

The Inland Koi Connection



**THE OFFICIAL
NEWSLETTER
OF IKS
ISSUE 230
FEBRUARY
2016**



Sunday, February 28

IKS Pot Luck Meeting

2:00 - 5:00 pm

26723 Manchester Drive

Menifee 92586



*Hosted by
Armand & Eve Blais*

714.717.2470

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 January 27 meeting we discussed:

- **Great turnout of 48 at the Leveretts.** Pond looked great; crystal clear! Burt Ballou presented a myriad of technical and practical information related to pond construction! Enthusiastic reception. Room for all in the garage for slide show.
- **Confirmed** meeting plans for Feb. 28 meeting at the Blais's in Menifee, 2-5pm. He has a new pond and covered seating for cold or hot weather. Confirmed presentation by "Koi Jack" Chapman on Spring Transitions in the pond.
- **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...perhaps we could visit his pond before the meeting, and Mark Whelan is next door. Will talk with both about starting there about noon, then moving on to Inland Koi for lunch and meeting. A good time to carpool as much as possible.
- **More hosts are needed** for the year; to invite the club to your home and choose your month, please call the Fales. .
- **Koi Rescue:** Several non-members have asked us to clean out their ponds, but want us to take their full assortment of koi, goldfish and whatever. At present, the club has no place to put them.
- **Member Renewal:** at the close of 2015, we had 70 paid members. Over half, 38, had renewed by the January Board meeting. [*Check the list, pg. 4, to see if you are current.*]
- **2016 Pond Tour:** So far 10 ponds have been offered, but none are in convenient proximity to another. No one has offered to chair the Tour; it would benefit the club to have a new volunteer to learn from the usual team. Low attendance and excessive cost led to a decision to cancel. An alternative might be a longer "progressive" meeting, visiting selected ponds as a group and carpooling.
- **AKCA: 2016 Seminar** will be in Cedar Falls, Iowa; Sunday tour will be to Kloubec Koi Farm.
- **Next Board meeting** will be Wed., March 2 ~ back at Jack's!

Peggy Milfeld, Secretary ~ \('')_



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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.

Armand & Eve Blais joined IKS in April 2014, and promptly invited us all to their home in Menifee. We visited on a threateningly humid day in July, but were comforted by the amount of shade offered by a huge overhead patio deck. Armand was in the process of landscaping the back yard, extending the nautical theme from the front to the rear, and had a fairly small pond full of water hyacinth. The house came with a pond—a hole with dirt piled against the house and garage—and Armand had already gone through four stages of learning and revising to get it right. He was trying to decide, even then, whether or not to do it over. He had access to a Bobcat for the dig....

Right! Do it 'til you get it right; maybe this time! Armand had his gardeners start the dig, but they soon deferred to the Bobcat! The current version is four feet deep, 5500-6000 gallons. Bob Walters and Pete Miles helped lay out the filtration: pre-filter to a bead filter, then a split in plumbing to send half the water to a waterfall and half to a biofilter and a second waterfall; the pump is a W. Lim 1/3hp Wave II. There are also two aerators and a 36w UV. It takes all of 10 minutes to clean the system, back-flush the bead filter and hose out the mesh basket on the pre-filter. There are 30+ fish, 17 of good size. Feeding stopped in December; until then, Armand & Eve were training their koi to come to one place for food—to a bench where they like to sit.

Much was yet to be done when we visited on January 30, and Armand was determined to work all month on it. He's had a few problems with the project, starting with the 35' x 35' liner turning out to be only 30' x 35'. Trying to backfill the leading edge looked good for a few hours, but then collapsed forward into the pond, dumping clay soil into the water. After scooping out as much as they could, it took five months filtration to clear up the cloudiness. A tree that shades the pond sheds just once a year, in November, so it was and will be one quick netting to remove the leaves off the pond surface.

Armand has done much in the yard besides rebuild the pond. Lush green artificial turf is more inviting than the borrowed landscape of North Golf Course in the background, and it extends to the other side of the wooden dock walkway to the course. The fruit trees are growing well; when they fill out, they will offer a bit of privacy with their bounty.

Needing time to do all this work, Armand retired after 26 years in the funeral industry, but he still does some advance planning for people. He also continues to work with his orchestra—he plays trombone as well as conducting—and is putting together a USO show for later in the year. Eve still works as a med tech and caregiver, going but one mile to work, church or shopping.

Do note the canoe in the pond. There are three grown Blais children, and two grandkids; the local one liked to feed the koi from the canoe. The other grandchild is in London, and Armand & Eve will be there in August for a visit. (*I'm jealous...!*)

Surprise! Armand told us that Morris & Marie Nyquist, IKS members since 2009 whom we haven't seen in about a year, live just a few blocks away and may drop by for

the meeting. More surprising, the Nyquists are planning to move soon to a 7-acre ranch in Montana (*that doesn't quite sound like retiring; it seems like a lot more work!*) Armand said Morris had travelled the world to build waterfalls, but he never quite got around to building their koi pond.

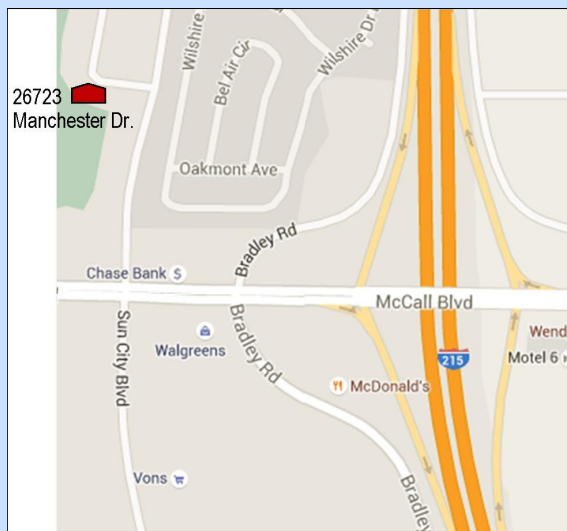


Program for the day will be provided by "Koi Jack" Chapman from KCSD, one of our favorite colorful speakers. His topic will be "Spring into Summer Transitions" and with the recent changes in weather, it will be most timely. Water temps are rising as air temps reach for the 90's, and our fish will sooner-than-expected be clamoring for food.

Only two months to go before we'll be selecting Koi of the year again. While your fish are still a little sluggish may be a good time to get some good pictures for the competition. Remember that you want them taken from directly above, with the fish coming toward you. Get them drifting with fins out. Tubbing is especially nice, and preferred, and they may be easier to catch when lolling about, but a good pond shot is equally acceptable. Just a reminder....

No cluster of ponds have been volunteered for a Pond Tour this year, so the event has been tabled. As an alternative, we would like to visit more member ponds as a group, possibly doing a *progressive meeting* when we visit two or three places with a pond talk and Q&A at each. For instance, we have two members in Claremont and another in nearby Rancho Cucamonga; lunch at one, dessert at the other? Could we do three in one day? Chat about it on the way to Menifee. Meanwhile....

Do bring your chairs (even though there's lots of seating provided) and your potluck dishes. Food will be served from inside the house, so come first to the backyard and then enter the house from the patio.



Getting there:

From the 215 Fwy in Menifee, exit at McCall Blvd. and head west. Turn right on Sun City Blvd., the second opportunity. Left on Manchester (watch for our signs) and look for the red doors of welcome!

26723 Manchester Dr.
Menifee 92586
(714) 717-2470

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!

Broomfield, Ed & Louise
Cover, Spike & Ginger
Fales, Rob & Deanna
Fradly, Mike & Carolyn
Halterman, Perry & Janice

Hamilton, Duane & Carole
Hanson, Orville
Haumann, Bill & Trish
Henry, Bob & Bonnie
Hoffman, Francine

Holtorf, Pamela
Howo, Aiko
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
Nobles, Christine & Gary
Nyirady, Steve & Laura
Parsons, David & Hilda
Ramirez, George & Juli

Rein, Lloyd & Joy
Ross, Tom & Zuma
Salazar, Anthony & Heather
Sierra, Miguel & Kelly
Simmons, Bob & Vickie

Taggart, John & Kathy
Thomas, Scott & Liane
Walters, Bob & Martha
Wright, Tom & Tee
Zehm, Scott & Phyllis

Zoetemelk, Theo & Jeanne
NEW Moreno, Robt & Marcella

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 either the February or March meetings, 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* work great. No cell phone? Just ask a friend to take one and forward it to me at (951) 892-4270 or milfeld@msn.com. Thanks! ~Peggy

In Memory of...

Thomas B. Sharpe

Thomas B. Sharpe, born 23 July 1933, passed away 2 December 2015, in San Bernardino. He had been in hospital and was surrounded by his family at his passing. He is survived by his wife of 60 years, **Pat Sharpe**, and his children: **Chrisie Nobles**, Connie Neill, Cathy Feyen and Steve Sharpe. Tom enjoyed eight grandchildren and seven great-grandchildren.

Tom had a passion for his family, for history and hunting, and for serving as a Master Mason, a Shriner and an Elks member. He had retired from San Bernardino County after over 55 years of service. And he came to love the koi community through daughter Chrisie and his grandson, Bryan, who grew up in the IKS.

A memorial service was held Sunday, 20 December 2015 at the Scottish Rite Temple in San Bernardino. In lieu of flowers, the family had asked that donations be made in memory of Thomas B. Sharpe to: [Shriners Hospitals for Children](#) Los Angeles

Attn. Development, 3160 Geneva St., Los Angeles CA 90020

There's Gladness in Remembrance



Member Updates...

We'll be missing **Phyllis Zehm** for a while: hip surgery done in November failed and had to be redone on Feb. 9. Keep her in prayer. **Francine Hoffman**'s hip replacement in October, on the other hand, presented no problems and she is back out in the yard. She's had both hips replaced now.

Tee Wright was absent, having lost her mother. Expected, anticipated, but still a great loss to the heart. Our sympathies and understanding, Tee.

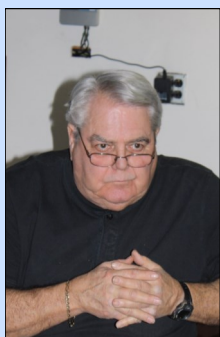
We were pleased to see **Aiko Howo** return to us. The end of September, her daughter from Fresno was down for a Disneyland visit and suffered a ruptured aneurysm in her brain at 1AM in the hotel. Amazingly, she survived it! Rushed to UC Irvine, her brain then reacted with a stroke to compound the problems, and she was kept in a coma. Aiko and family surrounded her 24/7 to keep her connected to the world. She is in therapy now to regain stability, and will remain on disability for the duration.

Orville Hanson had a similar scare with his son, but God is good! The son was setting up a vendor booth for a weekend car race, and his son had taken the day off to join him. When he suddenly collapsed with a stroke, the son was there, and paramedics were setting up their area 10 feet away! Two miles away by ambulance was an heliport, from which he was airlifted to Lancaster. So, within 20 minutes he was being injected with blood thinners and treated. He spent the weekend, was released on Wednesday, and returned to work on the Thursday. All things working together!

Most recently, **Debby Leverett** just got a cast off her broken foot, but now has one on her arm! She fell down four stairs and broke the radius of her right arm; fingers are free but the cast goes past the elbow. Pray for quick healing so she can get back to work in the garden before the Garden Tour!

The January meeting was opened by Ron Fales announcing that the food table was opened, and everyone hurried into line. The weather was perfect and so was this absolutely perfect garden and koi pond. We could feel all was lovingly prepared for us by **Larry & Debby Leverett!** Thank you for your never ending hard work and care.

After we had our fill of good food and good conversation, the meeting began in Larry and Debby's garage. It was very comfortable with seating for all. Rob displayed a football, holding it high in the air, to remind all of us of what we were missing. It was the final Football Sunday before Super Bowl. Guests included Ken, who had just inherited a koi pond, and Sandy, Zuma's sister from Montana, where it was then 7° below zero!



Burt Ballou was introduced as our guest speaker. His topic was **How to Design a Koi Pond**. Burt enjoys three ponds in his own backyard; one is a converted 22,250-gallon swimming pool, and two smaller ponds. Not only does he maintain these three ponds of his own, he has built and helped to build at least 350 koi ponds and designed another 150 to 200 in his over 40 years of experience in both the USA and Japan.

Burt spoke directly to our human nature. *If something goes wrong, it will happen fast!*

He said we are basically lazy human beings who want beautiful things like ponds, koi as pets, and water gardens. We also want the maintenance to be as easy and care-free as possible! He explained how this basic state of humanness should play a definitive part in designing our koi ponds properly.

Okay, Burt; most of us have already built our ponds. What do we do to improve our existing ponds? Burt was generous with many, many isolated tips. He also distributed samples of two booklets he authored and published for the AKCA (Associated Koi Clubs of America) for our reference during the meeting. Larry said he strictly used Burt's guidelines in the booklet **the AKCA Guide to Pond Construction** to build his pond. The other booklet was the **AKCA Guide to Pre-Filters and Filters**. [See page 7 for more details from Burt's talk.]

Regarding Larry and Debby's Pond: Larry spoke about his own pond building experience. He included two bottom drains



in his design, then laid down rebar and topped it with stucco wire to prevent the cement from slipping down to the bottom of the pond floor during the pour. The cement pour and troweling happens fast: it started at 8:15am and finished at 12:15pm. There were ten people to help trowel and smooth the fresh cement; Larry had calculated one person for each three feet of pond circumference to help speed the process. He had piqued his neighbors' curiosity, so they helped too!

Cement cures fast, so the extra help was welcomed. What a great learning experience for everyone involved! The cement pumpers were the only professionals Larry used.



The pond was filled with water immediately to prevent any cracking, and then refilled before introducing any fish into the new pond. (Hint: check the water meter before you start the fill, and when you finish; that's the most accurate measure of your pond volume.) He said you can spray the

sides lightly with water as you are filling to slow drying and prevent cracking, and he filled it to overflowing. Then he chose two of his ugliest fish (*which are really hard to find in Larry's pond!*) and introduced them into the new pond. They went straight to the bottom and stayed there until the next morning, when they were found swimming around happily. A bit of wisdom: if something goes wrong it will happen fast! He followed Burt's booklet on Pond Construction strictly.

Larry and Debbie's pond and gardens are picture perfect! Look for them on the Riverside Garden Tour the weekend of April 16-17.

Everyone paid close attention to all Burt and Larry shared; they were a great team for teaching the ins and outs of a tricky process.

Jim & Tess Poyle recently completed construction on their pond, and said they wished Burt would have lectured before they started. Jim was happy for the added information and was joyfully celebrating his birthday with us! He also loved the Italian Florentine cookies that Norma made. [Recipe on page 9]

There were lots of questions and comments from members, and especially appreciation for Burt's time and shared knowledge. He was willing to talk anyone through the efficiency of their pond, just off the top of his head; he knows the engineering issues, the plumbing, etc., and stayed in the garage quite a while doing just that. Rob led the rest of us out for the drawing and announcements of the next meeting, reminders to get membership renewals in, and the need for meeting sites and possible pond tour sites.

Burt Ballou's parting notes were so complimentary! He feels IKS is the best, most enthusiastic club, and it's so full of good members. He said he cannot believe the turnout we have at each month's meetings.

Thank you, Burt; we love you too!!



Many thanks to Norm Marrin for reporting, and to Donise Lei for photos.



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A pond that takes care of itself, without daily maintenance is our goal. Here are some of the specific goals and elements for designing a carefree, forgiving, and easily maintained pond, as presented by Burt...

☞ **Regarding Koi Pond Pumps:** Debris should not collect on the bottom of the pond. Like a toilet, the bottom drain is the most important part of the pond. Burt has 6 bottom drains for his 22,250-gallon pond. Drains which lead to a pre-filter placed ahead of the pump are important because you don't want all the debris moving through your pump. Pumps are made for moving water. Swimming pool pumps are typically inefficient, while pond pumps are efficient, moving 70, 90, 100 gallons per minute, using only 2½ amps to lift 5-10 feet of water. **CAUTION:** Many filter and pump manufacturers inflate their capacity specifications by a factor of 2. Buyer beware!

☞ **Regarding Koi Pond Filters:** A filter with a vortex (spinning) design is good for gravity feeding debris into the pre-filter; Burt uses the vortex design on his large pond. The Bio-filter follows the pre-filter and takes care of removing the ammonia and nitrites from the water. A properly designed pre-filter and bio-filter can allow you to take an extended vacation with little worry for the safety of your beloved koi. Pressurized filters must be cleaned of debris every other day and therefore require more maintenance. There are many designs for both pre-filters and bio-filters; AKCA guides should be consulted.

☞ **Regarding the Structural Design of a Pond:** The structural design of a koi pond has many factors to consider. Select a site: it's nice to be able to enjoy the fish from the inside of the house, as at Larry and Debby's. Use a garden hose to outline the shape of the pond; look at it at all times of day and show your family and friends before digging; play with shape and placement. Burt does not recommend formal cinder block ponds: squared corners inside the pond may cut the fish and could make them sick; fill in straight inside corners with cement to round them off. Flat-bottomed ponds should also be avoided. Look at ponds that have been operating at least five years and listen to any complaints or successes the owners have. The ideal depth is 3-6 feet; more than 6 feet of depth makes the fish look very small. The ideal is a sloped bottom with ½" to 1" of slope per foot to move debris to the drain.

☞ **Regarding an Overflow Pipe:** Ponds need overflow protection with a 3- to 4-inch overflow pipe.

☞ **Regarding Waterfalls:** Waterfalls ideally face to the north; south-facing waterfalls will grow algae more readily. But you want winds coming from behind the waterfall. Place a pond and waterfall where it can be easily seen from a kitchen, dining area or living room.

☞ **Regarding the Drought:** Several members expressed concern over the amount of water needed to maintain our ponds. Burt explained that this water is considered "living water." The water changes are needed to support the life of our fish. *(This suggests that the pond is not a water use subject to the mandatory cutbacks.)* Several members recycle their pond water into their existing gardens, an excellent use of it.

☞ **Regarding Cement Ponds:** Burt's big pond is a converted swimming pool—it is cement. He recommended Red Label Cement Mix because it contains an *accelerant* additive which hardens the concrete faster, makes it waterproof and strong. This is sold in 6.5lb bags. For structural strength, 1/2" rebar is used, covered with chicken wire to hold up the cement. Cement is poured into the deepest part of the pond first. It has a grain and is always troweled upwards, always in the same direction; changing direction as you trowel many open the pores of the cement. Burt's main pond has 4" thick walls; thickness of pond walls depends on the depth of the pond, and page 13 of the construction booklet will help you determine the necessary thickness of your walls. The bottom is thicker than the walls, and the top edge of the pond should be thicker and strong enough to hold decorative additions (such as boulders) without cracking the concrete. The seam between concrete and natural rock should not be underwater as the rock will wick water out of the pond. The booklet also explains how to speed the process of leaching lime from new concrete.

☞ **Regarding Pond Salinity:** A calibrated salt meter is used to determine the salt content in your pond. Check the salinity several times for a comparative value. Remember you are measuring the salinity of all the water in your system, not just the number of gallons in the pond basin. *Spike Cover* has an easy way of calculating the total number of gallons in your pond system; please inquire for specifics of recommended salinity, the recommended number of pounds of salt to be added per gallon of water, and for Spike's method of calculating the number of gallons in your pond system.

*If your pond is not easy to maintain
— or very forgiving —
your koi and your interest in them won't last!*

☞ Members Thoughts:

Chrisie Nobles was happy to hear a U/V light is not absolutely necessary (*Burt made it clear that proper design and filtration can eliminate the need for UV*).

Bob Walters was interested in all that was said, especially the information on filtration which was very wise! Some things he accomplished differently in his pond. For Bob the important thing is that we all have the same solid principles and goals associated with pond building, and that we realize there are so many different ways to accomplish them, efficiently or inefficiently.

George Ramirez found Burt's comparison between Parallel and Series Filters very good. George compared it to electrical loads: with a series filter setup, the filters are lined up in sequence with the same water going through each; a Parallel filter has each filter receiving water which is divided among the filters. Like electricity, when an electrical load is divided into several circuits, there is less likelihood to be an overload and cause a fire. Parallel filters work very efficiently.

~Thank you to Norma Marrin for this report!

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Italian Florentine Cookies

Requested recipe from Norma Marrin ~ Yields 24-32 cookies

Ingredients:

8 oz. or 2 cups slivered almonds (without skins)	
¾ cup heavy cream	1 tsp vanilla extract
½ C granulated sugar	¼ tsp salt
4 Tbsp butter	¼ C orange marmalade
3 Tbsp flour	¼ tsp orange zest

Directions: This recipe needs constant attention

1. Position oven rack in center and preheat to 350°F. Prepare a cookie sheet lined with parchment paper.
2. In a food processor, grind almonds to consistency of coarse sand. Mix with the flour, salt and zest; set aside. In separate dish, mix the vanilla and marmalade; set aside.
3. In a saucepan, combine cream, sugar and butter. At medium heat, melt the ingredients and slowly bring to boil, stirring constantly with wooden spoon, for approximately 8 minutes. [*The goal is to drive most of the moisture out of the mixture.*] Watch for a ring around the sides of the saucepan to start changing color. The most important sign to look for is a nice distinct trail the wooden spoon leaves on the bottom of the pan as you drag it through the mixture; you should see the clean shiny bottom of your pan as a trail, and the mixture will close over the trail again right away. When you see that trail, it is time to remove the pan from the heat.
3. Add the almond-flour mix and vanilla-marmalade mix to the hot mixture; stir just to combine.
4. Drop 1 tablespoon of dough onto parchment paper (*Important: make only 6 cookies at time*), evenly spaced 3½" apart. Moisten your fingers with a tiny bit of water and pat the center of each cookie to flatten and form a perfect circle. The batter will spread while baking.
5. Bake cookies to a medium golden brown. * Remove from oven and place cookies, on the parchment paper, on a wire rack to cool. **Because oven temp controls vary, I didn't specify a baking time. The recipe said 15 minutes, but in my oven, 6 minutes may be too long. Watch them like a hawk as they bake*
6. Do not store in refrigerator; they will become soft and soggy. Eat within a day or two. Other recipes do specify storing in an air-tight container, carefully separated by parchment or waxed paper, for up to 3 days, separate from moist cookies. *But they won't last that long!*

Keeping the Pond Clean

by Carolyn Weise

The importance of keeping the pond clean, especially with koi, is something that cannot be stressed too much. The water should be "gin" clear. There should be no suspended particulate matter and the fish ought to look as if they are floating in air. The fish have to breathe and drink the water. To the extent the water is not clean, the fish will suffer. They literally have to live in their own toilet bowl.

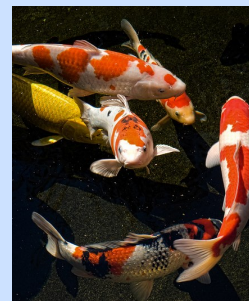
In nature, the ecology takes care of this for them. But our ponds are not natural, no matter how nicely we landscape and build around them. They are large in-ground fish tanks. They need a lot of filtration. Koi in particular, need excessive filtration. Much like a toilet bowl, the largest dirt settles to the bottom, so a bottom drain is imperative.

Koi may be the single-most dirt-producing fish kept in backyard ponds. In part this is due to our feeding regimen. In nature, they wouldn't be fed fifty pounds of food a week or even a month. But this is not abnormal in a pond with three to six feedings daily throughout the summer months.

An important part of the Koi-Owner relationship is the feeding. We look forward to feeding almost as much as (*or more than?*) the fish. We love to see their open expectant mouths waiting for us at the edge of the pond. We enjoy hand-feeding. We like to get the close-up view that feeding time affords us. We like to make them grow fast...and large. So, we push the high protein foods. In many cases, we push it right through the fish — in one end and out the other. In effect, we feed the pond! And in turn, we contribute our part in fouling the water.

It doesn't really matter whether the fish or the owner fouls the water; the important thing is to clean it up — for the fish's health. A stressed fish is at risk of disease. High filtration will pay handsomely. Waterfalls, streams, venturi jets, bubblers, bubble bead filters, mechanical and biological filters, vegetable filters, are all aimed at one thing — fish health. More is better in this case.

Start at the bottom and work up. Bottom drain, water changes to eliminate phosphate build-up, and lots of water movement in the pond will keep the water clean. Less food, less fish, or more water are all ways to improve quality. Upgrade filtration or add microbial bacteria to boost the cleaning and break down any matter in the pond. You are the only help your fish have to living a good life. Give them clean water!



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



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

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AKCA ANNUAL MEETING

ZNA Koi Shows ~ SoCal & NorCal

June 18th & 19th 2016

THE PEOPLE OF
IOWA
WELCOME YOU



Fields of Opportunities

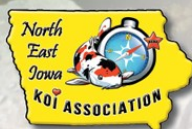
"Experience life and the
people who reside between
the two great rivers
that frame our state."

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



North East Iowa Koi Association
will host AKCA in June...

This is an Iowa pond in December 2015.
(Claude & Dianne Head's pond)

I believe the koi are indoors in a blue vat!

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

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
ulysses96@hotmail.com

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



ZnaNorcal.info



Koi Club of San Diego
Presents its
29th Annual Koi Show
March 5th & 6th, 2016
Del Mar Fairgrounds
Activity Center

Fish Check-in
Friday: 2pm-8pm
Exhibit Hours
Saturday: 9am-4pm / Sunday: 9am-3pm

Judging Starts @ 9am Saturday
Awards Banquet:
Saturday @ 5pm
in the Activity Center
Menu: Brazilian Steakhouse BBQ

Proud Member 

Show Chair: Bob Adler—show@koiesd.org
Vendor Chair: Greg Ruth—vendor@koiesd.org
ADMISSION IS FREE
Come see Hundreds of Beautiful Koi Competing!
Koi, Pond Equipment, Pond Plants, Koi Artwork for Sale
koiclubofsandiego.org

Major Show Sponsors:    
AQUATIC ECO-SYSTEMS™

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



FOR MORE INFO GO TO: RiversideFlowerShow.info
OR CALL 951-850-8277

*It's Free
to visit our
Garden Fair!*
• Jewelry
• Handcrafts
• Plants
• Garden Art
• Food

FEB	12-21	70 th Riverside County Fair & National Date Festival ~ 82-503 Hwy 111, Indio 92201 ~ All concerts are included with Fair admission; first-come, first seated. www.datefest.org/ Info: 800.811.FAIR
	26	8th Annual Chocolate Decadence ~ Pechanga Grand Ballroom, 7-10pm. General admission \$55; Designated Driver \$30. Info at www.pechanga.com/
	28	IKS POTLUCK Meeting ~ 2-5pm ~ hosted by Armand & Eve Blais, 26723 Manchester Dr., Menifee 92586. 714.717.2470
	3/2	IKS BUSINESS Meeting ~ 7pm ~ All members welcome! Meet at 6531 Box Springs Blvd., Riverside 92507
MARCH	3-4	KCSD Show Set-up ~ Thursday 9am @ storage, 11am @ Fairgrounds; Friday 8am set-up; 2-8pm Koi; 4-8pm Vendors
	5-6	29th Annual KCSD Koi Show ~ Activity Center at Del Mar Fairgrounds ~ Saturday 9am-4pm; 6pm Awards Banquet. Sunday 9am-3pm. Free admission.
	13	Daylight Savings Time! "Spring ahead" one hour!
	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 in Fountain Valley. One week EARLY! We're planning visits to two great ponds in Fountain Valley before the meeting, noon to 2pm. More info coming!
	23	IKS BUSINESS Meeting ~ 7pm ~ All members welcome! Meet at 6531 Box Springs Blvd., Riverside 92507
APRIL	27	Easter Sunday ~ have a blessed day!
	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
	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
	24	IKS POTLUCK Meeting ~ 2-5pm ~ Host TBA
	27	IKS BUSINESS Meeting ~ 7pm ~ All members welcome! Meet at 6531 Box Springs Blvd., Riverside 92507

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



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



Visit our website: www.inlandkoisociety.org