

The Inland Koi Connection



THE OFFICIAL
NEWSLETTER
OF IKS
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MAY 21, 2023

IKS Sunday General Dessert Potluck - 2:00-5:00 pm

HOST: NORCO HIGH SCHOOL AGRICULTURE CLASS

2120 Temescal Ave, Norco, California 92860



Phone 951-736-3241 / 951-500-2157

Agriculture Teacher's Quest

At the Norco High School in 2018, Carole Lindsay, the teacher of Agriculture, wanted to create an enjoyable project for the whole school to enjoy by having her students build a nice pond. The students started by figuring out where they felt the best spot to build a pond would be.

With everyone agreeing, they started to dig a hole approximately the size they and the teacher thought was ideal.



"Can't we just dig a hole to put fish in?"

They soon realized they were not sure of dimensions or size, or even how deep a hole was needed. What kind of fish? A pond with different colors and different kinds of fish sounded interesting, but would they get along in the same pond?

A Norco citizen, Theo Zoetemelk, had been thinking about a community project for his club, the Inland Koi Society. Searching, he found the Agriculture Department at NHS was interested in building a pond. Theo was asked, "Can't we just dig a hole?"

So Theo and the Ag Teacher developed a plan to benefit both parties. Theo was SO excited and returned to IKS explaining the need for guidance from the Inland Koi Society. The students could dig and develop a Koi pond with Koi, equipment and instructions donated to Norco High

Then the students could agriculturally learn Step One about filtration, pumps, fish health, water chemistry, and gain responsibility of creating and caring of the entire pond. So, they listened, planned, dug, measured, cut, fitted, glued, screwed, inserted, made suggestions, carried supplies, learned techniques and the language of pond aquatics, chemical needs, mathematical measurements, fish foods and Koi needs. After the students inserted the volunteered Koi from John Bucannon, an IKS Member and past Editor of Koi USA Magazine, into the pond, they cheered. The pond was finished in the Fall of 2019.

In 2020 the Covid Pandemic put a stop to their creative learning and things came to a halt. Plus, IKS Members couldn't continue to help or teach services needed because of the Covid rules.

Years went by before students were able to get started again. New students replaced original ones, but Carole Lindsay continued her interest in creating this project for Norco High School. In the mean time, the Koi spawned and there wound up being more Koi in this 3,800 gallon pond. Currently, there are 11 Koi cared for by the students, guided by the Ag Teacher and enjoyed by everyone at Norco High School.

The teacher, students, and IKS are hoping there will be a good amount of parents, students, visitors, and members attending this month's meeting to witness the joy and hard work accomplished in the NHS Agriculture Class and school. **Lunch will be provided!!**

Members only need to bring a 'Dessert to share' and a chair.



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and VOLUNTEERS...**

President – Koi Re-Homing

Ed Kushner 951.520.0092
Edkushner-
@inlandkoisociety.org

Vice President Location Chair

Brenda Aker c951.316.0263
BrendaAker
@inlandkoisociety.org

Secretary –

Monica Dirac 909.887.7497
monicadirac@aol.com

Treasurer –

Nick Milfeld c951.892.4269
NickMilfeld
@inlandkoisociety.org

Newsletter Editor – open

Directors

- Gavin Alexander 951.922.5868
gamial@aol.com
- Tony Coby 951.486.1816
Jazzmn19@gmail.com
- Rob Fales 951.279.0181
- Deanna Fales 951.279.0181
RobFales OR DeannaFales
@inlandkoisociety.org
- Larry Leverett 951.781.3887
LarryLeverett
@inlandkoisociety.org
- Scott Zehm c951.237.2508
scottzehm@eee.org
- Theo Zoetemelk 951.735.9896
TheoZoetemelk
@inlandkoisociety.org



CLUB NEWS:

April 2023 General Meeting was very comfortable. Weather was beautiful. Hosts Ed & Louise Broomfield were exceptionally welcoming and the 26 members who were at the meeting were ideally spoiled by our hosts.

Ed has experienced three ponds during his life with Koi. 1) a prefab, 2) a pond w/o overflow 3) an above ground, with this one being his favorite and easiest. He went on to warn about being ready for electric power outages and explained what he did during a 48hr extended electrical black-out last year, to keep oxygen going for his koi.

Now he has gotten into writing for K.O.I. and currently rewriting Spike Cover's articles with consent. Currently his attention is on writing about International ponds compared with USA pond articles for K.O.I.



TIP OF THE MONTH

What you should know about FUNGUS

Looks like a woolly growth

- Can appear anywhere on the Koi
- Only a few species infect fish – *Saprolegnia* spp. Is the most common
- Spreads by producing spores
- Damages Koi by releasing chemicals or enzymes that destroy body tissue
- Causes: STRESS - poor water quality, rapid water temperature changes
- To treat, paint area with anti-fungal such as 1% malachite green or gentian violet

www.koiorganisationinternational.org

Our speaker, Eric Triplett, has been building ponds now for over 25 years and also manufactures his own product line of ponds, water features and accessories. Eric dropped nuggets of wisdom such as "The more things change, the more they stay the same." He seemed humble in explaining changes he has seen over the years, adding that lots of times *old ways might be the best.*

<u>K.O.I. Rep.</u>	Larry Leverett (951) 781-3887
<u>Database</u>	Orville Hanson (951) 682-3107
<u>Web Mistress</u>	Alecia Everett ikswbmaster@yahoo.com
<u>Badges</u>	Scott Zehm c(951) 237-2508
<u>Sunshine</u>	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.

People who donated to the Norco H.S. Pond

After we finished the pond in September 2019, and the pond was filled and fish added, the pandemic started. Teachers, students and IKS advisors were not allowed on school grounds for 2 years. We were not able to monitor the pond or filters or give instructions to staff on how to properly maintain everything. The pond was very dirty, but the Koi were thriving, so we have been behind the curve trying to catch up with the needed maintenance. The students who worked on the pond did a great job and it was a pleasure to work with them. They weren't

afraid to get involved in all phases of the work, from digging to building the filters.

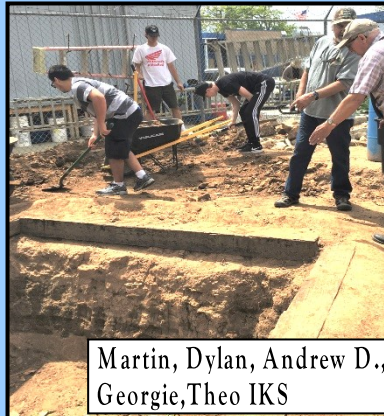
By the time the ponds were done, the past Editor of KOI USA magazine had passed away and had donated his prize Koi to the school. Tom Wright, Brenda Aker, Deanna Fales, and Larry Leverett went to collect the Koi and transport them to the school.

The students each brought one koi from the truck and released it into the pond.

It was a magical moment to see the culmination of two years of work.

Sincerely,
L.W.L., IKS Member.

Getting Ready to Dig and Starting Plans at Norco High School Fish Pond



Martin, Dylan, Andrew D., Georgie, Theo IKS

Digging for The Vortex



Bryce R., Jack S., Dylan W., Marcus H., and Christian



Aligning, Building, and Getting Equipment Ready



Larry IKS, Anthony Y., Dylan W., Theo IKS, Robert M., Jack S., Travis D.

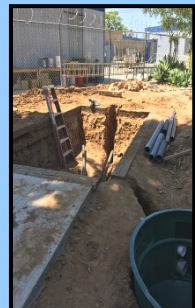
Bottom of Filter Students Drilled Holes



Bottom of filter.



Working Hard With Classmates



NHS Pond Activity



55 gal Blue Barrel Filters and Plumbing Standing Together



1/4 hp Pump Pushes 5,300 Gallons of Water Per-Hour.



55 gal Blue Barrel Filters and Inside Plumbing

Position Plan Working and 7 NHS Students Busy



Co-ordinating plumbing between Jack S. and Rob, IKS.



Ready to Unroll & install the vinal liner



Eric Triplett, Dylan, David, Matt, Anthony



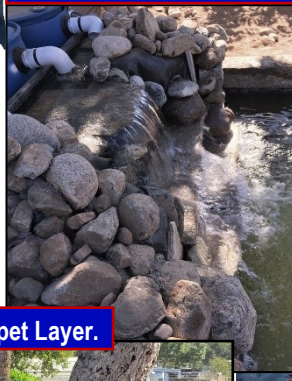
Teacher & IKS Member Consult with 2 students Looking on. Almost Completed.



Filling w/ Water. A Fun Plunge.



Working waterfall.



A Group Of Workers Finished the Carpet Layer.



So Much Fun Introducing The Koi.

The words "*Koi*" and "*Nishikori*" come from the Japanese words carp, and brocaded carp, respectively. In Japanese, "koi" is another word that means "affection" or "love", so koi are symbols of love and friendship in Japan.

- ◆ **Contrary to** popular belief, the koi fish is thought to have originated in China. The fish were later used as a food source before the Japanese began breeding them for their aesthetic appeal in the mid-1800s. In Japan, the most popular variety of koi is the Kohaku, a red and white koi. In the United States, the most popular are the Kohaku, the Taisho Sanke, and the Showa Sanke. The Taisho Sanka and the Showa Sanka are both red, white, and black.
- ◆ **New** koi varieties are still being actively developed. Ghost koi developed in the 1980s have become very popular in the United Kingdom; they are a hybrid of wild carp and Ogon koi and are distinguished by their metallic scales. Butterfly koi (also known as longfin koi, or dragon carp), also developed in the 1980s, are notable for their long and flowing fins. They are hybrids of koi with Asian carp. Butterfly koi and ghost koi are considered by some to be not true *nishikigoi*. But, if a breeder raises a highly sought after koi, it can sell for thousands of dollars. \$250,000 is not unheard of for a prized koi fish.
- ◆ **Koi** eat a wide variety of foods, including peas, lettuce, and watermelon. They are omnivores and are known to munch on pond plants. Koi food is designed not only to be nutritionally balanced, but also to float so as to encourage them to come to the surface. They have what are called pharyngeal teeth, which are common in many freshwater fish and sucker fish, as well as in carp and goldfish. This means their teeth are on the pharyngeal arch, which is at the back of their throat.
- ◆ **Again**, a koi fish's teeth are in the back of its throat, so it's impossible for the fish to actually bite you. Even if you were to completely extend your finger, it wouldn't be likely that you could actually reach the spot where their teeth are. They have a powerful grip with their mouths, but this won't be painful and it should never have the ability to draw blood. Once your fish realize that your finger isn't a part of their meal, they will quickly let go!
- ◆ **Koi** are very intellectual. Like a dog or a cat, they can be trained to eat out of your hand and sometimes even out of your mouth. Koi are among the most intelligent fish species. They are known for having great memories and the ability to recognize their owners. In addition, they are loyal to their owners and have very unique personalities. They can grow up to three feet long if raised in ideal conditions. * <https://koistory.com> * <https://en.wikipedia.org/wiki/koi>

A BIT OF HISTORY

A legendary koi named Hanako lived to be the oldest koi in all recorded history. Hanako was hatched in 1751 and lived to the ripe old age of 226, passing away in 1977. This famous Japanese koi lived through the Industrial, American, and French Revolutions, saw the formation of the United States, the invention of electricity and the automobile, survived World War I and II, and even lived into the Vietnam War! That's one long life span! However, most koi live 30-40 years. Because koi fish can develop such an array of colors, it comes as no surprise that each hue has developed a connotation. **Gold** koi fish represent wealth and prosperity. **Metallic** koi symbolize success in business. A **blue** koi is thought to bring serenity. Asagi koi of **blue, red, and grey** colorings symbolize positivity. **Black** koi are thought to hold a patriarchal symbolism, with **red** belonging to the mother, **blue** to the son, and **pink** to the daughter.

INLAND KOI

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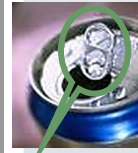


A large and worthy cause, supported by the Inland Koi Society.

The weight of the collection tabs we turn in, is credited for children's medical expenses and cost of families temporary housing needs.

Pull the tab at a meeting and insert it in the little box on registration table.

Bring your collected tabs to any IKS General Meeting and give them to Peggy Milfeld or to Debby Leverett.



Hey! We're Gettin' Lazy!
OR...perhaps you weren't aware?

Members are forgetting to pull the tabs off of their soda cans at meetings!


A couple of us don't mind digging through the recycle bin to pull them, but we usually find we should also dig through the trash to put the recyclables where they belong.

Please, friends, when two containers are provided for trash and recycling at a meeting, use them appropriately. Our thanks!

You can also drop them off on the registration table, individually, or by the bagful.

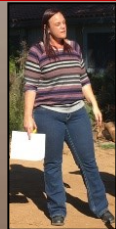
Many of our members collect tabs at home, at work, even at church...wherever they know people are sipping sodas. We do this recycling to support the families and children in the Ronald McDonald House Charities.

People who donated or helped build Norco High School Pond

Inland Koi Society 	These members were the leaders donating many parts including much plumbing, valve parts, inside liner, the drain, plus the Koi, and many used and new books about Koi to the Agriculture Department.
Brenda Aker	Donated time, suggestions, and encouragement. Helped collect fish.
Deanna and Rob Fales	Donated a lot of time, design of waterfalls, plus parts, recorded, pictures.
Larry Leverett	Spent many hours helping, suggesting, and donated many needed parts.
William Lim Inc	Donated some parts and a UV Light; discounted other parts.
Nick Milfeld	Donated a lot of necessary supplies, PVC pipes, and fittings.
Eric Triplett, The Pond Digger	Donated parts, the skimmer and time. Directed putting in rugs and liner.
Tom Wright	Donated much time, Vortex, many parts, instructions, much supervision.
Theo Zoetemelk	Helped design pond; instructed students. Supplied many parts and many hours of guidance.

Adam D.	Ismael F.	Mathew
Andrew D.	Jack S.	Shawn W.
Anthony P.	James D.	Shawn B.
Bryce R.	James F.	Travis D.
Christian	Jesus R.	Waylen
Clayden P.	J.T. G.	Wesley
Cowboy H.	Marcus H.	Wyatt R.
David	Martin	
Dylan W.	Matt T.	

CAROLE LINDSAY,
 NHS AG Teacher and some
 of her students.



Visit our IKS website: www.inlandkoi.org