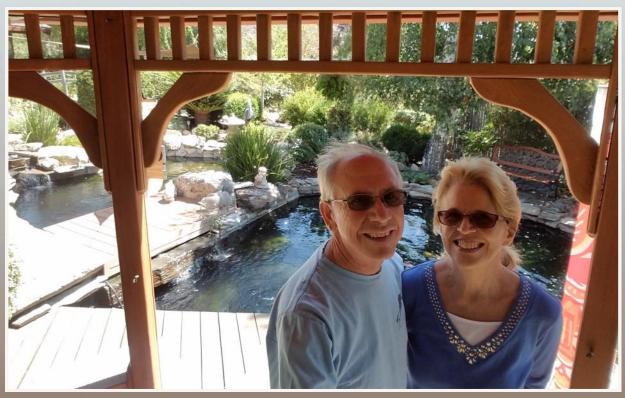
## The Inland Son



THE OFFICIAL
NEWSLETTER
OF IKS
ISSUE 236
SEPTEMBER



Sunday, 25 September
Pot Luck Meeting
3:00 - 6:00 pm
Hosted by Steve & Laura Nyirady

38431 Acorn Way Yucaipa 92399 909.790.7607





#### AROUND THE OVAL POND

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.

**The August 31** meeting was a rare dinner meeting held at Don Jose's in Riverside. We discussed:

- A good turnout on July 27 at the Milfelds' with 46, and a long discussion on controlling algae with our experts. Skipping August for want of a host made for a little more relaxing month, although not everyone seemed to get the email notification of the cancellation or check the website.
- *Confirmed* meeting plans for September 25 at the Nyirady's in Yucaipa, with Eric Triplett introducing the Helix pond skimmer. George & Juli Ramirez of Claremont will host October 23, and Spike Cover will be asked to address winterizing the pond. Will be checking to see if the Malls in Temecula will host Thanksgiving again on November 20. Dark in December.
- *Newsletter:* we are ordering 70 copies each month. There was none in August.
- Blue Cut Fire Koi Rescue: August 21, Kushners and Fales even carried their own water to Jungle Exotics in Devore to empty a 100,000-gallon reservoir pond of about 200 koi. Air tankers had used all but the last 15" of water to fight the wildfires. Mostly small, but a second tank will definitely be needed in anticipation of a Koi Auction in June. Ed will bring small koi for the Raffle table in future months. Both Ultra Balance and Nijikawa USA are supplying food for the rescue efforts.
- Member Renewal: Pleased to see Teresa Driver, Alan Pollock and Mariano Palpallatoc renew this summer; better late than not. We have had eight new members this year, and several old-timers returned to membership.
- *Kimberly Crest*: The Brubakers, former members, donated six healthy, stunning 30" koi to the 10,000-gallon pond at Kimberly Crest in Redlands; Jack Marrin pulled and transported them to their new home.
- *Next Board meeting* will be Wed., Sept. 28 at the Fales' home; 7pm for a spaghetti dinner.

Peggy Milfeld, Secretary ¬\ ('.') /¬



#### Officers, Directors and Help-Line

#### **BOARD OF DIRECTORS**

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<u>Vice President</u>: **Rob Fales** ~ *Mtg Sites & Speakers* (951) 279-0181 ~ Rob\_fales@inlandkoisociety.org

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(951) 780-7395 ~ NickMilfeld@inlandkoisociety.org

<u>Newsletter Editor (Interim)</u>: **Peggy Milfeld** 

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<u>Director</u>: **Deanna Fales** ~ Raffles

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<u>Director</u>: **Ed Kushner** ~ *Koi Rescue* 

(951) 520-0092 ~ edkushner@inlandkoisociety.org

<u>Director</u>: Larry Leverett ~

(951) 781-3887 ~ LarryLeverett@inlandkoisociety.org

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(909) 792-3603 ~ jack@marrin.com

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<u>Director</u>: Tom Ross ~

(951) 354-6444 ~ tomzuma@att.net

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(951) 990-5479 ~ TomWright@inlandkoisociety.org

#### IKS HELP LINE

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

AKCA Representative ~ Mac McClain (951) 398-7048

Librarian: Books & Videos listed on IKS web-site

**Audrey Rowland** ~ (951) 233-3671

Database: Orville Hanson  $\sim$  (951) 682-3107

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

<u>Badges</u>: **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.

#### SEPTEMBER HOST PROFILE

#### Steve & Laura Nyirady, Yucaipa

Has it really been three years since we visited Steve & Laura Nyirady in Yucaipa? They have graciously opened their home to us again for the September meeting and, because we are still in the throes of Summer and the thermometer will likely spike yet again, we will maintain the Summer schedule by meeting at 3:00 to 6:00 pm to avoid the mid-day heat.

Let's meet Steve & Laura. Laura was born in China to missionary parents and grew up with two languages. As an adult, she came to



America for college and met Steve. Both finished their schooling, she with an MS in nursing, he with a PhD in microbiology; then, as a team, they traveled and taught, serving stateside in Massachusetts and Tennessee, and further afield in Hong Kong and the Philippines. In Tennessee, they enjoyed teaching an *Intro to Tropical Marine Biology* class, which involved two weeks on campus and a week of diving with their students. Diving is a shared passion that pairs wonderfully with classes in *Tropical Ecology*, which

Steve & Laura have also taught in the Bahamas, Grand Cayman, Belize and Indonesia, allowing them to dive in the best of places.

J remember the first time the Nyiradys visited an IKS meeting, in August 2004. Newly moved from Tennessee to take an offered job and to be closer to two sons in the area, they had bought a house in Yucaipa with an unfinished pool full of several years of debris and rain scum, but they envisioned gardens and a pond.... They wanted to learn more before they began the project, so they joined. But by 2006 they were gone—very busy building the dream—and then returned several years later, as finished with their pond as they ever will be. They both retired in 2012 and have been enjoying their various passions ever since.

In fact, they just spent a month in Southeast Asia with another couple, the ladies team teaching a graduate nursing course for two weeks in Thailand. Another week was spent coral wall diving around Bunaken Island off Manado in Indonesia (the other gent, being a marine biologist in the graduate program at Loma Linda University, was a perfect fit). Bunaken has some of the greatest diving in the world, a habitat to 390 species of coral, and has a mean sea temp of 82° F ('temperate' water is 60-75°). A distinct feature of the area is an 82'-160' vertical coral wall which

is inhabited by 13 coral genus, plus about 90 fish species and abundant seaweeds and seagrasses—a tropical diver's paradise! **Back to the pand...** The new Yucaipa yard disappeared at their hands, giving way to fruit trees and a kitchen garden, which satisfy their vegetarian preferences with fruits of their own labor. The pool, too, disappeared, becoming two ponds and a stream with bridges, low waterfalls, flagstone and gravel paths, wooden decks and a lovely gazebo, all set in a carefully planted landscape that shows no signs at present of drought or this summer's heat. (*Photos from last week!*) The ponds have EPDM rubber liners and are about 2-4½ feet deep. The stonework concealing the liner above the water line was beautifully done, and the Nexus drains are plumbed so they can

steve seemed to have a great filtration system last time we visited, but he is having troubles now. His 'pond' is three separate systems that look like one. To help with aeration, he added aerators to each of the ponds and a shade sail over the smaller to reduce sunlight:

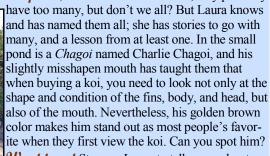
- The 4000-gallon main pond has a Laguna 5000 PowerFlo Skimmer-filter with a bottom drain that goes to a Cetus II gravity-fed sieve feeding a Nexus 200 filter and a 110w Evolution Aqua UV unit; a 1/4-hp Sequence pump powers this system.
- The 2700-gallon smaller pond has a Savio Compact Skimmerfilter and a 16w UV light; the bottom drain gravity feeds a second Cetus II and Nexus 200, returning water through a 40w Emperor Aquatics UV unit. The pump is an 1/8-hp Reeflo 2400.
- The 45' stream isn't filtered but has a drain/recirculation system.



At this time, Steve is disappointed that he may not have a new filter system installed before we arrive. He wanted to replace the Cetus/Nexus filters on the large pond with a ProfiDrum CombiBio "all-in-one" rotary drum filtration unit. Made in and shipped from Netherlands, the unit arrived at BridgeWay Koi, the US distributor, damaged, with the core broken. It's just a delay, but....

Why the change? Cetus sieves remove a large part of suspended solids; however, their sieve pore size is only 300 micrometers, and that allows a fair amount of the smaller particles through. Steve has added a filter pad to the outflow from each Nexus to collect more algae and fine debris, but during the summer he ends up cleaning the filter pad for the large pond every day! The Profi-Drum has a 70 micrometer pore size that will filter out a lot more solids and hopefully will reduce the need for daily cleaning.

**Enough about the pand**; how about the koi? Well, they probably



Want to get Steve or Laura to talk more about themselves during the Pond Talk? Asking about

problems or past experiences is a great way to engage someone in sharing and usually yields some great stories, so I offer up a few links to get them started: We discussed *algae* at the last meeting, and Steve has some interesting experiences to share about that. Dennis Lynaugh successfully tapped a natural stream to fill his pond and create a waterfall, but in Tennessee, Steve tried to *modify* a stream to make a natural pond; wonder how that turned out...? Then, when moving to California, they air-freighted 15 koi to the new home; have you ever thought of moving so far with your koi and wondered what all is involved?

~Continued on page 4

#### NYIRADY PROFILE, continued

#### Welcome to Our Newest Members

# 38431 Acorn Way X Edward Dean Museum 10 Fwy Beaumont N N N N MAP NOT TO SCALE

#### **DIRECTIONS:**

- ●EXIT FWY 10 at BEAUMONT AVE in Beaumont.
- •Go <u>NORTH</u> through the town of Cherry Valley, staying on Beaumont Avenue.
- BEAUMONT AVE TURNS INTO OAK GLEN RD as you go along.

  Shortly after, watch for museum sign on the right hand side of the road, but continue going past the Edward Dean Museum for about 2 1/2 miles. Watch for our signs, too.
- ●Turn left onto ACORN WAY. First house on the left is Steve & Laura Nyirady. Please park on adjoining streets and walk on the **right side** of the driveway, through the black iron gates.

38431 Acorn Way Yucaipa, CA 92399

*Our guest speaker* this month will be Eric Triplett, of The Pond Digger Inc. headquartered in Yucaipa. His public showroom (*Monday-thru-Saturday*, *9am-5pm*; www.theponddigger.com) has many display ponds and a huge inventory of pond equipment and construction supplies. Eric will introduce us to the Helix pond skimmer, a fish-friendly, compact unit for use with submersible or external pumps.

**Note**: Remember that we're on Summer time, 3-6pm, but that won't change our potluck. Bring your potluck items and chairs, and we'll see you in Yucaipa!



#### CONGRATULATIONS TO CARRIE FALES SCHOLARSHIP RECIPIENT

Ed Kushner and Tom Wright served as the Scholarship Committee this year and were pleased to report that they had selected *Carrie Fales* to receive the

2016 scholarship. The \$500 award will help with the cost of textbooks as she continues her third year of studies in Animal Science at UC Davis. Keep up the good work!



#### WELCOME TO OUR NEWEST & RETURNING 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!



**05/4/16:** Monique Pegg & Suzanne Martin 5002 Rockledge Dr. ~ (951) 784-1906 Riverside 92506 boubala@sbcglobal.net



**05/4/16: Jacob & Maryam Haiavy** [new] 2058 N. Mills, #148 ~ (310) 621-0060 Claremont 91711 mhaiavy@yahoo.com



**06/22/16: Eric Huizar** 212 Creighton Circle ~ Claremont 91711



**06/13: John & Kelly Walburg** 2293 Kemper Ave ~ (909) 398-1414 Claremont 91711



**06/13: Mark Corser** 3851 Ashwood Circle ~ (951) 741-0389 cell Corona 92881



**05/11:** Wes & Susan McCracken 6371 Mykonos Lane ~ (951) 897-7551 cell Riverside 92506-4752 wesmcc7782@hotmail.com



**06/26:** Mariano & Cathy Palpallotoc 16554 Sagebrush St. ~ (909) 720-5311 Chino Hills 91709



**06/26: Alan Pollock**P.O.BOX 491 ~ (760) 564-1670
La Quinta 92247-0491
ARPOLLOCK1@verizon.net

Write these folks into your Directory and seek them out at meetings.

Make them welcome; more than members, make them friends!

#### JULY 24 MEETING NOTES

#### Hosted by Nick & Peggy Milfeld

**The general meeting** was held at **Nick & Peggy Milfeld**'s home and gardens in Riverside, starting at 3pm instead of 2pm to miss a little of the midday heat.

**Nick once said** he wanted to bring an authentic mountain forest into his backyard, and he has accomplished this many times over. Sunday's meeting brought 46 of us into a perfect cooling mountain-side oasis. He continues to share this peaceful retreat with countless charities, their church, clubs and especially friends. These two people with enormous hearts have inspired many! The covered patio with new misters and plenty of cushioned seating was extremely comfortable and welcoming!

Our enormous potluck lunch included lots of chocolate treats, and we lingered over it until after 4:00, just enjoying each other's company. [Peggy brought the leftover chocolate brownies to the following Wednesday's Board meeting.] Thank you to all who share a bit of themselves with their favorite culinary creations at our potlucks! Recipes are always welcome....

**Rob** welcamed our guests for the day. We've found that many of our guests have established ponds of their own and are open to guidance from the club. As prearranged with **Bob Henry**, Jack Marrin's son brought their family's pet turtle to the meeting so Bob's turtle club can find a good adoptive home for him.

**Rob wanted** to get the meeting going with a funny joke about a game warden, his trained pet fish, and his whistle. We almost believed a fish <u>can</u> be trained. Rob promises a joke every month.

With much enthusiasm, Nick & Peggy were introduced. Nick sincerely welcomed and thanked everyone for coming out in the heat wave. He explained that the backyard is 10 degrees cooler than the front yard. When they bought this property 28 years ago, the backyard was all dirt, graded on a 2:1 slope so steep you could not walk up it. It took 32 loads of new dirt to complete the terracing and the garden areas, and then they dug the pool and pond and added that soil to the rest. The 12,000-gallon pond has an island, low walls and water returns that circulate the water from one side of the pond to the other. This design allowed for easy cleaning.

**Nick described** the evolution of his pond filters, then let his comments revolve around many posed questions. He started with a sand filter that immediately clogged, and a 1½ hp pump which was very expensive to run. Now the 9' x 3' x 5' deep sand/gravel filter has two ¼ hp pumps; each circulates water at 35-45gpm. With the two filter systems, he has crystal clear water.

**He related** the story of the eight little mallard duck eggs he found as he was cleaning up the island. This is a touching story; please ask Nick and Peggy about it for details.

**No, this is <u>not</u>** a low-maintenance garden or pond, since the needles drop all year long from the 25-year-old pines. The pond requires a lot of vacuuming; the yard, weekly raking. The Span-

ish moss multiples like crazy and Nick said it was free for the taking (*Thank you! Bags of it were taken*). They moved a total of 6-8 koi from their previous home and pond. Some are still alive, including one that is now 35 years old. Their new pond took two years to complete, and the authentic-looking rock formations surrounding the pond are cement; in fact, anything touching the water was created of cement. The original French grey (*black*) surface of Nick and Peggy's pool was etched away by the chemicals in their city water. Nick made a good suggestion: There is such a difference between chloramines and chlorine in water that it's wise to double check your city's water quality reports or check with the city directly about which is used; it is important for your koi pond as well as for a pool. In fact, Nick lost half the fish in his first pond after a partial water change: he didn't know the city had changed from chlorine to chloramine treatments.

**There were several** announcements and bits of business to attend to: • **Scott Zehm** offered <u>free</u> Bio Ball filter media from a source who wants to be rid of it; see Scott. • An October bus trip to Barstow, per Rob, is tentative but may be cancelled because

There is no commitment from our potential hosts,
Barstow Koi Farm; they are usually quite busy with the
delivery of new Koi from Japan during this time of the
year. There is no host for the August General Meeting
and no one volunteered, so all agreed to cancel in August. The Board will still meet Wednesday, August 31,
the location to be announced. Regarding koi rescue,
Ed Kushner asked for a volunteer caretaker to set up
another tank to help handle the overflow of rescued
fish. See Ed if you have space and are willing to maintain an above-ground pool until the 2017 Koi Auction
on June 3.

After his AKCA reports, Mac McClain congratulated Rob, Deanna and Eric Fales for all their hard work, then presented them with a framed AKCA Koi Person of the Year Certificate. He explained, the certificates were delayed this year due to the illness of the one who makes them. And for the first time, anyone could vote on line at akca.org for Koi of the Year.

Cur Panel of Experts included Spike Cover (K.O.I. director), Orville Hansen (IKS filtration expert), Jack Marrin (charter member of IKS), and Scott Zehm (2 Koi Guys). Donise Lei threw out the first query, asking if you need different strategies to deal with different types of algae. That led to an extended discussion, better covered on page 9.

We closed off the meeting with more desserts, the fun of the raffle, and a gradual packing up and heading home, full and happy.

~Respectfully Submitted, Norma Marrin, IKS Secretary



Jack Marrin ~ Spike Cover ~ Scott Zehm ~ Orville Hanson

Our Pond Experts

For a week this August, beginning on Tuesday, August 16, it was difficult to see any news coverage that wasn't related to the

Blue Cut Fire in the local Cajon Pass. Many of us travel to points north on that stretch of I-15 and so we watched familiar roadside landmarks as well as over 100 homes burn down, despite the best efforts of firefighters from all over the state.



#### So, what does all of this have to do with koi?

The rural community of Lytle Creek, just south of the *Blue Cut Fire*, was evacuated because of the dangerous conditions. In that community is a business called **Jungle Exotics** that supplies and trains animals for movie and TV productions. They and all the animals had to be evacuated from the 90-acre property to various safe locations in the greater community.





Two views of the 100,000-gallon pond — before....

Ed Kushner, our Koi Rescue director, received the call on Sunday, August 21 from Cris Rankin, an animal trainer from Phoenix who was assisting the owners of Jungle Exotics to move and help care for the animals. She had learned about our rescue program from AKCA's Don Chandler, as she had worked with a Phoenix-area koi club to provide koi for the 2011 Will Ferrell film, *Everything Must Go*. She needed our help to rescue koi that were in what was once a 100,000-gallon reservoir on the property. Water-dropping helicopters had been drawing water from the pond and had

drained it from being about 1/3 full to about 15" of water on the bottom, leaving many of the larger koi fish to die from lack of aeration and oxygen. Cris asked if we could come that afternoon as she was concerned the remaining koi would die soon.

Ed called me around noon, and Deanna, Eric and I agreed to help. We loaded a trash can and tubs full of fresh water as we had been told the power was out from all the burned power poles and they were on a well system. We also brought the gaspowered pump the club recently purchased from Nick Milfeld. Armed with everything we thought we would need, we met Cris and another volunteer, Therese Clinton, near the San Manuel Amphitheatre in the Glen Helen area and followed them up the

canyon through the "back way." This was five miles of dirt roads, going around "road closed" blockades, through a



streambed with a foot of water in it, and several railroad crossings. Part of the time we were using the railroad right-ofway as a road, and we crossed over red stripes of fire retardant in burned areas several times.

We finally reached the deserted Jungle Exotics compound at 4:30 and quickly realized, when we saw the pond for the first time, that we may be overmatched. We were a team of nine — Ed and Linda; Deanna, Eric and me; Cris Rankin, Therese Clinton, and Christine and Sydney Bristol (Temecula residents and future IKS members) — with a lot of work to do in the waning hours of the day. To give you an idea of the challenge, let me

describe the pond: it measured about 30' x 40' with steep concrete walls about 8' high. The bottom was mud mixed with green, murky water and we couldn't see many fish.

Eric started the trash pump with his feet in the green water, but found that the hoses we had would not extend up the sides and over the edge to an area where we could drain the water. I scrounged for fittings and found a length of 2" flexible pipe we could use, but Cris, the volunteer, would need to hold the fittings together by hand. After an hour of pumping, we had only dropped the water level three or four inches.





**In the meantime**, Ed stripped off his shoes and socks and bravely stepped into the water to start netting fish. The koi must

have known this was their chance, as it seemed he was netting a lot of them quickly. He handed them up the side where Linda, Christine and Sydney captured them in sock nets and placed them in the tubs of clean



#### 200 Koi Rescued, Saved



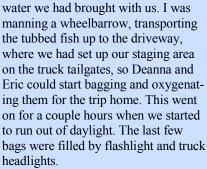


and Sydney relieved us of one bag of about 25 koi. Look for these fish at upcoming raffles; they will need the good homes that IKS members can provide. As an added bonus, the owners of Jungle Exotics were very appreciative of our efforts and promised to provide the club a tour of their facility once they get their

animals back in place and are running normally again.

the power to return until later in the week, so they would have no way of refilling the pond. Christine

~ Submitted by Rob Fales











Only the longest-time members of IKS will remember that we had good relations with Jungle Exotics in years gone by. We had been invited by owner Joe Camp to visit and hold meetings there in the past. It is sad to see such destruction in the area, although it is certainly not the first time wildfires have raged through the Cajon Pass. Because of the normal late-Summer dryness, it is always a threatened area; the wind-tunnel effect created by the topography increases the dangers.

As we were cleaning up, we were met by a crew of firefighters who would camp out nearby to watch for flare-ups during the night. They were quite impressed with our rescue efforts, but no doubt glad to see us leave in case the fire started up again. Single file in our trucks, caravan-style so no one would get lost, we traversed the dark roads until we finally reached the I-15 freeway and returned to civilization.

**Deanna and I made a quick stop** to get food for everyone at an In-N-Out on the way back to Ed and Linda's home. By the time the koi were put into the quarantine tank and we had eaten our late dinner, it was 10:30PM.

We were all tired and dirty, but felt pretty good about the results of our afternoon's work. We counted seven bags of koi containing 25-30 fish each, obviously on the smaller side (2-8 inches, with about 40 in the over-6" range. We estimated we rescued nearly 200 fish that evening, which likely would have been dead within a day or two. The property owners had been told not to expect

**Jungle Exotics** 16215 Cajon Blvd., San Bernardino CA 92407





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#### Q&A: MANAGING ALGAE

Central California Koi Show

**Interesting** how one question can lead to such a long discussion. And to so many varying answers. When **Donise Lei** asked, "Do you need different strategies for different types of algae?" I don't think she expected the mass of information she received. Each 'expert' offered a different approach to dealing with the algae problem, but all seemed to be attacking the obnoxious *string algae* that is so unsightly in our ponds.

**Scott** opened with straightforward basics: For green algae, you typically use UV, but need to regulate the flow rate. String Algae is typically attacked with Algaefix—being careful not to overdose—rock salt, or salt (which is also easy to overdose), but you probably can't re-use salted water in your landscape. Different approaches to filtration can also help.

**Jack** stated that there is a variable of time where, after years, the algae in your pond stabilizes itself without additives. Over 20 years, his doesn't seem to grow any more and his UV lights aren't used. His ponds have matured beyond the problem.

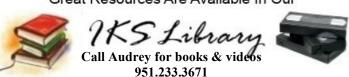
Orville specified that hair algae is seen usually in Spring and Fall, normally starting on the waterfall with a high flow area. He added that an open gravity-flow system develops more alga that a closed, pressurized unit. As for the waterfall, if it's easily accessible, you can attack with 3% hydrogen peroxide: turn the waterfall off and let it drain and dry out a bit, then spray the hydrogen peroxide on it and let it sit for 15 to 50 minutes to kill the algae, turning it white. It's difficult to over treat with the peroxide and it increases oxygen. [When Nick does this, he also scrapes the dead algae off the smooth trace of the waterfall.]

**Spike** opts for a chemical treatment with 'Green Clean'; it has calcium percarbonate and gives off hydrogen peroxide when poured directly on the string algae. He also noted that a filter with rock, gravel and sand, like Nick's, commonly develops *heterotrophs\**, which eat organics, not ammonia and nitrates. The heterotroph looks at pea green algae as if it's broccoli, and if it's really hungry, it will eat it; they can kill off string algae.

**Ed Broomfield** added that many algaecides are sold with copper in their mix, and can build up a toxicity. Spike answered that concern, saying that all heavy metals are more toxic in soft water, but not to worry: SoCal water comes from the tap in chunks—it's very hard! He never uses copper, but if one did, they could bind the copper with sodium sulphate.

Orville had the last word, reminding us that algae is only a visual problem, a matter of a aesthetics; it <u>looks bad</u> but has its place. He never uses chemicals; rather, he has three UVs, two 40satt and one 120wat. He runs all three during the four months of winter, but in Soring relies on just one 40 watt lamp. Over the course of the year, he will add the second 40 for 80 watts, or use just the 120; he can run 160 and then all of it for 200 watts of cleaning power, which is what he is using at present. He reiterated that he never recommends a chemical solution for algae.

Great Resources Are Available In Our



I was reminded of an article which I reprint here:

Each year our ponds go through a cycle based on the seasons. Part of that cycle is when floating algae causes the water to turn murky, even solid green. This is also common when starting a new pond. Then there are several types of algae that grow on the rocks in the waterfall and on the sides of the pond; of these, the dreaded string algae (also known as blanket weed) is the most bothersome.

Green water is caused by phytoplankton, which is a group of microscopic plants. In nature these are the source of beneficial nutrients needed by fish, such as essential fatty acids. The water in mud ponds in Japan is usually quite green, as this keeps the fish healthy and hides them from predators. Unfortunately, it also hides them from us! This makes it hard to see health problems that are common in springtime, like parasite infestations and sores.



String algae is tough stuff, and can be a real problem. It is hard to remove and seems to stick to everything. It can form a foot thick blanket on the sides of the pond, and is generally too tough for the fish to eat. The other types (black, green, brown and even white) that grow on surfaces are usually short and not a concern.

It takes three things to grow algae – sunlight, nutrients, and a tiny bit of

algae to start things going. It is nearly impossible to keep algae "spores" out, so the first way to control it is to shade the pond. Unfortunately this is not practical in many yards, and a pond can grow algae even in the shade. Nutrients are always being produced by the fish and filter bacteria, so it is very difficult to eliminate these from the pond.

Most ponders do their best to control algae by adding UV, chemicals and/or treatments. UV lighting, when adequately sized, will clear green water but can be slow to help if the water is particularly thick and murky – the light can't reach all the algae. It seems more effective at keeping clear water clear and, of course, doesn't kill string algae on waterfalls.

Algae-Fix is an effective and popular chemical treatment but is toxic at higher doses. Most of us use various plant extracts instead, as these are less potentially harmful. The way these work is that when plants decompose they release enzymes that inhibit new growth – think of this as a sort of defense mechanism. So the "old school" way was to put a bale of barley straw or a bundle of cut bamboo into the pond and let it decay. There are now various powdered and liquid preparations that do the same. I have had good results from Clarity-Max Plus, but like the other "natural" treatments it can take several weeks to work. Another well know product is Algae-Off (granules). Find it at http://www.pondalgaesolutions.com/algae-off.html

**Hydrogen Peroxide** household (3%) solution will remove string algae from your waterfall. Turn off the pump and let the algae dry out a bit, then spray it on liberally. It will not harm the fish and the algae will turn light green and decay. And once your treatments begin to soften up the stringy stuff, the fish can eat it – ending the cycle for that year.

~ Tom Ross, KHA

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#### A shipment of tosai arrived on Monday, July 11

"Koi Group & Small Koi Sale" web pages were just updated

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#### CALENDAR & KOI EVENTS

#### Add These to Your Calendar...

#### 17th Annual Golden Empire Koi Show



October 21-23, 2016

Kern County Fairgrounds 1142 So. P Street, Bakersfield, CA 93307 Sponsored by

#### The Bakersfield Koi and Water Garden Society





September 24-25, 2016

Fig Garden Village Fresno, CA

Koi Competition & Judging Pond & Koi Vendors Raffle Items

Koi & Pond Health Information



Open to Public



Show Tanks & Vendor Booths: ichele Kleiser, Show Chairperson 559-312-3892 or rkleiser@live.com Rosimeri Tran, President 559-970-8508 or cencalkol@gmail.com

Raffle & Silent Auction

- · Judging Starts 10 am
- · Awards Banquet 6 pm (Tickets \$40)

#### Sunday 9 am – 3 pm

- Raffle Drawing 12:30 pm
- · Silent Auction Winners Announced 1 pm
- Koi Auction 2 pm

S E D T	2-25	<b>Los Angeles County Fair</b> ~ Fairplex, Pomona. End of Summer Concert Series. 909.623.3111 <a href="www.lacf.com">www.lacf.com</a>
	10	KCSD 'Filter Stomp' ~ 8-10am at Japanese Friendship Garden. Bio- filter cleaninggreat fun even if you only watch!
		Check out www.VisitTemeculaValley.com for all the Wine events of the season.
	24- 25	<b>Central California Koi Show</b> ~ Fig Garden Village, 5082 N. Palm Ave., Fresno ~ <u>www.cencalkoi.com</u>
	25	IKS POTLUCK MEETING ~ 3-6pm / Hosted by Steve & Laura Nyirady 38431 Acorn Way, Yucaipa 923999 / 909.790.7607
	28	<b>IKS BUSINESS Meeting</b> ~ 7pm / <i>All members welcome!</i> Meet at the Fales, 760 La Cumbre St., Corona 92879 ~ 951.279.0181
O C T	1-9	<b>2016 Southern California Fair</b> ~ Lake Perris Fairgrounds ~ Concerts, carnival rides, motorized events, games and Fair food! ~ www.socalfair.com ~ 951.657.4221
	21-23	<b>17th Golden Empire Koi Show</b> ~ Kern County Fairgrounds, 1142 S. P Street, Bakersfield. Sponsored by Bakersfield Koi & Water Garden Society ~ <a href="https://www.bkwgs.com">www.bkwgs.com</a>
	23	<b>IKS POTLUCK MEETING</b> ~ 2-5pm / Hosted by George & Juli Ramirez, 198 W. Monterrey, Claremont 91711 ~ 909.626.0261
	27	IKS Business Meeting ~ 7pm / All members welcome! TBA
	31	<b>Hallowe'en &amp; Harvest Festivals</b> ~ Join friends & Neighbors at a local school or church to celebrate with kids of all ages!
70>	20	IKS THANKSGIVING FEAST ~ 2-5pm / Hosted to be confirmed. IKS provides the turkey; we sign up to bring the rest! Elections.
	25- 1/7	<b>Festival of Lights</b> ~ Mission Inn, 3649 Mission Inn Ave., Riverside ~ Switch-On Ceremony 11/25
	30	IKS Business Meeting ~ 7pm / All members welcome! TBA

#### **ELECTIONS 2016**

**Annual Elections** will take place at the November meeting to fill the 2017 term. Please consider carefully what you want out of IKS and whether you can give a few extra hours a month to keep us moving forward with the same level of success.



Taking an office means adding a two-hour meeting on a Wednesday night to your schedule. And don't be scared by the thought of President: it's a one-year term (maybe a second) keeping the board meetings running smoothly, emceeing regular meetings, and working with the other crazies on the board. Secretary and Directors are elected for two-year terms. A couple can do it together and make it a once-a-month night out with good koi friends!

> Remember: Once there were four people named Everybody, Somebody, Anybody and Nobody. There was an important job to be done and **Everybody** was sure that **Somebody** would do it. Anybody could have done it, but Nobody did. Everybody thought that Anybody could do it, but *Nobody* realized that *Everybody* wouldn't do it. It ended up that **Everybody** blamed **Somebody** when *Nobody* did what *Anybody* could have done.

Take a chance! Be the **SOMEBODY** that **ANYBODY** could be!







