

# The Inland Koi Connection

THE OFFICIAL NEWSLETTER OF IKS • ISSUE 275 • JUNE-JULY 2020



## COVID-19 Continues to Rule Our Days...

Little has changed in the last couple of months, here in our country and around the world, except that many more have become sick with the COVID-19 virus... many more have died... many have become seriously ill and yet lived through... and many have been asymptomatic yet managed to share it.

Meanwhile, we continue to respect the governor's orders and avoid gatherings of too many people in too small a space. Our usual 40 to 50 or more in attendance definitely puts us in the too-large-a-crowd category, and we miss seeing everyone.

I hope you enjoyed our long visit with Alan Pollock last time. It seems some of the best pictures come from the meeting itself, and the one below is no exception. All the koi are lazing in the afternoon shadows, showing off their numbers and their vibrant colors. The upper pond/bog is clearly visible from this angle, and the lid to the underground equipment vault is visible at lower right. (*I want to see inside....*)

This month we're staying closer to home, visiting **Tony Coby** in Moreno Valley. I'd love to spend a quiet afternoon on his patio, nursing a glass of wine...such a relaxing spot! Thank you, Tony, for sharing. ~Ed.



Alan Pollock's  
La Quinta pond

**WHAT'S BEEN GOING ON IN THE CLUB IN RECENT MONTHS?**

- **Ed Kushner**, who maintains quarantine for koi needing new homes, has received \$1000 in donations for the IKS Re-Homing program. The golf course at the Trilogy adult community took six large koi for its lake in July, and eight smaller koi were placed elsewhere in May.
- Remember the koi pond at Tom's Farms and the consulting work **Brenda Aker** was doing for them? The pond had a lot of issues, in particular a lack of filtration. The owner, Sunny, relocated all his Tom's Farms koi to the lake at Trilogy so work could begin on the pond. He had already redone the pond at Trilogy, and the Farm pond was next on his agenda. When we are once again able to host meetings, it might be nice to revisit Tom's Farms to see the new pond....
- The **Norco High School** pond is weathering the summer without any of the students or instructors there to enjoy the fruits of their labors. There is a caretaker who maintains all the Ag Department projects — the greenhouses, the animals, and the pond. **Theo Zoetemelk** and the others who worked on the project have been unable to get in to check on the koi and the equipment, but neither have they received any worrisome calls regarding the pond.
- **Nick Milfeld**, treasurer, has written refund checks to all members who renewed their subscriptions to KoiUSA for this year. The check sent early in the year to pay for 17 member renewals remains uncashed, so a stop payment order was placed and the refunds are in the mail. ►
- The **Apple Fire** in Cherry Valley, which began Friday afternoon as two or three small fires which quickly merged and ran out of control, started at Oak Glen Rd. and Apple Tree Lane, dangerously close to **Eric Triplett's** PondDigger property. About a half mile above that is **Steve & Laura Nyirady's** home; Larry confirmed that they are ok and have not evacuated as the fire turned to the east. 15,000 acres so far....
- **New Badges are in for:** Armand & Eve Blais ~ Kelly McHan Jerry & Pat Mall ~ Frank Painter

**LEFT BEHIND ~ OR JUST FORGOTTEN**

Jerry & Pat Mall brought these three items to our February meeting at **Aiko Howo's** in Redlands, but no one there claimed them. They are leftovers from our November Thanksgiving meeting at the Malls' in Temecula:

- Artic Zone BackSaver ice chest
  - Corning French White casserole and lid
  - Rubbermaid container
- The Milfelds have these at their home. Call them at 951.780.7395 to claim them.



~ **RENEWALS** ~

Aker	Hoffman	Painter
Alexander	Howo	Parks
Atkiss	Hunter	Pollock
Blais	Hurley	Poyle
Broomfield	James	Rein
Chandler	Kushner	Rhodes
Coby	Leever	Richardson
Cover	Lei	Ross
Dirac	Leverett	Thompson
Fales	MacLaren	Walters
Fraday	Mall	Watson
Halterman	Marrin	Wright
Hamilton	McClain	Zoetemelk
Hanson	McHan	Zehm
Henry (Bob)	Milfeld	<b>Are you here?</b>
Henry (Rich)	Nyirady	

**Welcome to our newest members!**

Dennis & Diana Williams (3/4/20)  
 4315 Piedmont Mesa Rd, Claremont 91711  
 denniswl1932@yahoo.com ~ 626.222.3636  
*We look forward to meeting you in person when 'this' is over and we're meeting again.*

**Farewell to KoiUSA**

Due to loss of advertising support, *KoiUSA* has been forced out of business; it is the primary source of income for AKCA. To make it up to the most recent new subscribers, they will upon request send up to 6 back issues in lieu of a refund. Subscribers received a letter about this.

**2020 OFFICERS & DIRECTORS**

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<b>Frank Painter</b> , V.P.	619.576.1625
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<b>Alvin Watson</b>	951.764.6387
<b>Theo Zoetemelk</b>	951.735.9896
<i>Buffet &amp; Banquet Supplies</i>	

*This month we're visiting much closer to home...you'll appreciate the shorter lack of a drive. I appreciate that the story is the result of Alvin Watson in Hesperia reaching out to Tony Coby of Moreno Valley. Thank you to both of you!*

I once visited the Meditation Gardens\* in Encinitas, where they have a lush koi pond and stream amongst shaded gardens. I was inspired to have a pond for myself and, as I was newly retired, I thought what a great home project it would be. I really had no other ideas or knowledge of owning a koi pond or of the hobby.

The build started back in March of 2017, and the contractor who built it was Ed Brown of *Ponderific Landscape and Design*; I found him in a search in Home Advisor\*\*. It was Ed who introduced me to the Inland Koi Society, and I became a member in May 2017.



*The yard was pretty much a blank slate once the pond was finished. Next came hardscape, patio and walkways, then the landscape planting....*

The pond dimensions and equipment are as follows:

- The pond is approximately 14 feet long and 10 feet wide, and about 4 feet deep. It is rubber lined with a 10-foot steam down line from a three-step waterfall.
- There is a bog incorporated after the filtration system, inline and above the waterfall. It consists of a pit with Aqua boxes which fill and spill over and becomes the waterfall area. This was thought to add filtration to the pond.
- There is a Pentair Superflo VS variable-speed pump and an Aqua Ultima II 4000 series filter, plus a 57-watt Aqua Ultraviolet UV sterilizer.
- There are two Rhino II bottom drains and an Aqua-Signature series pond skimmer.

- There are lotus and water lilies, and four lights along the stream and pond edges.



*The slab and framework for the gazebo, the most peaceful place in the yard.*

It has been a labor of love and has grown since its origin with improvements of a gazebo and landscaping and of the addition of several koi, mostly purchased from Inland Koi, Andrew's Koi, and the koi rescue from our club. Currently I have about 11 young koi in various sizes, none over 16 inches.



*Looking toward the waterfall.*

**Q: If you had to change anything about your pond, what would it be?**

Knowing what I think I know now, the first change I would make as an improvement would be to use a larger UV unit. After that, I wouldn't have put the bog where it is today, especially being mindful of what plants were put there. Additionally, I would like to have planned better plant shelves along the side when the pond was being dug.

*Continued, page 4*



*Three-step waterfall*

**Q: Is there a certain type of koi you like the most or a favorite color?**

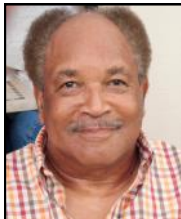
I don't have one particularly favorite koi type, but enjoy the usual —*Tancho*, *Showa* and *Kohaku* — and I do like the long fin or butterfly varieties for their added flair. I find myself always wanting new koi. (smile)



*The finished pond now*

**Q: Is there any advice you can give to a new person in the hobby?**

My advice for any newcomers would be to talk with current pond owners and discuss the issues and lessons learned, to get the best equipment and pond size you can afford with the thought of cost to run and ease of maintenance, and always have a good depth for your pond. Once you have it, you will realize the beauty, and how relaxing and great it is to be a koi pond owner.



*Tony Coby*

\* The Encinitas Temple is a branch of Self-Realization Fellowship (SRF), an international religious organization founded in 1920 by Paramahansa Yogananda to disseminate the universal teachings of Kriya Yoga, a sacred spiritual science originating millenniums ago in India. The nearby Encinitas Ashram Center and ***Meditation Gardens*** were established by Paramahansa Yogananda during his lifetime, and have become a center of pilgrimage for thousands of people each year who come from all parts of the globe to visit the site where this great world teacher lived, worked, and communed with God. The meditation gardens feature many paths surrounded by tropical plants and flowers; a koi pond and stream; views of the ocean and many quiet places to sit for contemplation.



*Hardscape and landscape is complete*

\*\* HomeAdvisor ([www.homeadvisor.com](http://www.homeadvisor.com)) is a digital marketplace formerly known as ServiceMagic. Home Advisor incorporates home improvement project planning resources like True Cost Guide, where customers can view average project costs. It is free to homeowners, and a paid network for service professionals.



*View to the rest of the back yard*

*Thank you, Tony, for letting us visit! 🐾*

**HOW MUCH DOES THAT KOI WEIGH?**

By Larry Lunsford

There are times when you need to know how much your koi weigh, such as when calculating medication doses or when determining how much to feed. The most accurate way to determine your koi's weight is to actually weigh it. Sometimes this is not practical, so you can use the **Weight Chart** below to estimate weight vs. length for a normal-build koi. Length is from tip of nose to tip of tail.

**Fish Weight**  
Fish increase their weight exponentially with their length. The longer they get, the heavier they weigh. Fish produce waste in relation to their weight not their length.

Never calculate how many fish you can have in your pond by their length! For the health of your Koi, use their weight instead!

Keep in mind that this table is for *typical* koi. A *skinny* koi of a given length may weigh 25% to 50% less than a typical koi. A *fat* koi of a given length could weigh 25% to 50% more than a typical koi. You have to judge where your koi falls on the skinny-normal-fat scale. [NOTE: *Another weight table gives much higher weights; in it the 6" koi is over two ounces, and by 30" exceeds 260 ounces, making it very much a "fat" scale!*]

Length	Ounces	Length	Ounces	Length	Ounces
2"	0.06	15"	23.4	28"	152
3"	0.19	16"	28.4	29"	169
4"	0.44	17"	34.1	<b>30"</b>	<b>188</b>
5"	0.87	18"	40.5	31"	207
<b>6"</b>	<b>1.50</b>	19"	47.6	32"	228
7"	2.38	20"	55.6	33"	250
8"	3.56	21"	64.3	34"	273
9"	5.06	22"	73.9	35"	298
10"	6.94	23"	84.5	36"	324
11"	9.24	24"	96.0	37"	352
12"	12.0	25"	108.5	38"	381
13"	15.3	26"	122.1	39"	412
14"	19.1	27"	136.7	40"	444

If you lose the chart, use the **12-12 rule**: a typical 12" long koi weighs 12 ounces. To calculate the weights of other length koi, use the formula: weight = length x length x length / 144 (with weight in ounces, length in inches from tip of nose to tip of tail).

Along with knowing how much your koi weigh now, you may want to predict how much they will weigh in the future. Having some idea of future weight will help you make decisions such as "When do I need to upgrade my filter?" and "How big does my filter need to be?" and "How many fish can I put in my pond?"

Growth rates vary greatly. The **Growth Rate Chart** below shows some very rough koi lengths in inches for three situations: maximum growth rate, a normal pond rate, and low growth rate.

- In the **maximum growth** scenario, the koi are kept in water that is around 70°F to 75°F year round and are fed around 5% of their body weight daily (spread out over 8 to 12 feedings).
- The **normal pond rate** assumes that the koi are fed twice a day in warm weather, less in the Spring and Fall, and none in Winter.
- The **low growth** scenario assumes that the koi are fed a little every few days in Summer.

Year	Maximum Growth	Normal Pond Rate	Low Growth
1st	6"	4"	3"
2nd	12"	8"	5"
3rd	16"	11"	7"
4th	20"	14"	9"
5th	24"	17"	11"
6th	28"	20"	13"

We're told we can have *x* inches of fish per 1000 gallons of water in our pond system, but we can't necessarily use length or weight as the only factors in that decision. Let's discuss that determination in the next newsletter...

**The 1,000 Gallon Factor**  
The more water you have in the pond, the more diluted the fish waste becomes. More Water = More Fish!

The 1,000 Gallon Factor accounts for water volume in a pond. When calculating how much fish you can have in your pond, filtration AND water volume are key!

**RISK DYNAMICS: "There's a kind of false dichotomy of either you stay in, or you go out and it's really, really dangerous. But we don't have to feel so trapped...."**

**SCALE OF RISK**

The Texas Medical Association released its scale for how risky certain activities might be during COVID-19. The rankings were compiled by TMA.

COVID-19 Task Force and the TMA Committee on Infectious Diseases. The rankings are based on participants in these activities following currently

recommended safety protocols when possible.

The chart is intended as a guide, prepared by physician experts, to help

make smart and educated choices of activities to pursue amid the COVID-19 pandemic.

Opening the mail



Getting restaurant takeout



Pumping gasoline



Playing tennis



Going camping



Grocery shopping



Going for a walk, run, or bike ride



Playing golf



Staying at a hotel for two nights



Sitting in a doctor's waiting room



Going to a library or museum



Eating in a restaurant (outside)



Walking in a busy downtown



Spending an hour at a playground



Having dinner at someone else's house



Attending a backyard barbecue



Going to a beach



Shopping at a mall



Sending kids to school, camp, or day care



Working a week in an office building



Swimming in a public pool



Visiting an elderly relative in their home



Going to a hair salon or barbershop



Eating in a restaurant (inside)



Attending a wedding or funeral



Traveling by plane



Playing basketball



Playing football



Hugging or shaking hands



Eating at a buffet



Working out at a gym



Going to a movie theater



Attending a large music concert



Going to a sports stadium



Attending a religious service with 500+



Going to a bar




THANKS TO SPIKE COVER FOR THIS INDEX FROM TEXAS MEDICAL ASSOCIATION....

**Annual Pull Tab Recycle Day  
Friday 7 August 2020**

IKS has saved aluminum pull tabs from beverage & soda cans for the benefit of **Inland Empire Ronald McDonald House** for many years. The 2020 annual turn-in is Friday, August 7, at **11365 Anderson St., Loma Linda**. Pull tabs can be accepted **ONLY** during two shifts: **8-11am** and **3-6pm**. Aluminum cans and plastic bottles with CRV logos will also be accepted during these times. For more info contact Allie Ceroni at 909.747.1275 or [aceroni@rmhsc.org](mailto:aceroni@rmhsc.org).

**Useful Websites for Koi-related Info:**

- [www.koi phen.com](http://www.koi phen.com) ~ #1 koi online forum.
- Access koi calculators at <http://www.koi phen.com/forums/koicalcs.php?do=calcsalt>
- <http://www.akakoi.com.au/Glossary.html> ~ An extensive alphabetical glossary of Nishikigoi terms (for perfect koi ID)
- [koi-care.com](http://koi-care.com) ~ pond maintenance info, koi food, diseases, koi care, breeding
- [KoiFishPonds.com](http://KoiFishPonds.com) ~ broad koi site dedicated to good koi ponds & water gardens; equipment & supplies at discount
- [andrewskoi.com](http://andrewskoi.com) and [inlandkoi.com](http://inlandkoi.com) ~ Local dealers/importers providing extensive info online




# K.O.I. News!

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July 2020



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NEW ARTICLE!


By Spike Cover

- Build a Constant Flow Regulation Valve for Continuous Water Changes

SAMPLE Articles for Members

- PCR and ELISA Tests for KHV – explained! By Syd Mitchell
- Nutrition by Chris Neaves
- Understanding pH and KH by Syd Mitchell
- Improving your Biologic Filter by Syd Mitchell
- Pond Stocking Density by Chris Neaves
- Comparing Trickle Towers with Bakki Showers by Syd Mitchell
- Mycobacteriosis (one of the few diseases that can be transmitted by Koi to humans) by Diana Walstad
- The Science behind using Clay in Ponds by Syd Mitchell
- Hikui – possible cause and remedies by Spike Cover
- It probably isn't Lymphocystis by Spike Cover

## VOLUNTEER



K.O.I. is an ALL VOLUNTEER Org!  
You Can Help! (email [patlist@snet.net](mailto:patlist@snet.net))

While you're at home, Volunteer some Time!  
We are currently looking for:

- Sunshine volunteer to send cards & email to cheer members
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- Writers for Course Upgrades

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