



**JEAN JAHR,
PRESIDENT**

**BOB HAUGLAND,
EDITOR**

**PAULINE SAKAI,
PHOTOS**



Pond Spawn Update...starts on p. 3



**Duane & Melody Carlson,
Janet & Jose Delgadillo**



**Sandy Mascadri,
Secretary**

New Officers & Old Friends



There's More Inside:

There are still some dates open to host a meeting at your pond. See the Calendar on page 5

The January 25 meeting is at Sam's Pond in Roseville, and the Chili Contest is also at that time. Start cookin'! See page 3

Christmas Party & White Elephant Gift Exchange

This year's party was at Thunder Valley Casino in Lincoln. The buffet was excellent, with a wide variety of really good food. John Gillespie (right) has already cleaned his plate and is contemplating dessert. I dunno what Doug is doing.

After we ate we took a few minutes and installed the 2015 Officers. (photo page 6)



Jerry Kyle got the ball rolling on the White Elephant Schitck. As expected, there were some coveted gifts and a few turkeys as well. Folks brought so many that we had to give some away as door prizes.

Some folks tried to get a quick sneak peek. It didn't help. (bottom, left)



Lilly & Pauline

January 25 Meeting

This month we visit the pond of Kami & Sam Niebank. 4018 Wakehurst Ct., Roseville, 95747. Bring your camera and a folding chair. You can sit in on the Board Meeting at noon if you like. The General Meeting starts at 1 pm. Concurrently we'll also have the:

Chili Contest! The rules are simple. Winners and losers will be chosen via ballot. Cook up a crock pot of chili and bring it, and your ladel, to the meeting...or maybe you'd rather bring something else, salad, dessert, Beano, corn bread, chili toppings etc. Everyone will have an opportunity to sample every entry and vote for their favorite, their worst, their most colorful, or whatever else is on the ballot. Chili's will not only be judged for taste, but presentation as well. Some pretty cheesy awards are up for grabs. Give your chili a name, dress up it's crock pot, whatever. Also provide at least 10 printed copies of the recipe, including your "secret ingredient". Pauline & I dreamed this up as a GLUTEN FREE alternative to spaghetti, so if your chili isn't GLUTEN FREE, please clearly label it as such.

The Business at Hand While everyone is sampling the chili, we'll be discussing the plans for our 2015 season. Most of you are aware of the AKCA Business Meeting we're hosting in June. Also notice on the Calendar for March is a Grow Out Contest, come to find out what the heck that's all about. We're also attempting to get some pretty nifty speakers lined up for some of our meetings. Especially important, we're still looking for a site to hold a Koi Show in Sept. or Oct. Some ideas were to approach Green Acres Nursery and Maple Rock. We'd like to collect some more suggestions from you. It should be a place with water and power and able to hold about 30 500 gallon tanks.

Here's your link for a google map

<https://www.google.com/maps/place/4018+Wakehurst+Ct,+Roseville,+CA+95747/@38.744143,-121.356314,17z/data=!3m1!4b1!4m2!3m1!1s0x809b26d4834b1e5d:0xb1286f6168887e52>

Some Reminders... Still missing a couple of the shepherd's hooks that we loaned out for the Pond Tour. If you know of the whereabouts, contact Bob.

UC Davis wants your dead fish. If you've had this misfortune please freeze the body and contact Bob or Mike Tsuchida to arrange transport to UCD.

Treasurers' Report, Georgia Vonk

Beginning Balance \$7230.69

Expenses 531.65 \$95.03 koi food prize giveaway, \$398.43, Balance owed Buffet, \$35.85 Yahoo website, \$2.34 paypal fees

Income 530.00 Memberships and Buffet

Ending Balance \$7229.04

Because there was no "Meeting" in December, there are no minutes.

Pond Spawn Experiment, by Bob Haugland

By special request, and I won't reveal who, here is the 8 month update on my pond spawn of May 23, 2014. The last time I reported on this project was July, when I described the Mayfly and Dragonfly eggs that came into the fry tank with the eggs. Prior to that was the June issue when the fry were 5/8" at most. Of the 150 fry that hatched there are only about 60 left. Somewhere around age 2-3 months there was a pretty regular mortality rate of about one fry per day. I'm sure that in a commercial tank full of 30,000 fry, that would be hardly noticed, but it kind of freaked me out. Eventually it stopped, but I must admit that deaths still occurred. I killed more than a few with poor filter inlets and other poor choices. I also had to "cull" a few fish but, for the most part I'm keeping even the culls as part of the experiment.

(More...page 4)

(pond spawn, cont.)

The mom was a Ginrin Kohaku, one dad was a Sanke, and the other dad was the Benegoi that won size 4 at our Young Koi Show in 2013. That Benegoi came from a dealer's tank that had 6 other Benegoi, all Ginrin so I assume that Willie (not Ginrin) had some of his brother's Ginrin genes. From these parents I have fry that are Kohaku, Sanke, Aka Bekko, Shiro Bekko, Benegoi, Soragoi, Ochiba, Tancho, and some all white ones. Probably more than half of them are Ginrin.

The colors don't develop until 2-3 weeks, and then it's only the black that begins to show. It starts as a tiny asterisk of black and then spreads over time. At 3-5 weeks the generic beige color starts to change and some are turning white and others are yellowing overall. At 6 weeks some of the yellow ones are starting to get Kohaku type patterns on them. It frequently starts as a Tancho style spot on the head and spreads from there. Just when you think you have it figured out, they change again. At 12 weeks some of the Benegoi started to form patterns, making them Kohaku. The black also changes. They will get darker, more intense, or lighter, breaking up a little, and the black spots move around. At 3 1/2 months it's a lot easier to see the Ginrin patterns. Currently at 8 months almost all of the yellow color is starting to change into red. When viewed through the aquarium glass the colors are weak. The colors are twice as strong when viewed from the top.

By far the most frustrating thing is that there are so many different growing rates. About 40 fish are in the aquarium in the house and 25 are outside in the 100 gallon quarantine tank that Georgia gave me. Georgia's generosity has earned her "pick of the litter", if she so choses. In the summer the growth rate was a little better in the Q tank than it was in the aquarium. That may be because as the fry grew, I transferred the bigger ones outside. None the less, some of the 2" fish I put



outside are still 2" fish! Five or six are about 4" and the rest are all sizes.

In the photo at left you can see that the 3 fish at the bottom have very plump bellies. The Shirro Bekko and the Tancho Sanke bellies are almost pinched. Yet these fish are the same length.



When the cold weather started, I began another experiment to see which tank would produce bigger or better fish by next spring. I transferred Toby and one other large fish to the heated aquarium and allowed the boys in the Q tank to experience a Sacramento winter. The Toby is the first of the fry to grow big enough to cannibalize his siblings. He was the first to go outside into the Q tank. He was built like a helicopter for about 4 months and then, just like that, he became koi shaped. In six weeks he

has grown from 4" to over 5". Yet some of the 8 month old fish in the aquarium are only the size of female guppies.



At left are the aquarium fish as viewed from above. Notice the color difference. Above is the 5" Toby with his 4" Q tank buddy. The other fish are all about 2". More...page 5

From page 4...

Some of the things I'm trying to find out here are "How much of a hassle can it be"? Answer: A lot! "Will the little ones grow to be full size?" "Will some of the ugly ones get pretty and will some of the pretty ones get ugly?" "Will the ones that were late to develop colors be as colorful as the early developers?" "Will the ones outside be any better than the indoor tank raised fish?"

Then there's the attachment that happens when you invest all of this time and money. All of the photos you've seen here are accidents. These little buggers swim around so fast that you can't get a good shot of what you really want. Like the cover photo. When I opened that I thought "How cute!", non-fish people don't feel the same way. Maybe you didn't react that way. (You don't have 8 months invested.)

At the right is the best photo I could get of my favorite. I call him the Phantom of the Opera because that spot on his head covers his left eye and goes over the top of his head but doesn't cover the right eye. Alas, the spot is changing a little and he may not retain it. He also has a goofy lower lip and is probably a cull. I want to see what happens.



2015 CKC Calendar

January 25 meeting	.....Plans for the New Year & Chili Contest.....	.....Sam & Kami Niebank
February 22	.....Dr. Grossett, UCD.....	.....Mike & Molly Tsuchida's New Hi Tech Pond
March 22	.....Grow Out Contest.....	.....Select Koi, Elk Grove
April 26	.....Speaker TBD (Hopefully Grant Fujita).....	.....Jack & Julie Lokhoff, Pittsburg, CA
May 31	.....Speaker: Anthony Quintero.....	.....Mike & Molly's New Pond
June 20-21, 2015	AKCA Business Meeting	Camellia Koi Club as Host
July 26	.....Speaker TBD.....	.....Rick Bumpass, Meadow Vista
August 23, 2015	.....Koi Auction & Ice Cream Social.....	.....Melody & Duane's
September 27	.....Tentative CKC Koi Show?	Need a site!!
October 25	.....open	
November 22	.....Spaghetti Contest.....	.....Jerry & Phyliss Kyle/Jack & Barbara Flockhart
December 6	Party	Thunder Valley Casino, Lincoln?

Suggestions for additional topics, speakers, and activities should be directed to our Vice President, Mike Tsuchida.



2015 Camellia Koi Club Officers

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