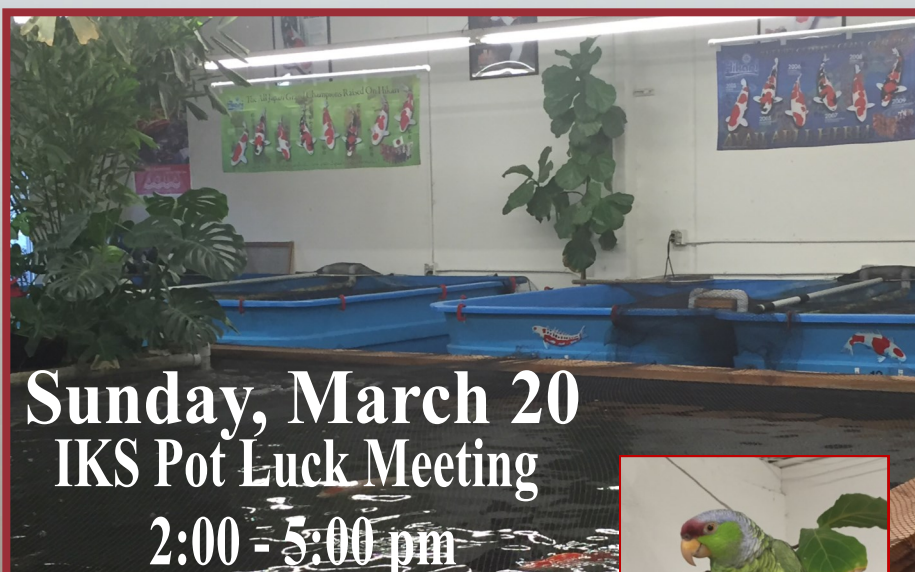


# ***The Inland Koi Connection***



**THE OFFICIAL  
NEWSLETTER  
OF IKS  
ISSUE 231  
MARCH  
2016**



**Sunday, March 20  
IKS Pot Luck Meeting  
2:00 - 5:00 pm**



*Our Inland Koi hosts  
Joe & Peter Cao  
714.438.0087*



**Inland Koi  
18122 Mt. Washington St.  
Fountain Valley 92708**

**Other Options  
for a Full Day:**

**Start early at the  
ZNA SoCal Koi Show  
Gardena Civic Center  
1700 W 162nd St. 90247  
10am - 3pm  
Entertainment & Auction**

**Meet at noon to visit  
Burt Ballou's 3 Ponds  
9521 Andover Circle  
Fountain Valley 92708**

**If he's home, visit  
Mark Whelan's Pond  
just next door**

**Then meet at  
Inland Koi  
for Lunch & Program  
Free to buy koi,  
food or pond supplies**

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

At the March 2 meeting we discussed:

- **Wonderful turnout of 52 at the Blais'**. Pond was clear, koi were happy, and so much more was done in the month prior! 'Koi Jack' Chapman was full of new ideas about the springtime transition, focusing on how we put our fish to sleep in Fall so they wake healthy in Spring! Enthusiastic reception. Room for all in shade.
- **Confirmed** meeting plans for March 20, a week early because of Easter, at the new Inland Koi in Fountain Valley, 2-5pm. It was noted that Burt Ballou, our January speaker, who has three ponds, lives in Fountain Valley...we can visit his pond before the meeting, and Mark Whelan is next door. Will start there about noon, move on to Inland Koi for potluck and meeting. Those who can go earlier could go to Gardena Koi Show first. Carpool as possible.
- **More hosts are needed** for the rest of the year; to invite the club to your home and choose your month, please call the Fales.
- **Koi Rescue**: Rescue planned for March 5 in Upland; non-member needs to close his pond because it's leaking. Koi from Mystic.
- **Member Renewal**: Five members we haven't seen in a while came to the last meeting and renewed. [Check the list, pg.4, to see if you are current.]
- **Health Reports**: Bob Henry had two 2-hour surgeries for his heart - an ablation to stop cardiac arrhythmias and insertion of defibrillator; he is doing well. Phyllis Zehm is doing well after a repeat surgery. Dennis Lynaugh is settled in nursing home. Shirley Marchant had a long hospitalization for a bacterial abscess in her leg; with osteoarthritis in her hip, she is now using walker and hopes to be back at a meeting soon. Debby Leverett fell, broke the radius in her right arm, and got quite a concussion; she's trying to get the gardens ready for the Flower Show Garden Tour, using her left hand!
- Discussed need for updated inventory of the club's Library.
- **Next Board meeting** will be Wed., March 30 ~ at Jack's.

Peggy Milfeld, Secretary ☺\_('')\_☺



## BOARD OF DIRECTORS

President: **Position Open**

Vice President: **Rob Fales** ~ Mtg Sites & Speakers  
(951) 279-0181 ~ Rob\_fales@inlandkoiociety.org

Secretary: **Norma Marrin**  
(909) 792-3603 ~ norma@marrin.com

Treasurer: **Nick Milfeld** ~ Membership  
(951) 780-7395 ~ NickMilfeld@inlandkoiociety.org

Newsletter Editor (Interim): **Peggy Milfeld**

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(951) 279-0181 ~ Rob\_fales@inlandkoiociety.org

Director: **Ed Kushner** ~ Koi Rescue  
(951) 520-0092 ~ edkushner@inlandkoiociety.org

Director: **Larry Leverett** ~  
(951) 781-3887 ~ LarryLeverett@inlandkoiociety.org

Director: **Jack Marrin** ~ Info, Club Properties  
(909) 792-3603 ~ jack@marrin.com

Director: **Randy McGarvey** ~  
(909) 534-5776 ~ randymcgarvey@inlandkoiociety.org

Director: **Tom Ross** ~  
(951) 354-6444 ~ tomzuma@att.net

Director: **Tom Wright** ~ Koi Health  
(951) 990-5479 ~ TomWright@inlandkoiociety.org

## IKS HELP LINE

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

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

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

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

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

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.



**This month** we have the option of making it a full day about koi, or just doing the usual afternoon meeting. Because of the distance, we would encourage carpooling as much as possible, just for the fun of it as much as for savings on gas! Besides, Burt's house is on a short *cul-de-sac*, with not much parking. If you leave really early, you can start with breakfast out and end with dinner out.\*

Most of us have never visited the **Gardena Koi Show**, but Inland Koi told us that this show attracts some of the biggest and most expensive koi around, and they suggested we add it to our plans. Several of our members will be there on Saturday, working or just enjoying the judging, but it's worth going on Sunday, too. The Judges' commentaries and a koi auction at noon are part of the day, plus all the vendors. And...one of our own members, **Mike Frady** of Alexandria, VA, will be participating as a Judge. It would be great to see him!

Everyone was impressed with **Burt Ballou's** talk of his ponds at the February meeting, and curiosity—plus the fact that he has three ponds—is enough to get us there. It's a mini, private pond tour in one stop. And even better, former IKS member **Mark Whalen** lives right next door. Years ago we made the trek to visit both of them and had a grand time, but with membership changes over the years, most of you have not been there. Be prepared to be impressed!

And the best of the day is a visit to **Inland Koi**, our used-to-be-local dealers. **Joe & Peter Cao** imported Japanese koi to their Riverside home for years, maintaining tanks around a converted swimming pool that held their biggest and best! Some time back, they moved to a commercial building on Indiana Ave. in

Riverside and designed a wonderful display system and showcase for the koi. From there they move out to Fountain Valley, into a much larger space, giving themselves a more centralized location to cater to more hobbyists. It's a long commute every day from Riverside, but only for one of the brothers; the other lives nearby. The ponds at the Riverside home are probably still there; after all, who would get rid of them? And it has frequently been very convenient to order a big bag of food and have it delivered to Riverside because the car's coming this way anyway!

**Inland Koi has an enormous selection of koi** in all sizes and prices. They also carry all the equipment you could need, a complete selection of related products, medications, foods, etc., as well as a beautiful collection of teak garden furniture. We are free to shop and can ask for their recommendations on all of the products and equipment.

The meeting will include our usual potluck lunch and raffle, and time for exploring every square inch of Inland Koi. Bring chairs for gathering 'round the display ponds. Bring your questions.



\*If you like **Panda Express**, kids at our church are raising camp funds: If you buy a meal at the Magnolia & Harrison store in Riverside (by Lowe's), between noon and 9pm, they get 20% of the pre-tax sale. We'll have some copies of the necessary flyers, if you're interested. Is that a shameful promotion? I'm sorry!

## Getting There from Riverside...fine-tune with your GPS

**ZNA SoCal Koi Show ~ 10am-3pm**  
Gardena Civic Center  
1700 W 162nd St., Gardena 90247

**CA-91 west** to Gardena - **55 mi**/Riverside  
*Crossing the 110, becomes Artesia Blvd. and there's Krispy Kreme Doughnuts just past Vermont Ave.!*

Turn right onto S. Western Ave. - **.8 mi**  
[ARCO/ampm on the corner]

Turn right on W 162nd St - **.1 mi**  
Arrive at Civic Center - watch for signs  
[Reach Harvard, you've gone too far]

### To Burt's from Gardena:

Backtrack to **CA-91 east**

Take ramp right for **I-405 south**  
toward Long Beach - **17 mi**

Exit for Beach Blvd/Edinger Ave  
[right on Beach, left on Edinger, under the freeway; go three major blocks]

Left on Bushard St

First right on Newfame Circle

First right on McDermitt

First right is **Andover Circle**, a cul-de-sac

**Burt Ballou's Koi Ponds ~ noon**  
9521 Andover Circle  
Fountain Valley 92708

**CA-91 west - 25 mi** from Riverside

Exit 34 to **CA-55 south** - **12 mi**

Exit 6A to **I-405 north** - **6 mi**

Exit 15 to **Magnolia St north** -

Right on Magnolia

First right on Heil Ave.

Left on Bushard St.

Cross Edinger

First right on Newfame Circle

First right on McDermitt

First right is **Andover Circle**, a cul-de-sac

- If he's home, we'll also visit Mark Whalen at 9531 Andover Circle

[Did anyone stop at Krispy Kreme?!]

**Inland Koi ~ 2-5pm**  
18122 Mt. Washington Street  
Fountain Valley 92708  
[10-15 minutes from Burt's]

Right on McDermitt, becomes Moss Glen

Right on Hiram St.

Right on Edinger Ave.

Left on Magnolia St [76 gas on corner]

Take ramp right for **I-405 south - 2.6 mi**

Exit 12 to a left at 'T' on Euclid St.

Under fwy to first right on Condor Ave.

At the left curve, the name changes to

Mt Washington St.

Driveway on right past Inland Koi; park and enter in the rear.

We can use the teak furniture display room for our lunch, then take our chairs to sit around the koi tanks (when we're not shopping!) and enjoy time with Joe and Peter. Come with questions; our hosts are rather shy in front of a group! And if you plan to buy koi, you may want to bring a box for transport.

**Renewals received to date...**

If you're not listed below, we hope to hear from you soon! Please return your pre-printed Renewal Form with any corrections or additions. After March 31, our mail list has to be culled and a new Directory will be made.

For that, Donise Lei will try to take pictures of all members, singly or as couples or families, over the next couple of months, so please come photo ready and smiling to meetings!

Atkiss, Paul & Cheryl  
Blais, Armand & Evelyn  
Broomfield, Ed & Louise  
Cover, Spike & Ginger  
Fales, Rob & Deanna

Frady, Mike & Carolyn  
Haltermann, Perry & Janice  
Hamilton, Duane & Carole  
Hanson, Orville  
Haumann, Bill & Trish

Henry, Bob & Bonnie  
Henry, Richard & DeeDee  
Hoffman, Francine  
Holtorf, Pamela  
Howo, Aiko

Hunter, Phil & Rachel  
Hurley, Steve & Patricia  
Kushner, Ed & Linda  
Layes, Jim & Marty  
Leever, Carl & Mary

Lei, William & Donise  
Leverett, Larry & Debby  
Liette, Mary Ann  
Lynaugh, Dennis & Dorothy  
MacLaren, Ed & Lynn

Mall, Jerry & Pat  
Marchant, Shirley  
Marrin, Jack & Norma  
McClain, Mac & Jill  
McGarvey, Randy & Pauline

McNutt, Roy  
Miles, Pete/Kasuko Bednay  
Milfeld, Nick & Peggy  
Moreno, Robt & Marcella  
Nobles, Christine & Gary

Nyirady, Steve & Laura  
Parsons, David & Hilda  
Poyle, Jim & Tess  
Ramirez, George & Juli  
Rein, Lloyd & Joy

Ross, Tom & Zuma  
Rowland, Audrey  
Salazar, Anthony & Heather  
Sierra, Miguel & Kelly  
Simmons, Bob & Vickie

Taggart, John & Kathy  
Thomas, Scott & Liane  
Thompson, Denny & Carole  
Walters, Bob & Martha  
Wolf, Larry & Dorothy

Wright, Tom & Tee  
Zehm, Scott & Phyllis  
Zoetemelk, Theo & Jeanne

**REMEMBER:** We'll be culling the list the end of this month.

**WELCOME TO OUR NEWEST MEMBERS!**

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



**02/3: Robert & Marcella Moreno**  
San Bernardino 92404

*The Morenos inherited Jim & Marty Layes' pond when they bought their house. Their membership is a thoughtful gift from the Layes so they can learn more about their new pets. Welcome! We hope to meet you soon!*



**11/4: Ed & Louise Broomfield**  
Claremont 91711 ~ cell (909) 519-7026  
e.broomfield@verizon.net  
louise.broomfield@verizon.net



**We've moved:**  
**Jim & Marty Layes**  
755 Indigo Street, Beaumont 92223  
jim.layes@verizon.net

*Write these folks into your Directory and seek them out at meetings. Make them welcome; more than members, make them friends!*

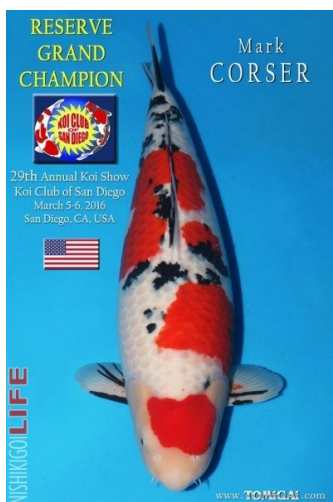
**Note:** If you can't be at the March meeting, would you consider sending me a *mug shot* or *selfie* for the Directory. Having faces on names helps us remember people we only see once a month.

Phone photos will work great. No cell phone? Just ask a friend or neighbor to take one and forward it to me at (951) 892-4270 or to milfeld@msn.com.

I'm hoping to have everyone pictured in this Directory, and to have it to you as soon as possible.

Thanks! ~Peggy

## top winners at the San Diego Koi Show





Our meeting opened at 2pm at the newly renovated pond and gardens of **Armand & Evelyn Blais**. A final count of 52 members gathered to view every detail of the landscape and pond and to listen to our club's dear friend and koi expert, Jack Chapman, lecture. As we entered the pond area, we caught a glimpse of Jack sitting amidst many club members who were clinging to each word he had to say. You would never suspect he was a little under the weather and had left a nice warm bed and couch to share once again his koi expertise with us.

Rob Fales called us together with, "Let's eat and hang out! Our guests **Bill & Ellen McCarthy** should be first in line at the food table." Somehow they couldn't make it to the front of the line, through the double doors, past a beautiful red clock and to the food table fast enough. Sorry, Bill and Ellen; we welcome you, but I guess we were all hungry. Our intentions are good! Food was plentiful and good as ever; Eve's Filipino *Pancit Bihon* dish and Aiko's Hawaiian Chex Mix were yummy! (Asked Aiko for the recipe, but haven't received it yet!)

Rob announced congratulations for birthdays this month, for **Jeannie & Theo's** 51<sup>st</sup> wedding anniversary, and all those celebrating anniversaries. He also asked for good thoughts for a speedy recovery for **Bob Henry** and **Debby Leverett**. We also are thankful for **Phyllis Zehm's** continued recovery after surgery.

**Armand & Eve** thanked the members for coming. They love to entertain and offered their home as a meeting place every month if needed. Armand described the renovation of the pond and backyard. The beautiful planter on the side of the house was redone. The patio cover sheltered us well; Eve was worried that it would rain when, in fact, the patio cover protected us from the hot sun. The hole for the 5500 – 6000-gallon, 4'-deep pond was dug last May. They have problem-solved with success, overcoming the fact that their help quit after digging one foot into the hard clay, the liner was just short of covering the pond hole by 4-5 inches, the bridge was sinking and they initially had a potential mud pond. A neighbor is a general contractor and assured both Armand & Eve that they could

finish the deck. Between 5:30 – 7:30 pm the Thursday before the meeting, they finished the deck! The bridge, trestle, the gates in the old koi pond, the nutcracker, the exotic plantings and the unique fencing and railing were all renewed and ready. Armand and Eve love to clean and sweep together and they have accomplished a lot in one month! All this hard work has kept Armand in good cardiac health and their spirits inspired, which is the most important thing! Thank you both for your generosity.



Neighbors Walter and Lyle; Bill & Ellen McCarthy; Edward & Trina Brown

Our honorable past president and AKCA Representative and long standing members, **Mac McClain** and his wife **Jill** were presented with the **Koi Persons of the Year Award** for 2015, followed by a short photo shoot. Mac says the award means a lot to him. Everyone agrees there is no filling Mac's shoes – literally! Mac followed with the AKCA report. Of note is that the AKCA magazine, *Koi USA*, is not just available for subscription but is now in public distribution. Some 800 copies sold on newsstands all over the USA.



**Jack Chapman** followed, setting up his easel, with his lecture outline in hand. He thanked us for inviting him and announced details of the upcoming San Diego Koi Show. It will be a sold out show and our own **Mariano Palpallatoc** had reserved five of those tanks for his koi entries.

Koi Jack took an entirely different approach to discussing what needs to be done for the pond as warmer weather wakens our koi in Spring. His new teaching focused on how to ready our koi for sleep in the Fall—*preventive preparation*—rather than just reacting in Spring—*crisis management*. (A summary of his presentation is on page 7.)

**Jack Marrin, as auctioneer**, sold six koi: four were rescue koi and two were generously donated by Ken Liu, owner of Barstow Koi, and brought by Tom Wright. Ken's hard work and expertise has made him a top quality breeder and supplier; just walking through Barstow Koi is inspiring! The raffle was held and the meeting closed. Francine was smiling as she left, toting her new beautiful koi behind her!

~Norma Marrin



Several members we hadn't seen in quite a while came out and renewed. So good to see everyone again!





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**A SYNOPSIS OF JACK CHAPMAN'S LECTURE:**

Jack came to discuss our role as koi keepers in the transitions from Winter to Spring, a topic we need to review each year. This time, though, he came at it from a new angle, making us his first victims for a concept talk focused on "Doing or Not Doing" your pond in Spring. Along the way, he dropped numerous little "factoids" to challenge our thinking further.

Our goal is to optimize our koi's health by improving their surroundings. If they are stressed, their life is shortened, they will lose coloration, and they will not reach their maximum growth capability. **To combat the problems that arise in Spring, the koi owner has to set the stage in Fall!** Our goals should be:

- Optimum water quality
- Pond cleanliness
- Monitored springtime feeding
- Disease prevention

**Fall** into winter, we should focus on and monitor ammonia levels and pH, which are year 'round issues. *Factoid:* If the water specimen is too cold, it may give a false negative; you can warm the test-tube sample in your hands or armpit and test again for a more accurate reading. Ammonia should be at least below .2ppm. Good water quality means keeping the pH monitored closely; and do check it after heavy acid rains.

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*Spring prep starts in the Fall!*

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**Pond cleanliness** is closely related to feeding schedules in relation to the temperature of the water and the koi's digestive activity level. The colder the water the less digestive activity can be expected. The traditional thought was that koi feeding should stop at 55°F, but new literature says to stop at 50°; at 40°F, fish are in true hibernation. After feeding has stopped is a good time to clean the bio-filters and de-oxygenate the pond with Potassium Permanganate as therapeutic treatment to knock down parasites like *Costia* and *Chilodonella*. *Aeromonas* bacteria lives in the koi's gut and in the pond, and affects the fish's immune system, which will be severely compromised the colder the water gets. The so-called *Aeromonas* Alley is that period of time when your pond's water temperature ranges between 42°F and 62°F; this is in Fall when the immune system is strongest, but also in Spring when the immunity is weakest. Between these temps, the deadly *Aeromonas/Pseudomonas* (AP) bacteria grow much faster than your fish's immune system can fight them off, so they can cause deadly bacterial infections with body sores and ulcers.

*Factoid:* Catfish food (on a regular basis) is bad because it can kill koi with fatty liver disease. However, feeding *medicated* catfish chow as the last meal before Winter and the first food in Spring during the "wake up" could be good; better would be a medicated koi food. (Please double check with your koi food dealer.) The period of food abstinence ranges with the size of the fish. The estimated fast for a fish under 12" is 4-6 weeks, for a fish 12-24" is 4-8 weeks, and for a fish over 27" is 8-12 weeks. Larger females will re-absorb some of their eggs and fat to sustain them in lower temperatures.

'Poop Watch' is a regular recommendation from Jack, and

Fall is good time to get rid of all the fish crap in the pond because it breeds bad parasites. If not fully assimilated, floating food becomes floating poop, and a dirty pond for sleeping will yield sick koi in the Spring. Jack recommends water treatments with potassium permanganate (PP) and salt. Currently, Japanese koi breeders treat with large amounts of salt. Jack gave formulas for the use of PP and salt. The koi pond owner should calculate treatment formulas for his specific pond. Many of our members have experience using PP and salt, please feel free to consult with them. Jack also has many articles on the Koi Club of San Diego's website that might help with ([www.koiclubofsandiego.org](http://www.koiclubofsandiego.org)) your calculations.

**Spring has arrived** and water is now about 55°F. Focus on water quality and pond cleanliness again; check the temperature in your pond. Jack keeps extensive journals, documenting water temps, pH and ammonia levels. For Jack, there is no end to learning. Do not feed color food. His lecture included information regarding DOC's, or decomposing organic compounds, nitrates, white blood cells, "wake up" metabolic rates of koi related to the amount of food we should feed them and their size and weight. He encouraged another salt treatment in Spring, taking it up to .4ppm, to promote a good slime coat — but NOT before a show, as a heavy slime coat will reduce the reflective quality of the fish's scales. He also recommended another treatment with Potassium Permanganate as well.

**Koi health** is ultimately affected by water quality, nutrition (feeding the proper food), and good genes. Jack ended with "That's it; I'm done." Rob presented him with \$25 for gas, which he generously donated back to the club. In truth, Jack's work was not done, he had to prepare for a major koi show for the following weekend! Thank you, 'Koi Jack' Chapman!

~Respectfully submitted by Norma Marrin, Secretary

---

Just a little about Jack: *Jack is a retired Navy Captain Medical Service Corp Officer with 42 years of service. He's been involved with fish since he was a small child, starting with fancy guppies and growing up to koi.*

*Jack's interest in and desire to learn about koi began while he was stationed and living in Japan; later and stateside, he joined the Koi Club of San Diego. He has been very active in the club, served two and a half years as an officer (1st VP for Program), and currently is in his 6th year as a Koi Health Advisor (KHA). In 2009, he was program chair for the AKCA Seminar and Koi Show. Jack is an active KHA, performing pond visits and providing weekly assistance with maintaining the pond and koi at the Japanese Friendship Garden in Balboa Park. Jack has a good working relationship with two local veterinarians who treat koi as part of their practices; he has a never-ending desire to learn all things 'koi' and is never at a loss for words or opinions in trying to share that information with fellow koi hobbyists. Jack's own koi pond, built after he retired from the Navy in 2005, is 12,300 gallons — with 10,000 gallons 'in the pond' — and several high quality koi.*

~from the KCSD website...



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Fountain Valley CA 92708**

Winter Hours:  
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Phone: (714) 438-0087  
Website: [www.inlandkoi.com](http://www.inlandkoi.com)  
Email: [inlandkoi@inlandkoi.com](mailto:inlandkoi@inlandkoi.com)

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Spring is a critical season for your pond, especially with regards to pond temperatures and koi and goldfish. After a long winter of cold water temperatures, not eating and sometime less than ideal water quality, koi and goldfish are susceptible to parasites and bacteria. During the winter months when water temperatures are below 40°F (4.5°C), koi and goldfishes' metabolisms slow right down and their immune systems are dormant. Luckily, pretty much everything else in the pond is dormant during the winter, including the 'bad' disease causing bacteria such as *Aeromonas* and *Pseudomonas*, as well as many common parasites.

### Aeromonas Alley

However, when the water begins to warm up in the spring (and the ice melts from the pond), it marks the beginning of a critical and potentially dangerous time period for fish. This spring 'danger zone' is often referred to as '*Aeromonas Alley*' which is **when the pond temperatures are between 50°F and 65°F** (10°C and 18°C). As the pond temperature reaches 50°F, these bad bacteria begin to grow and multiply in the pond much faster than the fishes' immune system. In fact, fishes' immune systems are only working at 50% efficiency when the water temperature is 65°F. To make things worse, many common parasites such as *Costia*, *Chilodonella*, *Trichodina* and Flukes also begin to grow rapidly at the same time.

If you cleaned your pond properly last fall, it greatly increases the chances that your fish will be fine. Many parasites and bacteria thrive in ponds with lots of sludge and organic matter at the left in the bottom.

During the spring, water quality can also be a problem. The good bacteria that live your pond and filter (*Nitrosomonas* and *Nitrobacter*) and break down harmful ammonia and nitrites multiply very slowly compared to other bacteria, especially in cool water. It is always a good idea to feed your fish sparingly in the spring when temperatures are cool and monitor water quality (ammonia, nitrite and pH) with a water quality test kit.

### Watch Fish Closely for Signs of Stress

If you notice any signs of stress or unusual behavior with your fish, take a closer look at them. If any of your fish have a parasite or bacterial infection, treat immediately. If you catch an infection at an early stage, there is a much greater chance of successfully treating it. Signs of bacterial infection include ulcers (red sores), red streaks in the fins and on the body, fin rot, and mouth rot. Signs of parasite infections include white spots on fins and body, greyish film patches on the body, excess mucous or slime coat on fish, and fins clamped close to the body. Treat with Knock-Out, Pond Rid Ich or Microbe Lift Broad Spectrum Disease Control; these are safe to use when water temperatures are above 50°F.


### Important Pond Temperatures

- 40°F (4.5°C) and below – very little activity in the pond
- 48°F (9°C) – *Aeromonas*, ulcer causing bacteria, become active and multiply
- 50°F (10°C) – *Costia*, a common pond parasite, begins to reproduce quickly. Flukes are slowly reproducing.
- 50°F (10°C) – *Nitrosomonas*, a good bacteria in your pond and filter that convert Ammonia into Nitrite, becomes active
- 50-55°F (10-13°C) – koi and goldfish should have 'awakened' and begun to feed. Their immune system is starting to work again. Start using cold water bacteria to jump-seed filters with good bacteria
- 58°F (14.5°C)– *Nitrobacter*, the good bacteria that converts Nitrite into Nitrate in your pond, is becoming active
- 60-64°F (15-17.5°C)– Other parasites become active (*Ich*, *Trichodina* and *Chilodonella*)
- 65°F (18°C)– Fishes' immune systems are getting stronger – up to 50% of full strength – and can fight off most typical bacterial and parasites in the pond if water quality is good.

Usually, once your pond warms up to above 65°F, the chances of your fish becoming sick is much reduced. As long as proper pond maintenance is performed and water quality is maintained, you should enjoy a trouble free pond season.

~By Chris Dahl, 2015 ~ <https://www.pondexperts.ca/>

Our IKS donor community needs 24 donations a year to continue. It's painless and takes 1-2 hours.



**TODAY**

Is there a blood donation on your calendar?

Remember to credit IKS when you give!

Donate in Riverside at: **4006 Van Buren Blvd., 92503**

Call **Life Stream** at **951.687.2530** to schedule your donation!

## 2 Koi Guys

### Scott Zehm

### Robert Walters

**951 237-2508**



● INSTALLATIONS ● PONDS ● FILTRATION

● DESIGN ● CONSTRUCTION ● MODIFICATIONS

● YOUR UV LAMP SOURCE ● LINER OR CONCRETE



## The 9th Annual ZnaNorcal Koi Show

April 2-3, 2016 - Sat, 9am-5pm & Sun, 10am-2:30pm

**Four Points by Sheraton Hotel**

399 Silicon Valley Rd.  
San Jose, CA 95138  
(408) 972-7800

Free to the public

**Koi competition and Education**

Auctions, Raffles, Artists, Dealers, Contractors  
Bonsai and a whole lot more

Platinum Sponsor:



Show Chair: Dr. David Tran  
(408) 234-8564  
ulyse96@hotmail.com

Vendor Coord: Don Chamberlain  
(408) 594-4161  
don@greatwaveeng.com

ZnaNorcal.info

June 18<sup>th</sup> & 19<sup>th</sup>  
2016

THE PEOPLE OF  
IOWA  
WELCOME YOU



Fields of Opportunities

"Experience life and the  
people who reside between  
the two great rivers  
that frame our state."

### AKCA Business Meeting, Wet Lab & Banquet

Hosted by the North East Iowa Koi Association

*Opportunities are there for the asking!*

1. Opportunity to learn, question and visit with Dr. Nick St. Erne, DVM, Wet Lab Instructor from Phoenix, Arizona and Julie Miller, KHA Director.
2. Opportunity to view the world of koi through the eyes of a koi show judge. Devin Swanson from Koi Acres, Scandia, Minnesota, will be our banquet speaker.
3. Opportunity to tour Kloubec Koi Farm, a third generation breeder of winter-hardy Koi. See their 80-acre farm and hatchery mud ponds.



#### Additional Information:

Brenda Chandler  
(949) 650-5225  
donnbda@aol.com

Claude/Dianne Head  
(319) 266-8082  
cch@cfu.net



Clarion Inn University Plaza  
5826 University Ave.  
Cedar Falls, IA 50613  
Reservations:  
(319) 277-2230

## ZNA SoCal Chapter 42nd Annual Koi Show

**Gardena  
Civic  
Center**

March 19 & 20, 2016



**Open To The Public**

**No Admission Fee**

Friday 1pm - 7pm

Koi Entry

Saturday 10am - 5 pm

Entertainment • Koi Judging

Koi Husbandry Lectures

Awards Banquet

Sunday 10am - 3pm

Judges' Commentaries

Koi Auction 12 pm

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

For More Information:

Alan Stein alandds@earthlink.net  
Chai Taevanitcharoen tatekoi@aol.com  
or go to: znasocal.org



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

Great Resources Are Available In Our



*IKS Library*



A complete list of books & videos is available on  
our website. Contact our Librarian, Audrey Rowland,  
and she'll bring what you want to the next meeting!  
(951) 233-3671 ~ rowlandalong@gmail.com

*My humble apologies for the tardiness of this month's  
newsletter. Both our computers were compromised, and  
then I was totally locked out of access to mine. I am  
grateful to Linda Kushner, who was quick to answer my  
call for help, although it meant having the machines  
taken away for repair. More work is needed to get them  
right again, but I think they're clean now. ~Peggy*



# SAVE THE DATE

69th Annual Riverside Community



## FLOWER SHOW & GARDEN TOURS

"Moments in Thyme"

**Saturday, April 16, 2016**

Gardens 10 am - 4 pm • Show 1 - 6 pm

(Maps & Tickets available at Elks Lodge at 9 am Sat.

Flower Show opens at 1 pm)

**Sunday, April 17, 2016**

Gardens and Show 10 am - 4 pm

Flower Show at the Elks Lodge

6166 Brockton Ave. Riverside

plus 6 Private Gardens

\$10 Presale or \$12 donation at the door

Children under 16 FREE with paying adult

Presale locations listed on the website

It's Free to visit our Garden Fair!

- Jewelry
- Handcrafts
- Plants
- Garden Art
- Food

PayPal



FOR MORE INFO GO TO: [RiversideFlowerShow.info](http://RiversideFlowerShow.info)  
OR CALL 951-850-8277

MARCH

18-20

**ZNA SoCal Annual Koi Show** ~ Gardena Civic Center ~ Fri. 1-7pm Koi Entry; Sat. 10am-5pm; Sun. 10am-3pm / Free

20

**IKS POTLUCK Meeting** ~ 2-5pm hosted by Inland Koi, 18122 Mt. Washington St, Fountain Valley 92708.

**One week EARLY!**

Visit Burt Ballou's ponds in Fountain Valley before meeting, noon to 2pm. Go even earlier to visit the Gardena Koi Show!

27

**Easter Sunday** ~ have a blessed day!

30

**IKS BUSINESS Meeting** ~ 7pm ~ All members welcome! Meet at 6531 Box Springs Blvd., Riverside 92507

APRIL

16-17

**Riverside Flower Show / Garden Tour** ~ \$10 / Elks Lodge, 6166 Brockton Ave, Riverside/ (951) 850-8277 / IKS will display a koi pond in the lobby as we have in the past. Set-up on Friday at 4pm. [www.RiversideFlowerShow.info](http://www.RiversideFlowerShow.info)

16-17

**Fullerton Arboretum Green Scene** ~ 10am-4pm / 1900 Associated Rd., Fullerton 92831 / \$8 / (657) 278-4798 / Outdoor garden event. The spring event for bulbs, succulents, organic veggies, varietal plants, garden products & accessories. Food court & beer garden. / <http://fullertonarboretum.org/>

17

**Fallbrook Avocado Festival** ~ 9am-5pm ~ For GPS, use Fallbrook Union High School: 2234 Stage Coach Lane, Fallbrook to get to outer limits of Fallbrook / No pets, please! Avocado and Guacamole contests, Arts & Crafts, & 350 Unique Booths / [www.fallbrookchamberofcommerce.org](http://www.fallbrookchamberofcommerce.org)

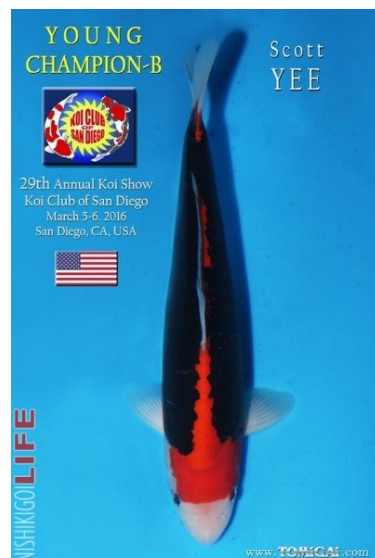
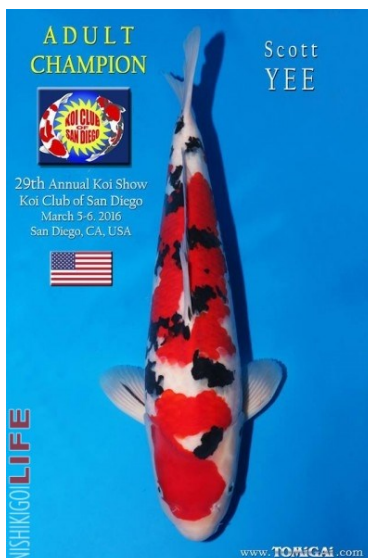
24

**IKS POTLUCK Meeting** ~ 2-5pm ~ Hosted by Francine Hoffman, 5720 Via Conejo, Riverside 92506.

27

**IKS BUSINESS Meeting** ~ 7pm ~ All members welcome! Meet at 6531 Box Springs Blvd., Riverside 92507

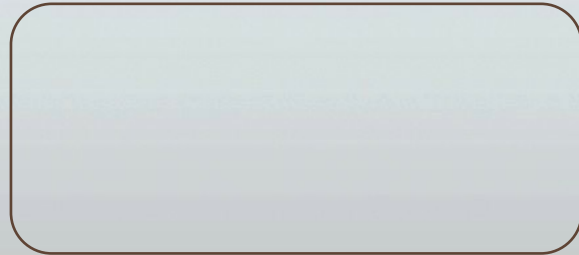
more winners  
at the  
San Diego  
Koi Show



I could not find the list of winners, so I couldn't see what awards *Mariano Palpallatoc* won.



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



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