

The Inland Koi Connection

THE OFFICIAL NEWSLETTER OF IKS • ISSUE 273 • MARCH 2020



Sunday, 3/22 Potluck Meeting at Norco High School Ag Dept 2 - 5pm ~ 2065 Temescal Avenue, Norco 92860

A year and a half ago, Theo Zoetemelk looked at the membership of IKS and made several observations: we are, for the most part, an aging group of hobbyists; we are perennially difficult to promote into positions of leadership; we need to introduce the 'next generation' to koi keeping if we hope to engage them in the hobby.

To that end, Theo brought to the IKS Board a proposal to help the Ag Department students of Norco High School to build a pond on the school grounds. A hole had already been started, but the instructor and students had hit a wall on knowing what to do next. Theo met with Carole Lindsay, the Ag instructor, and offered her the combined knowledge of several of our members, as well as their hands-on help, to teach the kids how to finish the pond and make a successful project of it. And he gave her the IKS *Koi 101* handbook.

Carole had eight or nine students who were ready to get their hands

and knees dirty working on this project; their excitement never waned, even though a few graduated before the pond was finished and others took their places.

Theo led the IKS team of Deanna and Eric Fales, Larry Leverett, Brenda Aker, Tom Wright, Ed Brown and Eric Triplet, who worked with the kids hour by hour during their class time. Theo designed a four-barrel filter system and taught the kids to build it. Eric Fales, a mechanical engineer, created the drawings in CAD for reference and to provide a blueprint for future projects like this one. Rob Fales has written an article for *KoiUSA*, and work has begun on a booklet detailing plans for the compete project. The ultimate goal is to interest young people — and, by extension, their parents and friends — in koi keeping, and hopefully to have other clubs across the country replicate the project in schools in their areas of influence. New younger hobbyists will keep the hobby alive.

The Ag Dept. is going to provide and prepare meat for our lunch and a small dessert bar. We are asked to bring side dishes, salads, and perhaps a few extra dessert, preferably hand-held types. And do remember your chairs! See you Sunday!



From Dig to Dream...

Theo stands in the finished hole to explain next steps to the students.



Carpet lining plus a liner plus water = the POND



Meeting Cancelled

In light of the health concerns across the country, Norco High School has chosen to cancel all sporting and other school events until the end of March. That will include our scheduled meeting with the Ag Dept. students on March 22.

The IKS Board had already discussed the wisdom of cancelling the meeting because of the inclement weather expected the full week before the meeting; with your health in mind, an outdoor setting on saturated and muddy ground didn't make sense. We may not be able to schedule another date before school is out, but this may give the students more time to finish some landscaping projects around their pond.

Here are a couple of books reviewed and recommended by Spike Cover and others. They may be part of the IKS Library, a collection of resource material that any member can borrow.

At present, our Library is housed by Jim & Tess Poyle (951.797.3007), and members may call them to request a book.

- **The Art of Koi Keeping**, by Peter Cole. (1990) ISBN 0713721413. 126 pages

Dave Broscombe's review:

"Peter Cole, in this book, takes away from our hobby that which is mysterious to the newcomer. It is a fully comprehensive read that covers all the bases but keeps it simple, (our book has those ever-present bits of paper sticking out at pages we found interesting); it has helped us out with a problem more than once.

A must for the new and the experienced."

- **Bacterial Diseases of Fish**, Inglis, Valerie, et. al. Blackwell Science Ltd. (1993) ISBN 0632034971, 312 pages. Hard cover.

Spike Cover's review:

- This is a very good book on exactly what its title says. You can find it all in this one. It discusses morphology (what the bugs

look like), clinical signs, epizootiology (when and where it usually occurs), tests, and some cures. And for those who aren't into reading about them, there are also some nice colored pix of diseased fish.

- **Handbook of Fish Diseases (All Fish)** Dieter Untergasser (1989) ISBN 0866227032, Hardcover.

Dave Broscombe's review:

"Dieter Untergasser has created in this book an in-depth, yet easy-to-follow guide to fish diseases. It is full of great photographs with microscopic views of every nasty you can think of. It is a well thought out book, a must for any fish keeper."

Duncan Griffiths' review:

"Just love this book! It's got to be one of the all time great chemical treatment references, and disease references. Honest, you will never have heard of a lot of them. Great 'decision tree' at the beginning."



MEMBERSHIP RENEWALS TO DATE

Members listed below have turned in their dues and renewal forms for 2020. The list will be culled at the end of March.

DON'T LET THIS BE YOUR LAST ISSUE!

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

New Badges are in!

Armand & Eve Blais
 Mary Leever ~ Kelly McHan
 Jerry & Pat Mall ~ Frank Painter
Pick them up at the sign-in table

Welcome to our newest members!

Dennis & Diana Williams (3/4/20)
 4315 Piedmont Mesa Road
 Claremont CA 91711
 dennisw1932@yahoo.com ~ 626.222.3636

2020 OFFICERS & DIRECTORS

Officers:

- Ed Kushner** Pres 951.520.0092
Koi Re-Homing ~ Web Liaison
- Frank Painter** V.P. 619.576.1625
Meeting Sites & Speakers
- Monica Dirac** Secy 909.887.7497
- Nick Milfeld** Treas 951.780.7395
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- Peggy Milfeld** Editor 951.780.7395
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MARCH	<p>08 ~ IKS BOARD MEETING: 5pm / Hosted by Nick & Peggy Milfeld / 1644 Northhampton Dr., Riverside 92506</p> <p>22 ~ IKS POTLUCK MEETING: 2-5pm / Hosted by Norco High School Ag Dept., 2065 Temescal Ave., Norco 92860 / Meat provided; please bring sides and hand-held desserts, and your chairs.</p>
APRIL	<p>05 ~ IKS BOARD MEETING: 5pm / Hosted by Ed & Linda Kushner / 1556 Vandagriff Way, Corona 92883 / Interested Members are welcome to attend, but please call to let the hosts know 951.520.0092</p> <p>26 ~ IKS POTLUCK MEETING: 2-5pm / at Mystic Koi / 1250 W Arrow Hwy, Upland 91786 / 909.920.3767</p>
MAY	<p>02-03 ~ Riverside Community Flower Show & Garden Tours: Elks Lodge, 6166 Brockton, Riverside / IKS will have a display pond on site / Show, 1-5 Sat., 10-4 Sun. FREE; Garden Tour, 10-4 both days, \$10.</p> <p>03 ~ IKS BOARD MEETING: 5pm after Flower Show tear-down / Hosted by Larry & Debby Leverett / 5349 Jasper Lane, Riverside 92506 / Interested Members are welcome; please call to let the hosts know, 951.781.3887</p> <p>24 ~ IKS POTLUCK MEETING: 2-5pm / Hosted by Ed & Linda Kushner / 1556 Vandagriff Way, Corona 92883</p>



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February 23, Redlands ~ Aiko Howo's Aquaponics System

Aiko's wonderful gardens and pond was a pleasant spot for our last meeting. She has been busy with more projects, putting a blue tile roof over her patio and over a new covered BBQ area, and adding an impressive aquaponics system for growing vegetables over water. The water tanks could also be used for raising edible fish such as tilapia, but she has rehomed several rescued koi instead; it's a little too cold here for the tilapia.

Aquaponics dates back to the ancient Egyptians, Aztecs, 13th century Chinese and to carp growing in rice paddies. It refers to any system combining conventional aquaculture (raising aquatic animals such as fish in tanks) with hydroponics (cultivating plants in water) in a symbiotic environment. In normal aquaculture, the fish excretions can accumulate in the water, increasing toxicity; but in the aquaponic system, the water is fed to a hydroponic system where the by-products are broken down by nitrifying bacteria, first into nitrites and subsequently into nitrates that are utilized by the plants as nutrients. Then, the water is recirculated back to the aquaculture system.

The system still needs filtration to remove solid wastes; filter media may be Matalla with nitrifying bacteria in it, or the bacteria could be in clay or gravel. Fish will eat the plant roots, but only those that grow outside their container; consider it root pruning. Many vegetables are easily and successfully raised this way. Leafy greens and herbs are the most productive plants; salad varieties such as tomatoes, cucumbers, capsicum, shallots, lettuces, chilies, red salad onions, and snow peas usually have the greatest success. Beans, cauliflower, cabbage, broccoli, eggplant and choys used for stir fries are also pretty successful and easy. Herbs such as watercress, basil, coriander, parsley, lemongrass, and sage, also work well.



Pandasia Koi & Garden
www.pandasiakoi.com
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Chien Lee of
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and
Sandy Caldwell of
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INLAND KOI SOCIETY
 5198 ARLINGTON AVE., #146
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2020 ~ 73rd Annual Riverside Community



Flower Show & Garden Tour

"Homegrown Harvest"

Garden Tour
 7 Local Gardens
Tickets \$10
Children under 16 Free with paying adult

Saturday, May 2

Gardens 10 am - 4 pm
 Show 1 - 5 pm

(Garden tour maps available at Elks Lodge at 9 am Sat. • Flower Show opens at 1 pm)

Sunday, May 3

Gardens and Show
 10 am - 4 pm

FREE Flower Show & Fair!

Elks Lodge, 6166 Brockton Ave., Riverside
 • Exhibits
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Riverside Community Flower Show & Garden Tour



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See our website for the 2020 Garden Tour Pre-sale Locations:

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- Koi of the YEAR -

Each Spring, all AKCA-affiliated clubs can choose a koi to be entered in an *AKCA Koi of the Year* photo contest. The only rule is that the koi should not be the Grand Champion from it's owner's club's show. The winning entry is then chosen at the AKCA Annual Meeting, by secret ballot, by all in attendance.

At the April meeting our club will select our Koi of the Year. To enter your favorite koi, bring a color photo (unlabeled) to the April meeting. Pictures will be assigned a number or letter ID, and be posted for viewing. Everyone will get to vote for the fish they like best. Photos can show only one fish, tubbed or in the pond. *No photo-shopping, Scout's honor!*

The winning photo will be sent to AKCA for judging at the Annual Meeting in June.

You have a month to get those pictures taken!

Start taking pictures now while the water is still cold, your koi are relatively inactive, and water is still clear.

AKCA Guidelines:

- Only one fish per club per year may be entered. The fish must be kept at the owner's home, in the owner's pond, and can be entered once per year to represent only one club.
- All previous "AKCA Koi of the Year" first place winners cannot be entered another year.

Visit our website: www.inlandkoi.org