2014 officers and directors.

Finally, we had our pond tour chairman, Larry Leverett, speak about the 2014 IKS tour, which will be held in the Riverside area on Sunday, June 1. He is asking Riverside members to think seriously about sharing their ponds that day. Call him for more information or to volunteer (951.781.3887).

**Mac McClain, IKS President**

*Thought of the month:* "Be like a duck. Calm on the surface, but paddling like the dickens underneath." - Michael Caine

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**~ HELP LINE ~**

**REFERENCES**

|                            |                |                |
|----------------------------|----------------|----------------|
| • INFORMATION:             | JACK MARRIN    | (909) 792-3603 |
| • KOI HEALTH:              | TOM WRIGHT     | (951) 637-5479 |
| • LIBRARIAN: Books, Videos | AUDREY ROWLAND | (951) 233-3671 |
| • MEETING SITES:           | PETE MILES     | (760) 705-5800 |
| • MEMBERSHIP:              | ROB FALES      | (951) 279-0181 |
| • NEWSLETTER ADS:          | PETE MILES     | (760) 705-5800 |
| • AKCA REPRESENTATIVE:     | MAC MCCLAIN    | (909) 225-2346 |

This month Koi hobbyists are in for a real treat-our usual Sunday meeting has been changed this one time to a Saturday afternoon and will be a collaboration between the Inland Koi Society and the Koi Club of San Diego. The meeting will take place in Oceanside at Mission San Luis Rey, where the pond and koi are over 50 years old. The potluck meeting will be conducted by presidents Mac and John, and includes a description and viewing of the pond, an exclusive tour by one of the members of our clubs. Some in attendance belong to both clubs and the theme of this meeting is the sharing of ideas and resources as we further our love of Koi. No need to bring chairs, just your potluck food items.



**PROGRAM:** We welcome **Frank Painter and Pete Miles as co-presenters** who had to overcome some real challenges as they built Pete and Kazuko’s koi pond in San Diego. The topic is *The factor of 4 in planning and building a pond.*

~Pete Miles, IKS Editor

*Welcome IKS and KCSD members,*

“Friends of Koi” are a small group of volunteers who care for the 19 koi of varying sizes and the seven turtles in the



parish koi pond located by the parish chapel. This pond was built in 1955 by the Sisters of Precious Blood. They

created a place of quiet retreat and reflection beside the chapel where weary folks could stop for a few moments and be refreshed by the wonders of God’s creation. The pond was rebuilt in 2012 with a new concrete liner and updated filter system. The pond is a favorite spot for school children and tourists visiting the mission, as well as parishioners going to and fro from the chapel. Our oldest koi in the pond, **Perry Mason**, has been featured in hundreds of wedding photo albums. He must be one of the most popular wedding fish in the world because he is golden brown, and brides tell me that the fish is “lucky”.

Speaking of fish, all of the fish are donated. Several of the fish in the pond are more than 55 years old. Troy and the great guys at Koi City also help us care for the pond. They do the more difficult work of filter cleanings and mechanical and plumbing maintenance.

We’ll all be meeting together at the koi pond at 2 pm or so

to see the fish. We are treating for some parasite action right now, so the Koi Keepers are looking forward to the advice of not one – but two clubs!

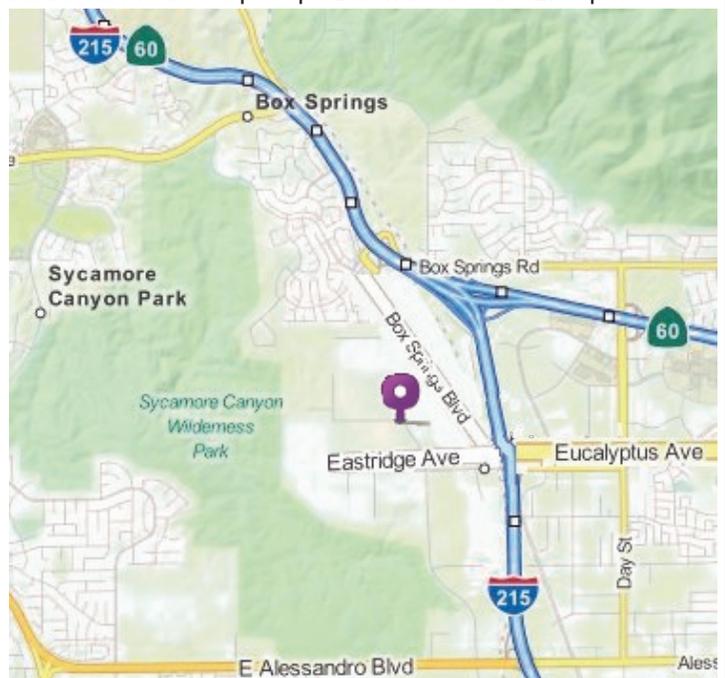
At 2:15 pm, I’d like everyone to join us in the Parish Dining room for our potluck luncheon. At 3 pm I will lead a group into the Mission gardens for about a 40 minute look around the historic Mission, and the plants, flora and fauna. The Old Mission Church and Museum will be open for tours until 4:00 pm. If you want to see the church and artifacts in the museum, plan on a donation of \$5 or \$6 depending upon your age. By 4 pm we all should be back in the dining room for the rest of the meeting, our speakers’ presentation, and the drawing.

*In the spirit of St. Francis, I welcome you to Old Mission San Luis Rey!* *Karen Willson*

**Directions for Drivers:** Coming South on the I-15 Fwy, exit at the CA-76 west and drive approximately 13 miles and turn right onto Rancho Del Oro Rd. Take that into the mission parking lot.

Coming north on the I-15 Fwy, exit at CA-78 west, and drive approximately 15 miles to El Camino Real. Turn right to go north, then turn right onto Mission Rd (at the B of A). Go 1/4 mile and the white mission will be on the left.

**Directions to Scott-Marrin Bus Riders:** From the 215 Fwy, exit on Eastridge/Eucalyptus off ramp and head west on Eastridge Ave. Go to first stop sign (Box Springs Blvd) and turn right (north) to second building on the left. Park at Scott-Marrin, Inc.’s secure parking lot in front of the business. Please be prompt! Bus will leave at 12:30 pm.



**Adding UV to Your Pond System**

~A summary of Orville Hanson's presentation

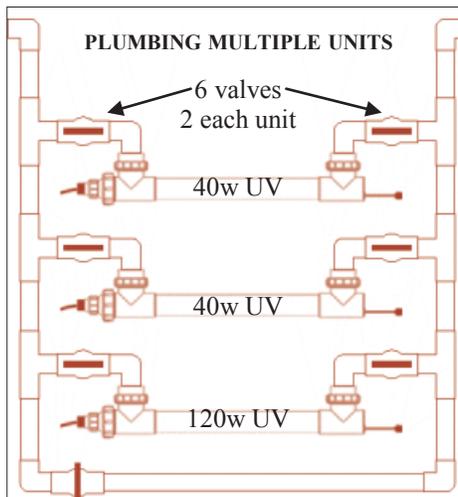
A complete pond system should include four provisions for treating your water: a *mechanical filter* to remove larger material from the water; a *biological filter* to convert ammonia to nitrite, and nitrite to nitrate by bacterial action; something to *polish* the water, removing fine dissolved organic carbons and colors; and a *sterilizer* to kill parasites and single-celled algae. Ultra violet light and ozone can be used as sterilizers, but UV may be the more common.

UV is relatively easy to add to an existing system and is effective in killing free-floating parasites and clearing green water. Maintenance is minimal, but does require changing the light bulb annually and keeping its quartz sleeve cleaned.

Most UV lights can be installed either vertically or horizontally, whichever fits best in your configuration, but it should follow or come after a high-quality mechanical filter in your system, preferably just before the water is returned to the pond. Situate it in a way that allows for easy removal of the bulb and where the unit will be protected from direct sunlight and possible flooding. Water flow through the unit should always have the quartz tube fully submerged in water. Ball valves at the input and output of the unit and a bypass will allow the unit to be isolated without interrupting water return.

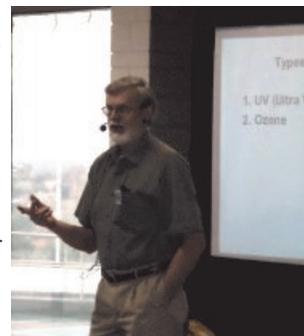
Multiple units can be plumbed in such a way that output can be controlled to satisfy seasonal needs and to get the most efficient power usage. For instance, Orville has three units, two standard 40W units and a single high-output 120W unit. With these he can open and close valves to have 40, 80, 120, 160 or 200W output, depending on the need. He can also totally bypass them all. The 200W rate is used on the hottest days and in seasons of heavy- or over-feeding.

Assuming a 40W unit using 350 kw/hr and running 24/7 at the current rate of 18¢ per kw/hr, the annual cost would be about \$63. Add \$35 to \$60 to replace the bulb each year, and then average in another \$20 for replacing the \$100 ballast every five years, and your cost to operate is about \$120 to \$155 a year.



Yet if you don't use the UV for four months in winter, you can reduce that by 33%. Of course, higher wattage units will raise the ante.

Common brands of UV filters are the *Emperor Aquatic Smart UV-2* and *Smart HO UV*, the *Aqua UV Classic*, the *Evo 55*, and the *Zapp Pure ZP-10*. These range from about \$320 to \$1150 per unit, plus bulbs at \$34 to \$96 for 40W to 120W output. According to the manufacturers, these will handle maximum flows of 589 gph to 7260 gph for algae control, or 196 gph to 2900 gph for sterilization. So, how do you choose one?



How much UV you need will depend on eight factors:

- The size of your pond (calculate volume of water)
- The amount of direct sunlight on the pond
- Frequency and percentage of water changes
- The number and size of your koi
- How much you feed your koi
- The flow rate(s) of your pump(s)
- Whether the pond includes plants
- How often you clean your filter(s)

For maximum efficiency, the full volume of your water should pass through the UV filter within two hours. For a pond in full sun, a maximum flow rate of 1800 gph for a 40W UV light is recommended. Larger ponds should utilize a multiple light configuration as discussed above, which allows you to use only the amount needed to keep the water clear.

There are some UVs that can be added to certain skimmers, but they are not the most efficient application as they treat water at its worst. A UV is built into some pressurized filters — a fair solution for small ponds or quarantine tanks.

**~IKS Library & Video Tapes online~**

Just go to our web-site <http://www.inlandkoi.com> and check on Resources. A menu will come down with two choices; "IKS Library" is the link you want to choose. Take advantage of this useful resource for information about koi and freshwater ponds. IKS has a variety of books and videos that are available to our members, and you can reserve any book or video from the on-line Library just by contacting **Audrey Rowland at 951-233-3671 or email her at [rowlandalong@gmail.com](mailto:rowlandalong@gmail.com)** and she will bring your selection to the meeting. Members may check out one item at a time.

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Edward-Dean Museum is a wonderful place to get indoors for a good illustrated presentation, and even better for when it rains, which it didn't. Looks like we may rush to Spring with no winter at all! Certainly not the case for our Virginia members, Mike & Carolyn Frady and Chuck & Doris Poppe... haven't heard from them recently, but have checked in to see how they're doing.

Dining indoors, we again had tables and chairs like civilized folk, and power for crockpots full of curry and rice, pulled pork for mini sandwiches, a delicious squash soup, plus the salads, pizza, chicken, and numerous desserts. We do enjoy ourselves at table! And it's so much easier to chat over a table!

Welcoming all, Mac was pleased to see William and Donise Lei again, not as visitors as in November, but as badge-wearing members! They came from Lake Elsinore, have a small pond, and look forward to learning more about keeping koi. Mac also recognized all the January birthdays and led us in serenading Erika Henry, who would turn 22 on Monday; he further embarrassed her by introducing her guest, Cody, who had joined her family for the day. Also with us was Alan Pollock of La Quinta; we haven't seen him much since a wind storm devastated his yard, but this meeting was the closest we've been to him in a long time.

Announcements covered a mixed bag of club business: There are openings on the Board of Directors and Mac encouraged any member interested in getting more involved to contact him or come to one of the Board meetings to see how we work; we always hope for new ideas, new brains to pick.... Rey

Quirong has stepped down as VP for personal reasons (*perhaps to have more time for his new grandbaby?*), which adds to a list of volunteer jobs that need to be filled: Librarian, people to provide sodas for meetings (reimbursed), to store and transport EZ-ups and AV equipment, and always to offer to host a meeting. Audrey Rowland graciously offered to take over as Librarian, and we decided the AV equipment should go home with the next month's hosts, as do the signs, or if necessary, be delivered by Pete Miles when he visits to take photos. That'll work!

Rob explained that Phil & Rachel Hunter, in the process of downsizing before selling their beautiful Temecula home, had gifted the club with two pieces of koi art. The first, a *wind feather* or *feather flag* with a koi design, will be used to mark meeting sites. The second, a metal *Yamabuki Ogon* sculpture, would be auctioned off later in the day. When it was, a three-way bidding battle ensued; Randy McGarvey finally prevailed and took it home.

During the meeting, many of us took time to wander out to the museum's koi pond and found it sparkling clean, thanks to the tireless efforts of Steve and Laura Nyirady, who live

just up the hill. They cleaned it last spring, removing all the fish to a QT-tank at their home and then scouring the cement pond and refilling it. They have trained the staff to net the leaves from overhanging trees on a regular basis, but with the fish in hibernation and not being fed, they are a bit lax at it. There are two problems evident in the pond: the lack of any filtration (it is a flow-through system only, without even a skimmer) and the lack of consistent maintenance. IKS has partnered with the museum for years to help maintain their pond, and Steve and Laura have adopted the pond for us, checking it regularly, keeping it clean and healthy, and introducing rescued koi at times.

Don't even think I'm going to try to summarize Orville Hanson's wonderful presentation on this page! Being indoors, he was free to do a PowerPoint slide show, discussing and illustrating the benefits of utilizing a UV light and comparing and contrasting some of the brands commonly used. As is Orville's wont, he examined the issues in detail and with critical judgment, giving pros and cons of the various types. He also addressed the factors that affect how much UV is needed for maximum efficiency. [*Find an article on page 4 for more info.*]

Educating our club members on the care and maintenance of koi is only half the equation for speakers. Orville has, on several occasions, added to our understanding of the finer points of the filtration process, all vital to the successful koi pond. Mac announced that next month we will explore the first step — the actual building of a pond — as we join the San Diego club in Oceanside.

As 'raffles' aren't allowed at the museum, we finished with a simple drawing for prizes. Chrissie Nobles won the first draw for wearing her nametag, and then another dozen gifts were given away. Rob Fales has fun finding gifts and koi-related items for these drawing, but anyone can bring something to put on the table; if you do, you will be given an extra ticket for the drawings. [*I'm guessing a box of homemade cookies would look nice up there; you think?*]

No one cleans up better after events than the IKS, and a photo-op that was missed this month was Mac, our Prez, all dressed up and pushing the vacuum cleaner around the hall to get every last crumb of dropped cookies and chips off the carpet before turning out the lights. What a man! I hear he does that at home, too.

**A Friendly Reminder:**

Never let a member be the very last to leave without knowing his or her car is running. Thank goodness the Marrins and Zoetemelks were still there Sunday when my car refused to start. *Thank you, Theo, for the jump!* [I keep an emergency road kit, including cables, in my trunk; do you?]

Not that that was the end of my problems! Seems the alternator quit, but my two favorite mechanics—Nick and Larry—were in the front seats, and they pretty much coasted down the hill and then nursed it out of the boon-docks and back to town (Moreno Valley) on fading battery power alone.

AAA is such a blessing, isn't it! One truck towed us from an off ramp to a gas station, with the three of us crunched together in the passenger seat. A second truck (with a king cab) carried us and the car back to the house. With an overnight charge, I made it safely to Larry's shop for a new alternator on Monday. Yep! At least make sure everybody gets on the road safely. Next time, we'll see you on the bus! Peggy Milfeld-Secretary.





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Most of us are familiar with the most common way the term DOCs is used to define Dissolved Organic Compounds, but there is another way to use those letters to describe something essential to a healthy koi pond environment.

**Dissolved Oxygen Concentration (DOC)** is the term also given to describe the amount of oxygen that is dissolved in pond water. It is measured in terms of how much oxygen (by weight in mg) is dissolved in every litre of water. There are many factors that will affect DOC in a koi pond, some of which we can control; others we cannot, but we can respond in a number of ways to guard against problems.

Of course, dissolved oxygen is important to all life in a koi pond, not simply the fish, and they all have a demand on the finite supply of oxygen dissolved in the pond water. The number of oxygen consumers in a pond will determine whether the dissolved oxygen concentrations in the pond are likely to be a problem or not, with a larger density putting a greater strain on the resource.

### The Four Oxygen Consumers in a Koi Pond

**1) Koi.** In relation to the activities of bacteria and other microscopic pond organisms, the oxygen demand by koi is not the greatest (but this will vary with stocking density). Compared to many other fish species, koi are relatively tolerant of low dissolved oxygen concentrations, which is understandable, being a fish from slower moving warm waters. The range of DOC in a pond will run from a minimum (0mg/l) to a maximum (about 15mg/l), where even the supply of additional aeration would not change the DOC. Even so, below this and for short periods of time, they can gasp at the surface to gain their required oxygen.

Koi are equipped with gills, which have a very fine and delicate structure. Gills are used to absorb the oxygen that passes through them with some oxygen being dissolved in the water. They are very efficient at removing oxygen, absorbing 80% of the oxygen that speeds by their gills in the water (compare that to about 20% efficiency of our lungs). Furthermore, koi are able to pack the oxygen from 100 ml of water into 4 ml of blood. Quite a feat of bioengineering!

**2) Bacteria/Fungi.** The majority of bacteria in a pond are aerobic (requiring oxygen) mostly found in abundance in the filter. The activity (and oxygen demand) of a bacterial population will vary, depending on the water temperature and the amount of food that is present for them to break down in the water. The bacteria involved in breaking down ammonia into nitrites and then nitrates require oxygen. The greater the supply of ammonia, and therefore nitrites, that exists, the greater the bacterial activity and oxygen demand. A further group of bacteria, known as *heterotrophic bacteria*, feed on organic matter (both soluble and solid) that is present in the pond. As solids gather in a settlement chamber, or as excess food is allowed to float uneaten, the oxygen demand of these heterotrophic bacteria will rise as they gorge themselves on a banquet of food and fish waste.

**3) Invertebrates.** The more mature a filter becomes, the greater the diversity of the invertebrate life that will colonize. A range of hungry critters from the virtually microscopic to the easily visible will all demand oxygen as they break down

organic matter. Again, the more food there is to break down, the greater the demand on the pond's oxygen reserves.

**4) Plants.** Plants, both microscopic algae and larger plants, are oxygen consumers, day and night. Plants, like fish and all the other pond life, respire 24 hours a day, using up oxygen. Fortunately, the plants also add oxygen to the pond's oxygen budget in excess of what they require in the day.

### Oxygen Budget

However, as most koi ponds are sparsely planted, particularly with oxygenating plants, there is likely to be little oxygen added courtesy of the plant life. Furthermore, as fish stocking and feeding rates exceed what Mother Nature would decree, there is likely to be insufficient oxygen entering the pond passively by diffusion from the atmosphere. This can soon lead to an oxygen debt, where the demand and consumption of oxygen is in excess of the rate at which it is being added.

### Effects of low DOC on fish

Low DOC has very obvious effects on koi. If there is insufficient oxygen dissolved in the pond water, koi will respond in the short term, by becoming lethargic, swimming slower than normal, and perhaps hanging towards the surface.

If the condition persists or even deteriorates, koi will gather at water inlets or below a waterfall and even start gasping air from the surface. By this stage they will already have become stressed, making them very susceptible to disease. Whenever I have taken a mucus scrape from a gasping fish, I have found an abnormally high density of protozoan parasites, busily capitalizing on the koi's momentary lapse of defense.

A low DOC is also likely to affect koi health indirectly, by adversely affecting the biological filter. The functioning of bacteria that are responsible for the breakdown of toxic waste is directly proportional to the dissolved oxygen concentration. Low DOC will lead to poor filter performance and a peak in ammonia/nitrite may well lag behind such an incident.

## Dos and Don'ts to Avoid a Low DOC

### Do:

- 1) Try to aerate a pond as a matter of course, endeavoring to aerate down to the pond bottom.
- 2) Add additional aeration to the biofilter chambers: it will enhance bacterial colonization.
- 3) Clean out settlement chambers regularly. Even when organic matter is removed from the pond, it still attracts oxygen-demanding bacteria in the filter.
- 4) Add additional aeration during any pond treatment or medication.

### Don't:

- 1) Assume, if your fish have survived the hot day without additional aeration, that they will survive the night. Night time is when DOC can really begin to drop, so continue to aerate.
- 2) Continue to aerate below 12°C (~54°F). Allow fish to settle in warmer deeper water. Aerating will simply mix up all layers of the water, losing the benefit of having such a deep pond.
- 3) Overstock; this will lead to a doubling of demand for oxygen from the koi and the bacteria breaking down their waste.



For taking on extra duties

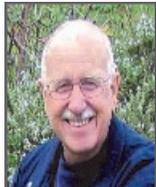
Our Koi Club couldn't exist without it's members nor conduct meetings, pond tours, koi rescues and auctions without volunteers and board members who step up and commit their time and energy to make these events a success!



Rob Fales  
Vice President



Audrey Rowland  
Librarian



Larry Leverett  
Pond Tour Chair.



Jill McClain  
Sound Sys. Co-ord.

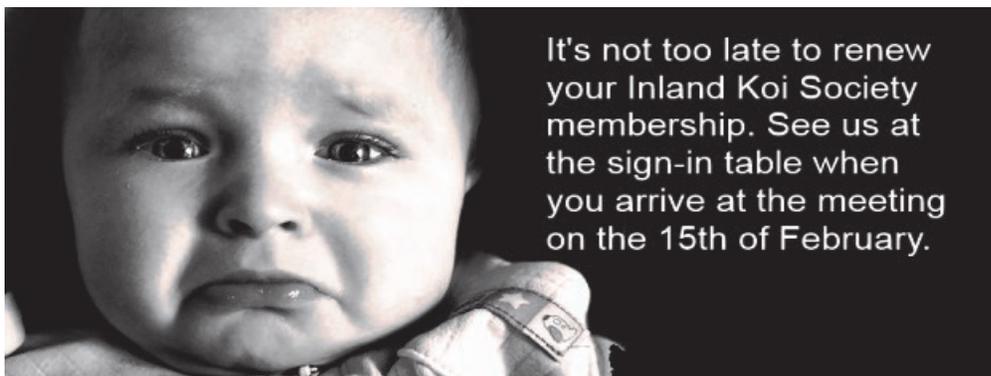


Pete Miles  
Mtgs. & Guest Spkrs.

Who will be our 2014 Koi Person of the Year?

Koi Person of the Year is an honor given in recognition of someone who has made a significant contribution to koi keeping or to their club during the past year. Each year, IKS members vote to recognize a fellow member who has "gone the extra mile" towards the success and vitality of the Inland Koi Society. The elected member will receive a personalized plaque commemorating the honor and, if they will attend the AKCA seminar that year, \$250 to be used towards it. In addition, their picture is featured in Koi USA Magazine. The Person of the Year Award is a Thank You from the Inland Koi Society members.

Look for more details and information on Koi of the Year in our March newsletter.



It's not too late to renew your Inland Koi Society membership. See us at the sign-in table when you arrive at the meeting on the 15th of February.

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THE BEST QUALITY Japanese Koi AT A REASONABLE PRICE!

It may not be everybody's dream single most important event in

At a show, we all see the best of brought these specimens for in the magazines. Their phy will be put on the that won the grand We've shopped and purchased a future win-trophy. Yes, we are Catching the fish confining koi



to enter their pet koi in a show, but it is one of the hobby's finer moments and the improving the quality of the fish. the best, the fish that dreams are made of, and get to meet the men and women who all to see. They are competing for trophies and ribbons. Their koi's pictures will be koi will be famous! There will be pats on the back and pictures taken. The tromantel. And afterward, friends will come to their pond and ask to see the fish champion prize.... Yes, it is a wonderful feeling. taken the expert advice from our more experienced club members, then we ner or two. Now it's time to show those fish and take a ready to make our debut at a koi show.

about a week before the show, withholding food until after the show, and that are going to be shown are the more important elements of showing koi.



In order for koi to look their best at the show, the water must be very clean in the show tank. This is why we don't feed for 4-7 days before the show. It will also safeguard the fish during the show. There will be less chance of ammonia toxicity and the water will not cloud from fish urination. Less stress means better looking fish.

Once you get your koi to the show site, they will be measured and photographed before being released into a tank. They will be assigned a number by the benching assistant. The following day, each fish will be judged against any other entrants in its size (i.e. 9-12", 13-16", etc.) and class (i.e. Showa, Kohaku, Sanke, etc.). The winners are generally announced at the banquet and the awards are given out. It is a very big affair. *Thanks to Carol Weise from MacArthur Ponds for this helpful article.*

# Koi Club of San Diego

## 27th Annual Koi Show

**March 1st and 2nd 2014**

Activity Center Del Mar Fairgrounds



**Fish Check-in**

**Friday 3pm-8pm**

**Saturday 8am-9am**



**Exhibit Hours**

**Saturday 9am-4pm**

**Sunday 9am-3pm**

**Judging starts Saturday @ 10am**  
**Awards Banquet Saturday @ 6pm**  
 (Banquet to be held @ Tony's Jacal in Solana Beach)

**Show Chairman: Matt Rhoades - [show@koicsd.org](mailto:show@koicsd.org)**

**[www.koiclubofsandiego.org](http://www.koiclubofsandiego.org)**



Putting together a successful Pond Tour requires months of planning and coordination by the committee, led this year by Larry Leverett. The date and locale are tentatively set for Sunday, June 1, preferably in the greater Riverside area, but little more can happen until we know that 7 or 8 members are willing to share their ponds with the public.

Our preference would be ponds that have not shown before, or at least not in 2012.... Ponds from early tours would be good so we could see how they have matured. And in this case, size does NOT matter! We would like to showcase modest ponds as well as bigger, so people can see how a pond might fit in a large or small yard.

New T-shirts are being designed by Sandy Hanson, and everyone who volunteers to work the tour will get one free. Volunteer sign-ups will probably begin in March, but even that is dependent on having the ponds lined up. Sign-up includes collecting shirt sizes and special orders for Polo shirts and usually sweatshirts, too.

Don't be scared at the prospect of having folks wander through; they DON'T go in the house! Tour is a chance to spruce up the yard, if necessary, and show off your take on this koi-keeping hobby. You don't need prize fish, a huge waterfall, or a grand landscape — just a clean, neat yard with an accessible pond. And a smile!

So much depends on having the ponds! After that, it's just a lot of work for the committee and then a fun day for all the volunteers, with the banquet to close the day. So, if you live in the "greater Riverside" area, please give serious consideration to being a tour host. Call Larry at (951) 781-3887 and let him take a look; he'll be thrilled to hear from you.

**WHY NOT YOUR RIVERSIDE KOI POND AND YARD THIS YEAR?**

**PLEASE CONTACT LARRY LEVERETT FOR INFO**

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**ZNA SoCal Chapter**

**40th ANNUAL OPEN KOI SHOW**

**Gardena Civic Center**

**March 15 -16, 2014**

**Open To The Public**

**No Admission Fee**

**Beautiful Fish • Entertainment  
Koi & Pond Products • Auction**

Friday 2pm-5pm  
Koi Judging Seminar (\$40)

Saturday 9am-5pm  
Taiko drummers in the morning  
Koi lecture in the afternoon

Sunday 9am-3pm  
Judges Commentaries 9am -11am  
Koi auction starts 11am  
Show Closed 3pm

For more information

|  |  |
|--|--|
| <p><b>Don Kobashigawa</b><br/>Show Chairman<br/>donkobash@aol.com<br/>818-207-3238</p>       | <p><b>Louie Hernandez</b><br/>Judging Seminar<br/>loujin@flash.net<br/>714-345-1533</p>    |
| <p><b>Chai Taevanitcharoen</b><br/>Show Coordinator<br/>tatekoi@aol.com<br/>818-383-7092</p> | <p><b>Jane Morrison</b><br/>Vendor Coordinator<br/>janemm27@gmail.com<br/>949-903-1856</p> |

**Or go to [znasocal.org](http://znasocal.org)**

Co-sponsored by  
The City of Gardena

**Gardena Civic Center • 1700 West 162nd Street • Gardena, CA 90247**




| MONTHLY PLANNING CALENDAR 2014 |                                  |  |                 |
|--------------------------------|----------------------------------|--|-----------------|
| REGULAR MTG                    | HOSTS & City                     | PROPOSED PROGRAM                                       | BOARD           |
| 4th Sunday                     |                                  |  | Wed. after Mtg. |
| February 15<br>(3rd Saturday)  | Mission San Luis Rey - Oceanside | The 4 to 1 Ratio in Koi Pond Planning and Construction | February 19     |
| March 23                       | Mac and Jill McClain - Riverside | Spring Koi Pond Readiness                              | March 26        |
| April 27                       | Francine Hoffman - Riverside     | Preparing for Koi Emergencies                          | April 30        |



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**Coming Events**

2014

|          |     |   |
|----------|-----|---|
| <b>F</b> | 02  | <b>GROUND HOG DAY</b> — is when the Ground Hog predicts how much longer winter will last.   |
| <b>E</b> | 7-9 | <b>NEWPORT HARBOR ORCHID SOCIETY SHOW</b> ~ Hundreds of orchids on display, repotting classes, vendor sales./ 1025 Westminster Mall, Westminster, Orange County / free admission & parking / <a href="http://www.Nhosinfo.org">www.Nhosinfo.org</a> or <a href="mailto:ndbenay@gmail.com">ndbenay@gmail.com</a> |
| <b>B</b> | 14  | <b>VALENTINE'S DAY</b> ~ Make their day extra special!   |
| <b>R</b> | 15  | <b>IKS MEETING ~ JOINT POTLUCK WITH KCSD</b> Saturday, 2-5pm at Mission San Luis Rey, Oceanside. Ride the club bus from Jack Marrin's place.  |
| <b>U</b> | 17  | <b>PRESIDENTS' DAY</b> ~A combined celebration. The 12th is Lincoln's Birthday. Washington's is the 22nd.    |
| <b>A</b> | 19  | <b>IKS BUSINESS MEETING</b> ~ 7 pm / <i>All members of IKS welcome!</i> — 6531 Box Springs Blvd, Riverside / Mac McClain (909) 225-2346   |

|          |       |  |
|----------|-------|--|
| <b>M</b> | 06-08 | <b>QUILT, CRAFT &amp; SEWING FESTIVAL</b> ~10am-5pm / 1101 W McKinley Ave., Pomona 91768 / Expo Hall 6 ~ <a href="http://www.fairplex.com">www.fairplex.com</a> / (909) 865-4310                                     |
| <b>A</b> | 09    | <b>DAYLIGHT SAVINGS TIME BEGINS</b> ~ <i>Spring forward!</i>    |
| <b>R</b> | 15-16 | <b>ZNA SO CAL KOI SHOW</b> ~ Gardena Civic Center Complex / 1700 West 162nd St., Gardena 90247 / 9am-5pm, Sat. / 9am-3pm, Sun. / No charge / <a href="http://znasocal.org">http://znasocal.org</a> / (818) 207-3238  |
| <b>C</b> | 17    | <b>Happy St. Patrick's Day</b>    |
| <b>H</b> | 23    | <b>INLAND KOI SOCIETY POTLUCK MEETING</b> ~ 2:00 -5:00pm at <b>Mac and Jill McClain's home</b> in Riverside / For more information (951) 398-7048.   |
| <b>E</b> | 26    | <b>IKS BUSINESS MEETING</b> ~ 7 pm / <i>All members of IKS welcome!</i> — 6531 Box Springs Blvd, Riverside / Mac McClain (909) 225-2346  |
| <b>M</b> | 21-30 | Inland Empire Restaurant Week, a 10-day dining event that showcases a variety of eateries throughout the Inland Empire. <a href="http://www.inlandempirerestaurantweek.com">www.inlandempirerestaurantweek.com</a> . |

VISIT OUR WEBSITE FOR PAST NEWSLETTERS AND OTHER RESOURCES [www.inlandkoiociety.org](http://www.inlandkoiociety.org)

**2 Koi Guys**

**Scott Zehm**

**Robert Walters**

**951 237-2508**

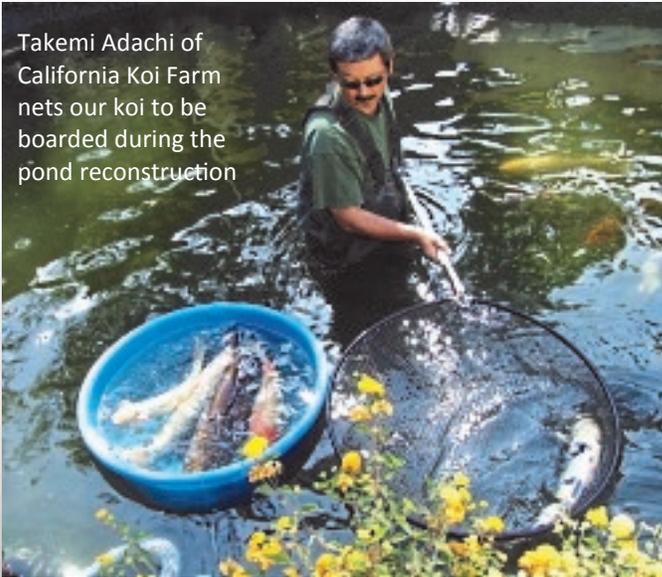
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**INLAND KOI SOCIETY**  
**5198 ARLINGTON AVE., #146**  
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Takemi Adachi of California Koi Farm nets our koi to be boarded during the pond reconstruction



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**Come see this almost 60 year old koi pond**

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