

# *The Inland Koi Connection*



THE OFFICIAL  
NEWSLETTER  
OF IKS  
ISSUE 261  
FEBRUARY  
2019



16130 Red Pony Lane  
Riverside 92504  
909.225.2346

IKS General Meeting - 2-5pm  
Sunday, February 24  
Hosts: Mac & Jill McClain

*The IKS Board generally meets on the second Sunday evening at 5:00 or 6:00 pm; they share hosting the meetings and providing simple refreshments. Members are welcome to attend, but should let the hosts know their intention to do so.*

The **February 10** Board meeting included the first Auction Planning Meeting. It was hosted by the Broomfields at 6PM, with dinner served at 5PM; 10 attended. Absent: Monica, Theo

- **January 27 at the Leverets' in Riverside:** Only 48 came out this month, including a visitor from Michigan. Water quality was 'embarrassing' — *if you compared your own to the clarity of Larry's!* **Orville Hanson's** talk on removing dissolved organic compounds and foam fractionators was very good: he watched the clock and only had a few of us confused; Q&A followed. He had thoughtful ideas for adding a Japanese touch to the landscape. Ample food and a clear day with no rain!
- **Membership** is up to 99, with 47 renewals and one new member so far.
- **Meeting Dates:** Ed has these dates, hosts and speakers confirmed:
  - 24 February ~ **Mac McClain**, Riverside ~ **Ed Broomfield**, speaking on "Getting Ready for Spring"
  - 24 March ~ **Vicki Grunewald**, Beaumont ~ **Ed Brown**, speaking about installing auto-fill and overflow devices, and "The Importance of Redundancy"
  - 28 April ~ **Ed Kushner**, Corona ~ **Nick Milfeld & Larry Leverett**, Auction co-Chairs, training for the auction event
  - 26 May ~ **NO Meeting:** Koi Auction the next Saturday, June 1
  - 01 June ~ **Koi Auction & Used Equipment Sale** ~ at Milfeld's Nursery, Riverside ~ Volunteers needed!
  - 23 June ~ **Aiko Howo**, Redlands ~ Speaker TBA
  - *Hosts are needed for July forward.; call Ed Kushner to volunteer.*
- **Koi Rescue:** •Ed has only about ten koi left in QT. •Ed wants to set up QT pool for Auction quarantine on Saturday, February 23. •Hoping for more rescues before the Auction.
- **Koi Auction:** Scheduled for Saturday, June 1, evidently no other koi dates conflict. Larry Leverett will address the club at February meeting, begin volunteer sign-ups. •Besides rescued koi, members may also bring fish to sell, with a limit of five per member.
- **Norco HS Pond Project:** Students are still enthusiastic about project.
- **New Business: Next Board meeting: Sunday, March 10, at 5pm**, at the Leveretts in Riverside. Future Board dates are:
  - April 14 Board at Milfelds; May 26 at Zoetemelks
- The Board was adjourned at 7:45pm.



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- 
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 c 909.519.7026 ~ EdBroomfield@inlandkoiociety.org
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 951.735.9896 ~ theozoetemelk@inlandkoiociety.org
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- Koi Health ~ K.O.I. Rep.:** **Spike Cover** ~ 949.855.2371
- AKCA Representative ~ Mac McClain** 951.398.7048  
 macmcclain@inlandkoiociety.org
- Librarians:** Books & Videos listed on IKS website  
**Jim & Tess Poyle** ~ 951.797.3007
- Database:** **Orville Hanson** ~ 951.682.3107
- Web Master:** **Alecia Everett** ~ ikswebmaster@yahoo.com
- Badges:** **Jack Marrin** ~ 909.792.3603 ~  
 jackmarrin@inlandkoiociety.org
- Sunshine:** **Francine Hoffman** ~ 951.781.8209
- *When calling our volunteers, you might get a recorded message. Please suggest a time when you're home to receive a return call, or when you would like to call back.*
  - *Remember that phone advice is given based on your input; the ultimate responsibility for treatment remains with you.*
  - *You can call our Librarians to request information on a particular topic and they will bring it for you to the next meeting, or make other arrangements to get it.*

Our hosts this month are **“Mac” & Jill McClain**. Mac served as IKS president in 2013-14 and continues as our AKCA Representative. Their beautiful home is located on a secluded three-acre ranch off Mockingbird Canyon Road in the southwest hills of Riverside. The property is named *3 Angels Ranch*; the idea came from the original *Charlie’s Angels* TV show. That makes Jill and his daughters, Kelly and Sabrina, Mac’s angels.

The ranch is cross-fenced for horses and they have four. The previous owner of the house had 10 to 12 race horses, so most of the fencing and stalls were already built. Beyond the pastures there are some outbuildings the McClains call their town, with each building having a name like the *Saloon*, *Post Office* and *General Store*; Sabrina created all the signs. Most of these buildings serve as storage for saddles, hay and feed for the animals, but some of them house chickens, roosters, ducks, white pigeons and a very colorful peacock. Mac has one building that serves as his *Man Cave*, but it is actually a very nice office with a sign out front that reads *Semper Fi HQ!*



Mac and Jill will celebrate 25 years of marriage this year; we watched their daughters grow up. Kelly (22) attended Santa Maria College for a year and a half, and is now pursuing a career as a fire fighter. Sabrina (18) is a freshman at Sacramento State.

Mac is retired from law enforcement and is currently President of the Marine Honor Guard at the Riverside National Cemetery. The Honor Guards provide dignified displays of military honors during graveside services for veterans. He is also quite a reader and collector of books, as you will be able to see in their library: books and lots of photos are on the walls. Jill works for the federal courts, traveling three days a week to Los Angeles and twice a week staying closer to home. After 27 years, she is

retiring from U. S. Probation/Pretrial, as an assistant chief. They both have an appreciation for good food and fine wine; they have made and bottled their own, from crushing grapes to bottling and putting on their personal name labels. When last we visited, in March 2014, they had planted their own vineyard, featuring both red and white wine grapes; today the vines are thriving.

The McClain pond is about four feet deep, holds 4,000 gallons, and was built by Jim Thompson of Waterscape Designs. It has two bottom drains and a skimmer; a ½ hp Wave II pump feeds pond water to a prefilter. From there, water goes into a bubble bead filter, then through four 40-watt UV sterilizers (a total of 160 watts), and finally to a waterfall set into a six-foot-high bank. All the pumps and filters are from Wm Lim, and the liner is EDPM rubber. They added the pond, building it off their dining area so they could see the koi while eating. Nine of their about 30 koi came from their previous home in Moreno Valley, and with them came a stubborn turtle that won’t live in its designated area of the yard, but prefers to live with the koi in their pond.

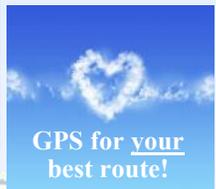
Also in 2014, Mac and Jill had just installed a solar system. It was designed to run the home and the pond, but it also serves as a shelter for two horses that like to walk under it and stay out of the sun on hot days.

The McClains have always been warmly welcoming. Come meet them, bring your chairs and a dish to share in the usual potluck, and reserve some time to explore the property. Then look for someone you don’t know yet and get acquainted. The more often you come, the more familiar faces you’ll find. If you do not have a name tag yet, check at the registration table.

Our speaker this month will be Ed Brown who will focus on getting the pond ready for Spring — which should be lurking behind the next grey cloud. Bring questions relative to your pond, and submit them on forms you’ll find at check-in.



*See you there!*



**Directions to 16130 Red Pony Lane, Riverside 92504**

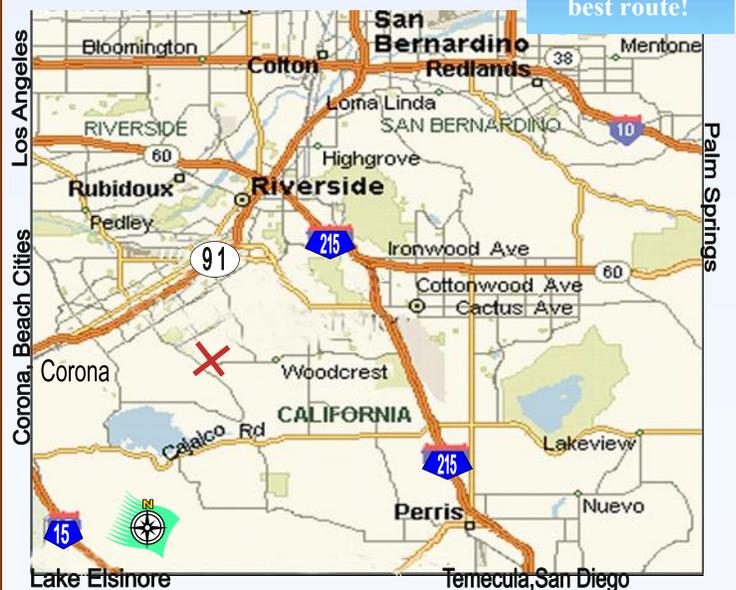
- ◆ **FROM THE WEST**, exit **91 Fwy** on **VAN BUREN BLVD** heading **south**.
  - ◆ Turn **right** at signal onto **Mockingbird Canyon Rd**
  - ◆ After you pass **two** stop signs, turn **right** onto **Red Pony Lane**. There should be ample parking!
- 
- ◆ **FROM NORTHERN** end of **215 Fwy**, exit on **VAN BUREN BLVD**, head **west**.
  - ◆ Turn **left** at **Washington St** and head **south**.
  - ◆ Turn **right** on **Harley John Rd**, then **left** on **Mockingbird Canyon Rd**.
  - ◆ Make **first right** onto **Red Pony Lane**; McClains are at the end on the **right**.

**FROM THE SOUTH** end of the **215 Fwy**. via **CAJALCO RD**—a 'scenic route':

- ◆ West on **Cajalco Rd** to **Harley John Rd**, turn right (north).
- ◆ Turn left at a 'T' to continue on **Harley John**; going straight the road becomes **Washington St**.
- ◆ Turn **left** on **Mockingbird Canyon Rd**. and make the **first right** onto **Red Pony Lane**.

**FROM THE SOUTH** end of the **15 Fwy** via **CAJALCO RD**—also a 'scenic route':

- ◆ East on **Cajalco Rd** to **El Sobrante Rd**. Stay **right** at the 'Y' onto **Mockingbird Canyon Rd**. (north).
- ◆ The **second left** is **Red Pony Lane**.



## Inland Koi Society Club Membership Renewal Time

Membership Renewal Forms, sent with the November newsletters, should be returned now...or be brought to the February meeting. If you've lost yours, you may request a blank copy from the Treasurer or get one at the meeting.

Listed are the 48 RENEWALS received to date, as well as new members. I would really like to publish the 2019 Directory before the March meeting, and those whose dues have not been received would be deleted. Please don't let that be you! **Thank you!**

Aker, Brenda  
Alexander, Gavin & Stephanie  
Atkiss, Paul & Cheryl  
Broomfield, Ed & Louise  
Brown, Ed & Trina

Chandler, Don & Brenda  
Coby, Tony  
Cover, Spike & Ginger  
Dirac, Monica  
Fales, Rob & Deanna

Fowler, Cynthia  
Frady, Mike & Carolyn  
Grunewald, Vicki  
Halterman, Perry & Janice  
Hamilton, Carole

Hanson, Orville  
Henry, Bob & Bonnie  
Hoffman, Francine  
Howo, Aiko  
Hunter, Phil & Rachel

Hurley, Steve & Patricia  
Kushner, Ed & Linda  
Leever, Carl & Mary  
Lei, William & Donise  
Leverett, Larry & Debby

Liette, Mary Ann  
MacLaren, Ed & Lynn  
Mall, Jerry & Pat  
Milfeld, Nick & Peggy  
Mouw, John & Cricket

Murakami, Ken & Donna  
Nyirady, Steve & Laura  
Parks, Gary & Janet  
Pollock, Alan  
Poyle, Jim & Tess

Rein, Lloyd & Joy  
Rhodes, Steve & Lily  
Richardson, Wayne  
Ross, Tom & Zuma  
Rowland, Audrey

Simmons, Bob & Vickie  
Thompson, Denny & Carole  
Walters, Bob & Martha  
Watson, Alvin & Darlene  
Wolf, Larry & Dorothy

Wright, Tom & Tee  
Yelenich, Ron & Jessica  
Zehm, Scott & Phyllis  
Zoetemelk, Theo & Jeanne

### NEW MEMBERS:

Stevens, Wally (10/28/18)  
Austin, Janice (11/18/18)  
Trubs, Mike (11/18/18)  
Israel, Ben & Reiko (1/17/19)

### HONORARY MEMBERS:

Houston, Kelly  
Pierce, Al & Tamsie  
Svelan, John



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The Inland Koi Connection is distributed eleven times yearly to all IKS members as well as to other koi keepers and koi clubs across the country. For more information, contact Nick Milfeld, IKS Treasurer, (951) 780-7395

### WELCOME TO OUR NEWEST MEMBERS!

Write these folks into your Directory, seek them out at meetings, and make them welcome! More than fellow members, make them friends!

**10/9/2018 ~ Margaret (Peggy) Carlson** ~ Referred by Ed Brown  
23648 Hillview Road ~ San Bernardino CA 92404  
909.804.8362 ~ carlsoncasinoparties@gmail.com

**10/15/2018 ~ Karim Toursarkissian** ~ Referred by Ed Brown  
40601 Normandy Road ~ Beaumont CA 92223  
909.363.5828 ~ DRT0125@me.com

**10/28/2018 ~ Wally Stevens** ~ Referred by KCSD  
2323 Maxon Street ~ Oceanside CA 92054  
760.521.7238 ~ no email

**11/18/2018 ~ Janice Austin** ~ Referred by Ed Brown  
11831 Peach Tree Circle ~ Yucaipa CA 92399  
909.855.2646 (H) ~ JCA.YUC@gmail.com

**11/18/2018 ~ Mike Trubs** ~ Referred by Ed Brown  
527 Tivoli Court ~ Hemet CA 92543  
714.363.2563 (H) ~ Trubs13mdo@gmail.com

**1/17/2019 ~ Ben & Reiko Israel** ~  
Riverside CA 92503 ~ ben@benisrael.com

**2/13/2019 ~ Pamela Delgado** ~ Referred by Ed Brown  
3395 Lynwood Drive ~ Highland CA 92346  
909.203.2891 (C) ~

**2/13/2019 ~ Floyd Diaz** ~ Referred by Ed Brown  
41224 Sea Island Court ~ Temecula CA 92591  
951.821.0705 (C) ~ floyd740@gmail.com

**New Members:** Our Member Directory includes photos of members. If you won't be able to attend meetings for a while, please send me a selfie so you can at least be included in the 2019 update, and we'll be able to recognize you when we do meet!

Email photos to Peggy at [peggymilfeld@inlandkoi.org](mailto:peggymilfeld@inlandkoi.org)



### LATEST BADGE ORDERS RECEIVED

...and of course they arrived the day AFTER the January meeting! We have a collection of badges that were never picked up, as well as those just received. Ask for yours at the sign-in table.

Campbell, Bill  
Carlson, Peggy  
Castro, Jowar & Veronica  
Kohlmeier, Pat  
Luebs, Al

McHan, Steve  
Miskell, Chuck  
Murakami, Ken & Donna  
Pandes, Ruben  
Parks, Gary & Janet

Parraga, Jim & Estella  
Reinhardt, Janos & Ildiko  
Simas, Dan & Nancy  
Strangel, Debbie  
Toursarkissian, Karim

Triplett, Eric  
Watson, Alvinisha  
Winsser, Ron  
Yelenich, Jessica  
Zoetemelk, Braelynn

We met at **Larry & Debby Leverett's** home in Riverside so we could gather in their garage out of the rain, but it remained clear all day. **Linda Kushner** opened the meeting at 3:20pm, after a delicious potluck luncheon and time for everyone to explore the pond, the orchid house and gardens. She acknowledged the January birthdays — it was Jim Poyle's birthday today and he chose to celebrate with all of us! —and anniversaries, as well as our new members, and then announced the next Board Meeting on February 10<sup>th</sup> at the Broomfields' home. Then Linda introduced our speaker, **Orville Hanson**, who is also the database manager for IKS.



*Jim Poyle*

Orville's talk was in two parts, with slide presentations for both. The first was "**How to Remove Foam from your Pond.**"

Foam is caused by a decrease in the surface tension of the water and is usually seen at the base of waterfalls where plenty of air gets mixed into the water. A number of factors can cause the foam such as fish waste, uneaten fish food, decaying plant material, algae blooms, spawning fish, or even excess organic matter from the runoff from surrounding soil. It is not generally harmful to fish, but it can be unsightly and a sign of poor water quality. Skimmers can help by removing floating organic matter, such as leaves and twigs, and they also provide biological filtration. Frequent water changes also help. For more serious problems, foam fractionators (also known as protein skimmers) or ozone generators can be used to remove foam.

Foam fractionators remove the foam by using an air pump to produce the bubbles and then separating them from the water. The white foam, when dry, ends up as black as charcoal, a proof that it's made up of carbon. There are several different manufacturers of fractionators, but they all cost around \$1,000. It is possible to make your own using PVC pipe and bio balls; this is not hard to do and will only cost you around \$200. Orville showed us a diagram of a DIY foam fractionator.

Ozone generators can also remove foam by oxidizing the dissolved organic carbons, but they **MUST** be kept away from the fish or the ozone will kill them. These generators cost around \$900, are made in Norway, and are not readily available here.

Orville's second talk was "**How to Add a Japanese Theme to your Koi Pond.**" Orville showed photos of structures such as bridges and benches, made using Japanese tiles, which can be placed around your pond. The tiles may be purchased in Corona. Bamboo fencing gives an oriental look and can be used to hide equipment. Japanese style lighting (be sure to buy good quality so it will last), or Japanese style stone lanterns, also add an eastern touch. Orville showed photos of a Japanese style water feature he had made and explained its construction. He also showed photos of an *Azumaya*-style gazebo he is building and of the different roof styles available, curved, straight or draped. *Azumayas* can be purchased on-line as kits or ready-made.

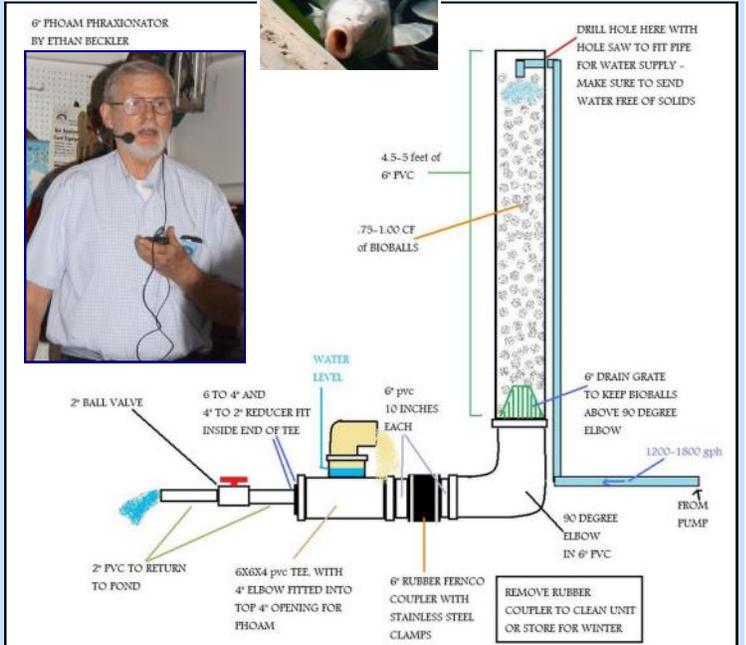
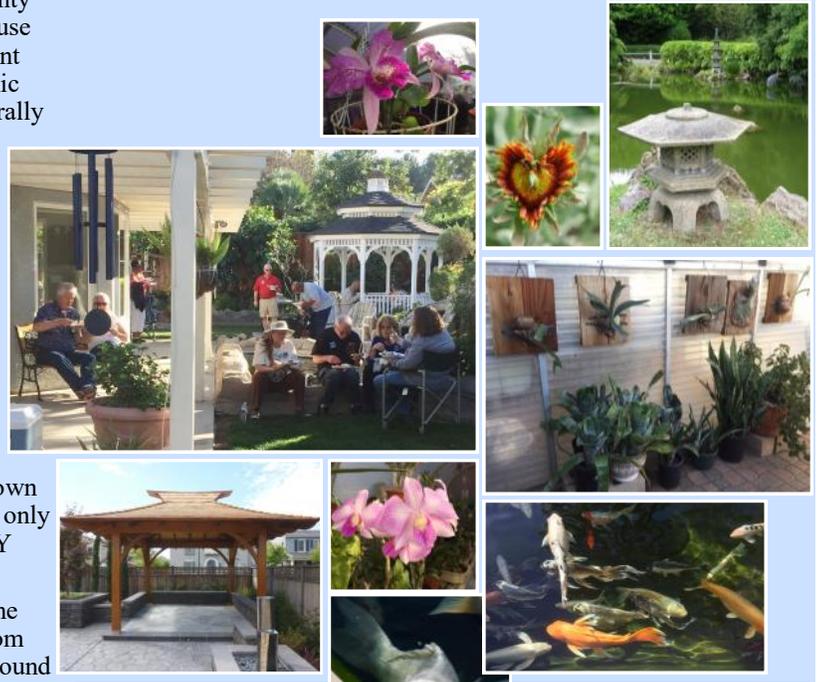


Linda thanked Orville for his talk and then introduced a couple of our young members, **Courtney & Lauren Alexander**, who were selling Girl Scout Cookies. **Laura Nyirady** showed us some flagstone rocks decorated with koi that her guest from Michigan, **Kelley Piekarek**, had painted. Beautifully done with all but the bottoms painted, they would look good in the garden or around a pond, and Laura is willing to take orders for them.

The major club fundraiser is coming up, our Koi Auction that takes place every odd-numbered year. The Auction will be on Saturday, 1<sup>st</sup> June. Nick Milfeld explained that members may sell up to five fish, more if there is a shortage of fish, and they will receive 50% of the sale price up to \$300, and all over \$300. (For example, if you sell a fish for \$200, you will receive \$100; but sell for \$400, you will get half the first \$300 plus the \$100 over \$300, a total of \$250.) Members may also donate as many fish as they wish to the auction, with the full price donated to the club. Any kind of used pond equipment may also be sold with a 75/25% split (the club takes the 25%). Proceeds from the Auction fund the club for the next couple of years. We will begin volunteer sign-ups at the meeting in February.

The Fales had a great selection of gifts on the table, and so we enjoyed our usual raffle and then adjourned early at 4.30pm.

~M.F.D.





**KHA PROGRAM FROM AKCA**

Are you ready to get really serious about your koi knowledge and education? AKCA, the umbrella organization under which IKS operates, provides a training program that anyone can take. Our newest KHA is **Ed Broomfield**, who recently received his certification. He will share his experience with anyone who asks.

Here is the basic information you need to know.

*KHA ~ 2018*

**Koi Health Adviser Program**

**DATES:** You may start the course at any time, and you may take up to two years to finish it.

**COST:** \$100, plus the cost of books and a *KoiUSA* subscription.

**REQUIREMENTS:** You must belong to an AKCA affiliated club, or have an individual membership in AKCA. There are no age requirements. A subscription to *KoiUSA* is strongly suggested.

**METHOD:** There are eight units to be completed on-line by Adobe Reader documents and email. Help is available by phone.



**WET LAB:** A ninth unit is the wet lab, which is usually held in conjunction with the annual AKCA business meeting. This meeting is usually held in June and hosted by one of the AKCA koi clubs across the nation. [The 2019 Wet Lab will be held June 29-30, and will be hosted by the South Carolina Koi and Water Garden Society in Greenville, SC] AKCA is working on changes that will make it easier for everyone to complete this unit and receive their certification.

**SOFTWARE NEEDED:** You will need Adobe Acrobat Reader installed on your computer; if you don't have it, it may be downloaded from the AKCA.org website. The course may be taken without printing anything at all, but you can print it all out if you wish.

**\*\*NOTE:** Course can be taken by regular postal mail, but there is an additional charge. Email [terry@specialtysteelservice.com](mailto:terry@specialtysteelservice.com) or call Terry at 801.631.0414 for more information.

**OTHER SUPPLIES:** Several books and pamphlets are recommended. All pamphlets and books are available from the AKCA bookstore. These are resources that you will use frequently in your care of koi, but none are mandatory.

IKS is always looking for members willing to take further training and then share their knowledge with the club and other members. Such training is most useful, of course, for your own pond, but it is also extremely helpful when we hold Koi Auctions and during rescues. And you can't beat the satisfaction of helping other hobbyists when they have problems with their ponds. Think about it...what have you got to lose? 🐸



*Nature will bear the closest inspection. She invites us to lay our eye level with her smallest leaf, and take an insect view of its plain.*  
~ Henry David Thoreau



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- John Svelan



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Coming up on **June 1**, will be our seventh **Koi Auction and Used Equipment Sale**. Many of our members have never worked one of our auctions nor even attended, so some background information about the event seems prudent as we start asking you to volunteer for it.

Our first Auction, in 2007, was planned as an alternative to the annual Pond Tours begun in 1997. We didn't have a good selection of ponds close together that year, so we needed something else as a major fundraiser. A few people from Koi Club of San Diego (KCS D), notably **Al & Tamsie Pierce**, met with us and shared everything they knew about running an auction. **Nick Milfeld** offered a perfect site to hold it, and he and **Larry Leverett** agreed to chair it. After that first auction, **Jack Marrin** became our regular auctioneer; his Irish tongue and his knowledge of koi were a gift to be shared. Now the success of our auctions is history. And several of the San Diego club members come each time to work along side of us, just for the joy of placing koi in new homes.

The koi that are sold at the Auction generally range from 10 to 20 and more inches long — we never really know until they are all gathered or declared. Depending on availability, a number of smaller fish may also be sold in lots of 2 to 5 for one price (a 'lot' is one bag holding one or more koi.). There should be a wide selection of varieties of koi — again, we never know too far in advance.

All fish will have been inspected for health externally before they are sold. The fish that have been in quarantine at **Ed Kushner's** home are often quite large, and the fish sold at the IKS Auction are always a bargain compared to store retail prices. In the past, lots of smaller pond fish have gone for \$25 - \$50 while the bigger fish can go from \$50 - \$200 each, all very much less than the typical selling price. In fact, fish retailing for up to \$500 can go at the Auction for \$100; fish that would normally sell for \$200 are often purchased for \$50. The Auction usually has one or two show-quality koi which may sell for up to \$400 — again, well below their retail value.

When Jack is asked about where these auction fish come from, he answers that most come from IKS's Koi Rescue & Rehoming Program. These fish were not taken from homes where they were neglected or abandoned; rather, they came from the well-kept koi ponds of people who decided to close down their ponds. Often this was because they were moving or retired from the hobby and wanted their koi pets to go to a better home where they could be well cared for. In reality, many of these koi are quality fish that just need a new home.

The club houses rescued koi at **Ed & Linda Kushner's** home in a dedicated 5000-gallon above-ground pool with its own filtration system; this essentially acts as a very large quarantine tank. The fish are checked daily and are fed a good quality koi food. Members who come to the Kushner's home for our April club meeting will be able to inspect the

quality of these koi. If you have an interest in helping with future rescues, Ed is the one with whom you should speak: he can tell you about the process and keep you informed when a rescue is being planned.

In addition to the Koi Rescue fish, members of the club donate koi for sale. Often the owners have overstocked their pond, or have too many of the same variety and are looking to buy something different. Since they have to move a few koi out of the pond to make room for the new (following the "do not overstock" rule), these "family pets" need to go to good homes, namely their fellow club members' or people new to the koi hobby who are looking for an extremely good value on a well-kept fish. IKS club members have owner-maintained ponds and typically buy higher quality koi because that's what they're used to having in their ponds as serious koi keepers. Anyone who buys one of the members' fish at our auction typically gets one heck of a deal on a quality koi.

Summing it up... the auction will provide an opportunity to buy some good quality fish at some really great prices and is an ideal place for people starting a koi pond to pick up a well-balanced selection of koi to accent their pond. Anyone who is considering the koi hobby and wants to buy fish to start their pond won't want to miss this opportunity on Saturday, June 1, at Milfelds' Nursery in Riverside.

I mentioned asking members to volunteer to work the Auction. There are about 40 job assignments to be filled to make the day run smoothly, as well as several key jobs that have to be done the day before to set it up. For some jobs we look for fish-handling experience, others are technically clerical jobs and very much social jobs: this is where we meet the public with our best face forward and often gain new members in the process. A full list of the jobs with descriptions will be available soon, and questions can be addressed to Nick or Larry at any time.

The Equipment Sales is the other half of this event, and anyone can sell used equipment. You can donate things fully to the club, or take a 75/25% split on the proceeds of the sale (you take the 75%). I mentioned members donate koi to sell, but I guess I failed to mention that koi can be sold with a 50/50 split up to \$300; anything in excess of \$300 is yours to keep.

People attending the Auction buy a *bidder paddle* and included in the price of it is a lunch. They can check in at 9:00am and look at the fish, but the actual Auction starts at 10:00am. Our workers need to be there Saturday morning at 8:00am, and a few will work all day Friday setting up the auction site or transporting fish from the Kushner's to Riverside.

Working together on a project this large is one of the ways our club members really bond. It's a well choreographed day, an exhausting one, yet lots of fun and quite a learning experience.

Lunch is provided for our volunteers, as well as coffee and doughnuts in the morning and drinks all day. We just hope for a clear slightly cool day — not a day in the 90's — and enjoy it all! ☺



"Sold! A beautiful Kohaku to #108 for \$75."



Typical quality of koi sold at IKS Koi Auction



- Settlement chambers
- Microtrainers
- Bead filters (various)
- Mechanical filtration
- External pumps
- Ultraviolet sterilizers
- Leaf baskets
- Quarantine tanks
- PVC plumbing
- Bio media
- valves & connectors
- air pumps, plastic hose

Savings of 35-90% on major brands

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**Meet K.O.I. In Person!**



Visit the K.O.I. booth  
at the 32nd KCSD  
Koi Show ~ March 2-3

[Join other IKS members  
there to select a koi for  
a Friendship Award]

**K.O.I. funds KHV research at OSU**  
Better infection control at Koi Shows

**Enter our Monthly Contests, win a MUG!**



**New chance to win each month!**

<http://koiorganisationinternational.org/koi-contest-changes-monthly>



**NEW Blog Posts!**  
**Over 650 Available!**

- [Attention Span?](#)
- [Koi Growth Rates – Length vs. Weight](#)
- [Unused Medicine Disposal](#)
- [Pond Predator Mammals](#)
- [How Much Do Koi Cost?](#)
- [What is Known about KHV by WOFAH](#)

**A Good Read in KoiUSA**

**D**o you subscribe to the *KoiUSA* magazine? The current issue (January-February 2019) has a wealth of information to help us care better for our wonderful koi. Perhaps the best is a six-page article titled “15 Commandments of Koi Keeping” by Casey LeFever.

**W**ithout giving any detailed info, I would share with you his list of commandments. If you can give yourself a pep talk about how well you are keeping each command — evidence you understand all that each implies — you’re well versed in the intricacies of koi care; if not, you need to do some research or get the article. We could probably use the list for 15 months of topical presentations at our meetings! So here is the list.... Test yourself!

- 1** Thou shalt keep the water
- 2** Thy filtration shalt be large enough to handle thy current and future fish load
- 3** Thou shalt clean thy filters every week
- 4** Thou shalt not put rocks in thy pond
- 5** Thou shalt not use submerged lava rock as filter media
- 6** Thou shalt replace up to 25% of thy water every week, adding dechlorinator if needed
- 7** Dechlorinator is the only chemical thou shalt add to thy pond
- 8** Thou shalt learn how to quarantine properly
- 9** Thou shalt not overcrowd thy pond
- 10** Thou shalt have air going in thy pond at all times
- 11** Thou shalt have at least one bottom drain
- 12** Thou shalt have at least one skimmer
- 13** Thou shalt buy koi only from trusted sources
- 14** Thou shalt learn how to diagnose and treat parasites and bacterial infections
- 15** Thou shalt require more money than thou thinketh



**H**ow did you do? If not so well, or if some of the commands challenged you, check out the IKS Library (or the AKCA Book Store) and start studying!

*~IKS Library & Video Tapes*

Just go to our web-site <http://www.inlandkoiociety.org> and check on Resources. A drop down menu will give you two choices; choose the “IKS Library” link.

You can reserve any item from the on-line Library by contacting our Librarians, **Jim & Tess Poyle at (951) 797-3007**. They can bring your selection to the next meeting. We ask Members to check out one item at a time.



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# KOI SHOW

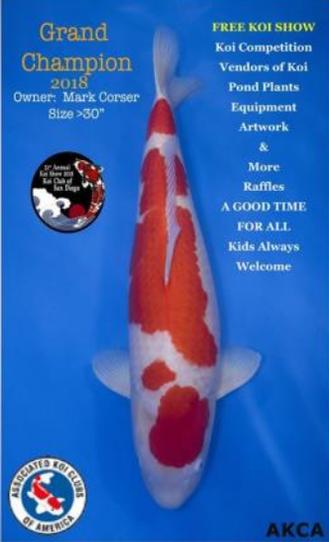


**The KOI CLUB of SAN DIEGO**

**Invites You to Their  
32nd Annual Koi Show**  
**March 2 & 3, 2019**  
**Del Mar Fairgrounds**  
**Activity Center**  
**Exhibit Hours**  
**Saturday: 9am - 4pm**  
**Sunday: 9am - 2pm**

Show Chairman – Matt Rhoades  
 show@koicsd.org  
 Entrant Chairman – Jack Chapman  
 entrant@koicsd.org  
 Vendor Chairman – Greg Ruth  
 vendor@koicsd.org  
 For more information on the show,  
 please check out our website at  
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45th Annual Koi Show  
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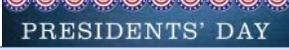
**Saturday 10am - 5 pm**  
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 Awards Banquet  
  
**Sunday 10am - 3pm**  
 Judges' Commentaries  
 Koi Auction 12:30 pm

**For More Information:**  
 Alan Stein:  
 alandds@earthlink.net  
 Chai Taevanitchareon:  
 tatekoi@aol.com  
  
 Or go to: [znasocal.org](http://znasocal.org)

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F E B	10	<b>IKS BOARD &amp; AUCTION MEETING</b> ~5pm / Host: <b>Ed &amp; Louise Broomfield</b> , 427 Lee Ave, Claremont / Interested members welcome: call 909.519.7026
	14	<b>Valentines Day</b> 
	18	<b>Presidents' Day</b> 
M A R C H	24	<b>IKS POTLUCK MEETING</b> ~ 2-5pm / Host: <b>Mac &amp; Jill McClain</b> , 16130 Red Pony Lane, Riverside 92504 / Info, call Mac at 909.225.2346 / Speaker, Ed Broomfield KHA: <i>Getting Ready for Spring</i>
	1-2	<b>Pecharanga Wine Festival &amp; Chocolate Decadence</b> ~ Friday, 7-10pm; Saturday, 1-5pm / starting at \$35 / info & tickets at <a href="http://www.pecharanga.com/entertain">www.pecharanga.com/entertain</a>
	2-3	<b>32nd KCSO Koi Show</b> ~ Activity Center, Del Mar Show Grounds, San Diego / Saturday 9am-4pm; 5pm Awards Banquet / Sunday 9am-2pm / Free + parking
	10	<b>IKS BOARD &amp; AUCTION MEETING</b> ~5pm / Hosts: <b>Larry &amp; Debby Leverett</b> , 5349 Jasper Lane, Riverside 92506 / Interested Members welcome, call 951.781.3887 ~ <i>Daylight Savings: Spring forward!</i>
	16-17	<b>ZNA SoCal 45th Annual Koi Show</b> ~ Gardena Civic Center / Saturday 10am-5pm, Banquet / Sunday 10am-3pm / Auction / Free; open to public. Info: <a href="mailto:alandds@earthlink.net">alandds@earthlink.net</a> or <a href="http://znasocal.org">znasocal.org</a>
A P R I L	24	<b>IKS POTLUCK MEETING</b> ~ 2-5pm / Host: <b>Vicki Grunewald</b> , 39167 Orchard St., Beaumont 92223 / 909.224.3525 / Speaker, Ed Brown: <i>Importance of Redundancy; Installing Auto-fill-Overflow Devices</i>
	1	<b>April Fools' Day</b> 
	6-7	<b>ZNA NorCal Show</b> ~ Wyndham Garden San Jose-Silicon Valley Hotel / Info: <a href="http://nishikigoi.org/Events">nishikigoi.org/Events</a>
	13-14	<b>Riverside Flower Show &amp; Garden Tour</b> ~ Elks Club, 6166 Brockton Ave. / <u>Friday</u> : IKS Set-up 4pm / <u>Saturday</u> : Gardens 10am-4pm; Show 1-6pm / <u>Sunday</u> : Gardens & Show 10am-4pm / <u>Sunday</u> : IKS Tear-down 4pm (Board Meeting follows)
M A Y	14	<b>IKS BOARD &amp; AUCTION MEETING</b> ~5pm / Hosts: <b>Nick &amp; Peggy Milfeld</b> , 1644 Northhampton Dr., Riverside 92506 / Interested Members welcome, call 951.780.7395
	21	<b>Easter Sunday</b> <i>Christ Is Risen</i>
	28	<b>IKS POTLUCK MEETING</b> ~ 2-5pm / Hosts: <b>Ed &amp; Linda Kushner</b> , 1556 Vandagriff Way, Corona 92883 / 951.520.0092 / Speakers, Nick & Larry, Auction co-Chairs: <i>Training and Q&amp;A</i> / <b>Voting for Koi<sup>of</sup> the Year &amp; Koi Person<sup>of</sup> the Year</b>



*Has there been snow around you? Send me photos for next issue!*





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