



KOI CLUB OF SAN DIEGO NEWSLETTER©

June 2021

Volume: 21 Issue 6

Po Box 22833

San Diego, CA 92192

www.koiclubofsandiego.org



General Meeting June 13th 2021

Dr. Jessica Lynch

11360 Via Rancho San Diego, Unit C

El Cajon, California 92019

Please contact and confirm you will attend

Covid Protocols' to be followed

Bring your own lunch and chairs

Social Time —12:30 pm

Meeting Starts —1:30 pm



Address and Directions

11360 Via Rancho San Diego, Unit C

El Cajon, California 92019

Go east on 94. When 94 turns right at a light, stay straight onto 54. Turn left on Fury Lane => it is best to get in the second left turn lane since the complex will be one block down on the right. The complex is on the corner of Fury Lane and Via Rancho San Diego. There is an entrance to the complex from both streets. The lawn area is in the middle of the complex near the swimming pool. On the west end of the complex/lawn area.

OFFICERS

PRESIDENT: Al Pierce	(619) 427-9008	president@koicsd.org
First VP-PROGRAM: POSITION OPEN	(619) 200-4146	program@koicsd.org
Second VP-VENUE: POSITION OPEN		venue@koicsd.org
SECRETARY: POSITION OPEN		secretary@koicsd.org
TREASURER: Dr. Jessica Lynch	(619) 3 70-8045	treasurer@koicsd.org

Koi Person of The Year 2020 Scotty Yee

APPOINTED OFFICERS

SHOW CHAIRMAN 2022: Matt Rhoades	(619)517-8270	show@koicsd.org
Webmaster-: Jerry Myers	(619)405-8908	webmaster@koicsd.org
Co-Webmasters-: Greg Ruth		webmaster@koicsd.org
MEMBERSHIP: Greg Ruth	(858) 395-7882	membership@koicsd.org
PUBLICITY: Vacant		publicity@koicsd.org
NEWSLETTER: Jerry Myers	(619) 405-8908	newsletter@koicsd.org
AKCA REPRESENTATIVE: Scotty Yee	(714)943-3906	akcarep@koicsd.org
CLUB HISTORIAN: Dr. Galen Hansen	(619) 440-2035	historian@koicsd.org
PROPERTY MANAGER: Al Pierce	(619) 427-9008	property@koicsd.org
LIBRARIAN AND KOI HEALTH ADVISOR: Koi Jack Chapman	(619) 669-0490	health@koicsd.org
FINANCIAL REVIEW CHAIRMAN: POSITION OPEN		finance@koicsd.org
CORRESPONDENCE SECRETARY: Shirley Elswick	(619) 222-9825	correspondence@koicsd.org
JAPANESE FRIENDSHIP GARDEN LIAISON: Linda Pluth	(619) 200-4146	jfg@koicsd.org

MEMBERS AT LARGE

Tamsie Pierce

HELPING HANDS

WATER QUALITY: Jack Chapman	(619) 669-0490	waterquality@koicsd.org
KOI HEALTH ADVISOR: Jack Chapman	(619) 669-0490	health@koicsd.org
PROGRAM SUGGESTIONS: : Linda Pluth	(619) 200-4146	program@koicsd.org
TO HOST A MEETING: POSITION OPEN		venue@koicsd.org
TO SUBMIT AN ARTICLE: Linda Pluth	(619) 200-4146	input@koicsd.org

CALENDAR of EVENTS

Committee Meetings

Zoom KCSD Steering Committee Meeting

Scheduled Zoom meeting.

Wednesday, June 2, 2021

7 PM

Zoom

Topic: Steering Committee Meeting

Time: This is a recurring meeting
Meet anytime

Join Zoom Meeting

<https://us02web.zoom.us/j/83469599073?pwd=cFNFOw1wWWpZMzErTUYYbU8oZGovQT09>

Meeting ID: 834 6959 9073

Passcode: 408973

Please remember that the Steering Committee Meetings are for any club member in good standing.

WELCOME NEW MEMBERS

Paul Weiss

WELCOME RENEWING MEMBERS

**Vivian Blackstone
Buck Buckles
Ginger Herlihy
Chien Lee
Jessica Lynch
John Svelan
Steve & Marcia Yee**

General Meetings

June 13th General Meeting

**Dr. Jessica Lynch
11360 Via Rancho San Diego,
Unit C**

El Cajon, California 92019

Social Time –12:30 pm

Meeting Starts –1:30 pm

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**KOI CLUB
OF
SAN DIEGO 33rd
ANNUAL KOI SHOW
PICTURES
BY
PHYLLIS SPOOR
aka SPARKLY HAT**

[Click text](#)

**KOI CLUB
OF
SAN DIEGO 33rd
ANNUAL KOI SHOW
PICTURES
BY
BILL NEWELL**

[Click text](#)

**NEW WEBSITE IS UP AND
RUNNING**

<http://www.koiclubofsandiego.org/>

Upcoming Events 2021



Due to the Corona Virus (COVID-19)

Steering committee Meetings are canceled until further notice.

If there is club business to contend with please notify the club president at

president@koicsd.org

The Club has been holding Steering Committee Meetings on Zoom for more info contact Tamsie by email at tamsie@cox.net



Find us on:
facebook®

The Original KCSD Koi Club Facebook page is up and running. Just enter Koi Club of San Diego in the friend search at the top of your Facebook page to friend it.

Inquiries concerning our Treasurer's report should be directed to:
treasurer@koicsd.org



The President's Corner

June 2021

Thank you to Vagabond Koi & Jerry Myers. Jerry has kept the newsletter a constant for the Koi Club, but in the gaps he has provided a resource for those members needing to downsize or close their ponds by finding new homes for the fish. In a more normal year, there would have been an auction, and one is being planned- but still subject to the pandemic restrictions - and so Jerry and his Vagaond Koi have been a life saver.

Thank you to Matt Rhoades who has stepped forward to be show chair for the 2022 show, arranging a tentative date with the Del Mar Fairgrounds and serving as point man.

Thank you to Kathy and Ernie Stewart for offering their business location for space to hold a Koi Auction in 2021. Although the club did not meet in most of 2020 once the show was over, the operating expenses continued - storage unit and web site hosting, most obvious monthly costs. With an auction we can start to build up once again the bank balance to underwrite the show in 2022.

Thank you to Scotty Yee, as well, for keeping us apprised of koi shows that are now starting to be scheduled. He has not only notified us of the shows, but is planning on entering his fish and will be taking a KCSD Friendship Award trophy with him when he goes.

And that leads to another thank you to Shirley Elswick who is always willing to arrange for trophies from the club.

A very big thank you to everyone who showed up at Leanore Wade's home on April 11 for the first KCSD general meeting for over a year. And on May 2, you came back again for the meeting at Adriana Cespedes home in the San Diego State area. A new pond to see, Amazing landscaping, and some very beautiful fish to appreciate.

With any good fortune, we will be able to once again continue our regular meetings. This month will be at the home of Jessica Lynch. Please remember the usual things - masks, chairs, your own lunch/snacks/drinks. Just as we did before, we will be gathering in the green common land behind Jessica's home.

Although consensus is we wish to return to potlucks, County Health is still not approving such communal meals.

Last but not least, thank you to Will Vukmanic for stepping forward as Nomination Chair for the (long overdue) elections. Currently every position but Treasurer is open for nominations. According to the By Laws President is a year over term limits, and both Vice President positions and Secretary are actually vacant.

The By Laws are posted on the KCSD website, and job descriptions are included. Or you can simply call the current office holder and get a good idea of what additional skills and time are necessary. Mostly it is the time for one additional meeting a month (the Steering Committee) and perhaps a few phone calls.

With the start of lifted restrictions it is time to step forward.

Out into late Spring/Summer weather to sit by the pond to visit with your fish. Help them remember how to eat out of your hand, or what the sound of your voice or vibration of your step means.

On to support the club be taking on a new experience and make your ideas/inspiration come to life.

You have planned, shaped, built your pond and garden. Maybe even shared it with the KCSD members for a meeting. Now is your opportunity to help shape the club's way forward in 2021 and onward.

Al Pierce is inviting you to a scheduled Zoom Steering Committee meeting.

Topic: Steering Committee Meeting

Time: Wednesday June 2nd at 7 PM

Join Zoom Meeting

**[https://us02web.zoom.us/j/83469599073?
pwd=cFNFOw1wWWpZMzErTUYYbU8oZGovQT09](https://us02web.zoom.us/j/83469599073?pwd=cFNFOw1wWWpZMzErTUYYbU8oZGovQT09)**

Meeting ID: 834 6959 9073

Passcode: 408973

One tap mobile

+16699006833,,83469599073#,,,,*408973# US (San Jose)

+13462487799,,83469599073#,,,,*408973# US (Houston)



Please remember that the Steering Committee Meetings are for any club member in good standing.

June 2nd 2021

Notes from the Board

Kathy Stewart

5/21

Koi Club of San Diego Steering Committee Meeting, Wednesday, May 5, 2021

Members Present:

Kathy Stewart
Jessica Lynch
Will Vukmanic
Matt Rhoades
Al Pierce
Tamsie Pierce

Meeting called to order at 7:11PM

Treasurer reported concerns about Go Daddy Charges, and reminded us that the AKCA Dues of \$150 are due. The AKCA dues cover insurance for general meetings at individual members' homes.

Matt Rhoades reported that he is waiting to hear from Del Mar. He expressed concerns at the proposed total of fees proposed for a 2021 show in March.

Jessica Lynch will be hosting the June general meeting, on June 7.

There was no elected quorum present.

Will Vukmanic has agreed to be chairman of the Nomination Committee.

An auction has been proposed for September. There have been weather temperature concerns expressed.

Meeting was adjourned at 7:45 PM

Just a quick note on officer status

**Most of the elected officer positions, except for Jessica Lynch - treasurer, are open and up for election
Both VP's & Secretary have stepped down.**

President is still awaiting elections. And he is way past term limits.

As mentioned above Will Vukmanic has volunteered to be Chairman of the Election Committee.

Please contact him if you would like to run for a position.



KHA KORNER

by

“KOI” Jack Chapman

Growth/Color Decisions Updated from March 2019

As a pond owner and koi hobbyist you have some growth and color decisions to consider if you want to be competitive for next year's (March 2022) KCSA Annual Koi Show or just want to see improvement in your current koi collection. Now as in early spring is the time to decide what you want your koi to look like in the fall and how you plan to get there!!! The general knowledge towards these decisions comes from time and experience as a hobbyist and more importantly some self-education and/or exposure to the principles in play on the subject of growth/color. *What do you want your koi to do within the confines of your pond system?* I'm going to have to stay with generalities as I introduce you to some points for consideration and while all this stuff has been seen in print or video not all agree with some of the finer points – that's my disclaimer LOL but I believe in what I'm about to pass along in this article.

In the beginning most backyard koi hobbyists want pretty and healthy koi that get bigger with time and are friendly and that can be your continuing goal even after reading this article.

Then all sorts of things start to happen over time and for this subject they may include things like: my koi don't look as nice as they use to; the loss of color; gotten a lot darker; the white is changing (usually not as nice); have a lot of new little spots (mostly black); not grown much; gotten too big for my pond; are skinny or even fat – so what am I doing wrong?

Well we need to become a little more familiar in three areas - while asking yourself what do you want your koi to do? They are the individual koi purchase, your pond and water quality and finally nutrition.

It all starts with the individual koi purchase which is a very important/vital part of the total hobbyist puzzle. The more you know the more you can expect certain results. Pick a number say \$10/\$100/\$1000/\$10,000 but on your low end you may not need a host of info to get what you want/expect from the koi. However, with more expensive koi, especially if thinking a show koi - well you need to know a lot more in my opinion – breeder, bloodline, past results of offspring that are now older, etc. This is considered the genetic profile. Folks, there are books/videos covering just this subject and make for some interesting reading/viewing. Buyer beware and trust me the more you know about what is expected of a show quality individual koi variety the better quality choices you can expect and the fewer costly investment errors you will experience and I've made several along the way. For me it is a wonderful never ending learning experience that enhances my koi hobby experiences. I recently purchased an inexpensive series of six videos produced by Kodama Koi on reviewing specific koi varieties and what to look for when evaluating a future purchase and I learned new things to look for in each. They remain available through their website. So, I now have for your consideration - What are the wants/expectations in visible terms for a successful Return on Investment. (ROI)? Yes, how long do you want/expect to keep your koi, how big do you want/expect it to get, when do you want or expect it to look its best/what do you want to do with the koi once your ROI has been accomplished???? So you say you have never considered these things – well now may be the time to give it some consideration and what are the things I can do to assist my now established ROI as we move on to the next two important areas.

Water quality is a major area and is not without its direct effects on both growth and color in meeting your expectations established at time of koi purchase. In general soft water is advantageous to the development of red color and lengthens the time for complete color development while hard water is said to advance black color and be to some degree responsible for small black spots (shimi) on your koi and generally reduce the time for finished color development. Koi suffering from stress from a host of water quality issues to include long term minor issues are said to suffer both in growth and color. Studies of higher levels of Total Dissolved Solids (TDS) have demonstrated to reduce growth potential as has oxygen below saturation levels. Or as I like to say “the solution to pollution is dilution” and I do not know who to give credit for the statement, but you have to know the TDS of the replacement water for sure!! Japanese koi breeders have expressed that higher oxygen levels increase koi activity leading to increased food requirements and associated increased growth. Higher Oxidation Reduction Potential (ORP) readings are thought to be too oxidative and present a (possible) negative effect on koi pigment cells

Yes, I finally have made a reference to water that's too pure for koi to even survive when ORP readings exceed 475 mV for more than a few hours and the bacteria in the biochamber also die. Things that increase your ORP reads are the products that remove (oxidizes) dissolved organic carbon like hydrogen peroxide, potassium permanganate (PP), activated carbon and ozone. I have been personally guilty of overusing PP to the point of causing hyperplasia to the gills (burning the gill tissue). I like to call ORP the pollution index – as low ORP readings are a result of increasing organic loads in your pond from a host of things like overfeeding, overcrowding, filtration system not dealing with demand – resulting in poor water quality parameters, low oxygen levels and even high algae growth levels. Finally, studies from the UK have reported higher koi grow rates in soft water conditions. So water conditions should be taken into consideration and maybe modify some of your answers or even koi purchases to the questions presented earlier.

So that leaves us with nutrition, for which there are again books on just this subject, but in general how you have answered the earlier questions should assist you with your feeding plan. Nutrition is obviously directly related to both growth and color but it has been said that when a koi is getting pounded with growth feed components it cannot keep up with color at the same time and that color has to catch up later and sometimes falls short of goal. Your koi goals are of significant importance especially your answer to when you want your koi during their life span to be their best and what you initially purchased. Males are said to finish sooner than females and if your koi purchases are already farther along with color development (very common) then they are going to finish sooner and they may need to be moved along to our club annual auction after just 4 to 6 years. It's been said many a time that no baby champion has ever been a later grand champion. But you decide when your ROI has been accomplished and time to move a koi along. A lot of backyard koi ponds are not large ponds and while koi will still under the right conditions grow large in small ponds it may be desirable to keep growth below the koi's potential and nutrition is a way to do this to some degree. Yes, you need to establish in spring a good estimate of pond total koi mass (weight) and for okay survival feed 1% of total weight; for limited growth and maintain color feed 2% of total weight and for maximum growth and color 3% of total weight. I don't want to complicate this but the aforementioned feeding schedule is for adult koi (say 4/5 years old) and for young koi you double the percentages. When the daily feed amount is divided into several feedings per day growth rates are said to improve. Unfortunately, when you have koi of all sizes in your pond the little ones may not get their fair share of the feed as the big koi quickly scoop up surface food. I think I've observed less of a problem with this when I do my twice a day sinking food feedings (summer time with pond temp at or above 74F).

So with a koi ROI plan coupled with an increased attention to koi knowledge, water quality and nutrition your level of hobby satisfaction will be increased and keep you involved in the hobby while sharing your gained knowledge with fellow club members.

While growth and color are an impossible subject to cover in this basic introductory article, I hope I've tweaked your interest to further explore the subjects and give some consideration to the info as it affects your next beautiful koi purchase and that it exceeds your established ROI. Hope to see you and your koi at our clubs next annual koi show in March 2022 and now is the time to be planning for that event along with seeing you at the next monthly club meeting now that we are trying to get back to some normalcy to our lives. Stay safe and healthy.

r/koi jack

Schedule of General Meetings for 2021

Please note until further notice all covid– guidelines will be followed

Mask required & Social Distance

Contact the host to confirm that you will be attending

Lunches are NOT provided so please pack your OWN lunch

General Meeting June 13th 2021

Dr. Jessica Lynch

11360 Via Rancho San Diego, Unit C

El Cajon, California 92019

**Covid Protocols' to be followed
Bring your own lunch and chairs**

Social Time —12:30 pm

Meeting Starts —1:30 pm

June 13

Jessica Lynch

11360 Via Rancho San Diego “C” El Cajon 92019

July 11

Name phone number location

OPEN

August 8th 2021

Name phone number location

OPEN

September 12th 2021

Name phone number location

OPEN

October 10th 2021

Name phone number location

OPEN

November 14th 2021

Name phone number location

OPEN

December 12th 2021

Nancy & Frank Cannizzaro

11727 Invernes Drive

Tierrasanta CA

Ginger Herlihy

By John Svelan

Photography by

Bill Newell and Phyllis Spoor

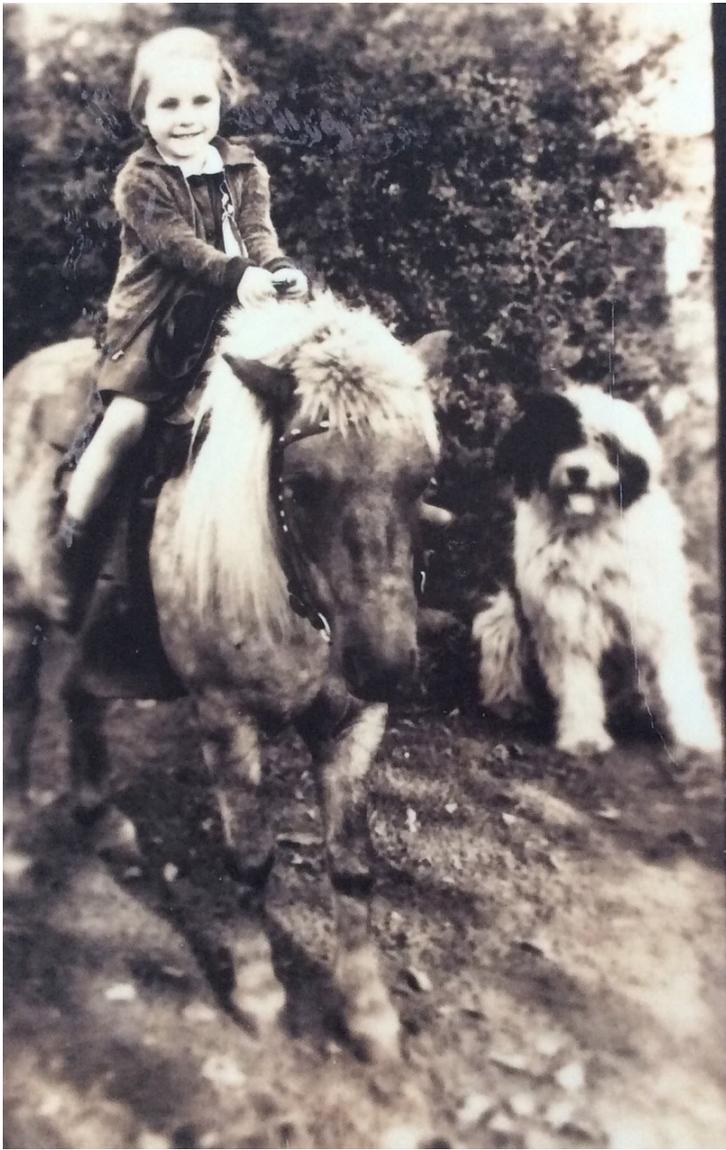
Ginger Herlihy, a founding member of the Koi Club of San Diego, has been an avid koi keeper for over 35 years after joining the club in 1984. Since then, she has entered her beloved fish in countless koi shows and has developed an “Eye” for perfection as evidenced by her many awards and winnings.

Ginger and I have become close koi friends over the past few years and together we were able to upgrade her modest 3,600-gallon pond into something she could really enjoy and be proud of. The first time I visited Ginger’s Pond it was totally brown and very hard to even see the fish. The water quality was borderline at best and the energy guzzling swimming pool pump and sand filter were outdated and really ineffective. In addition, due to the poor mechanical filtration, there was very little biological activity going on so the ammonia and nitrites were consistently high. I suggested that we upgrade the equipment and get a regular scheduled pond maintenance program in place. Ginger agreed and as with most of us on fixed incomes, we needed to make it happen “on a budget”. Who do you call when you’re looking for some good quality used pond equipment? Our buddy Jerry Myers and Vagabond Koi Rescue of course! Jerry hooked Ginger up with a nearly new 4,000 gallon Ultima II Filter complete with media, some 80 watt UV parts and a good used pump (that we later replaced with a new 2 speed William Lim). With the new equipment in place and a few water changes the ammonia and nitrite dropped, the water began to clear up and Ginger could begin to see her beautiful fish once again. Over the next couple of years, we added a skimmer, another bottom drain and large diy bio-chamber gravity filter loaded with Matala and Open Cell Foam. With the increased biological added, the pond turned crystal clear and Ginger had an enjoyable, easy to maintain pond that she could be proud of. It’s amazing what a little upgrade, water changes and a good maintenance regimen can do for a pond.

All good things must come to an end and now it’s time for Ginger to open a new chapter of her life. Earlier this month Ginger, along with her longtime partner John, entered an assisted living facility here in San Diego. She will most likely be selling her house to a stranger, however her beloved fish, thanks to a few kind club members, will be going to good homes. On May 8th Ginger invited club Members Only to come over and she held a modest koi sale. Ginger would like to thank the following members who dropped by to help make it happen: Sponsor Jerry Myers and Vagabond Koi Rescue for bringing all the tubs, bags, nets and other gear, John (me) for coordinating and bagging fish, Phyllis Spoor for taking all the awesome photos and the following generous buyers: Adrianna Cespedes, Steve Ford, Bill and Jennette Newell, Steve McIntosh, Dan Kirby, Dick Long, Ben and Cheryl Adams, Kathy Stewart and Sharon Zillen and Ken Sinclair. After almost 20 fish were purchased Ginger looked into her pond at the end of the day and said “Hey... they didn’t take my really nice favorites!”

When club member Jane Mankin heard of Ginger’s need to find homes for her fish, she contacted her good friend Sarah Marsh-Rebelo, Lifetime Honorary Director of the San Diego Opera and koi enthusiast, to come have a look. Mrs. Rebelo was very impressed with the fish and happy to help out by adopting Ginger’s last 8 fish and contributed a generous donation. When Ginger heard the good news that now all of her beloved koi had found wonderful homes, she was thrilled. Ginger would like to thank all the club members who made this possible. To me, helping deserving club members and their koi is really what the hobby is all about. In the words of Spike Cover, “If you’re not having fun, you’re not doing it right!”

John Svelan
Member, KCSD

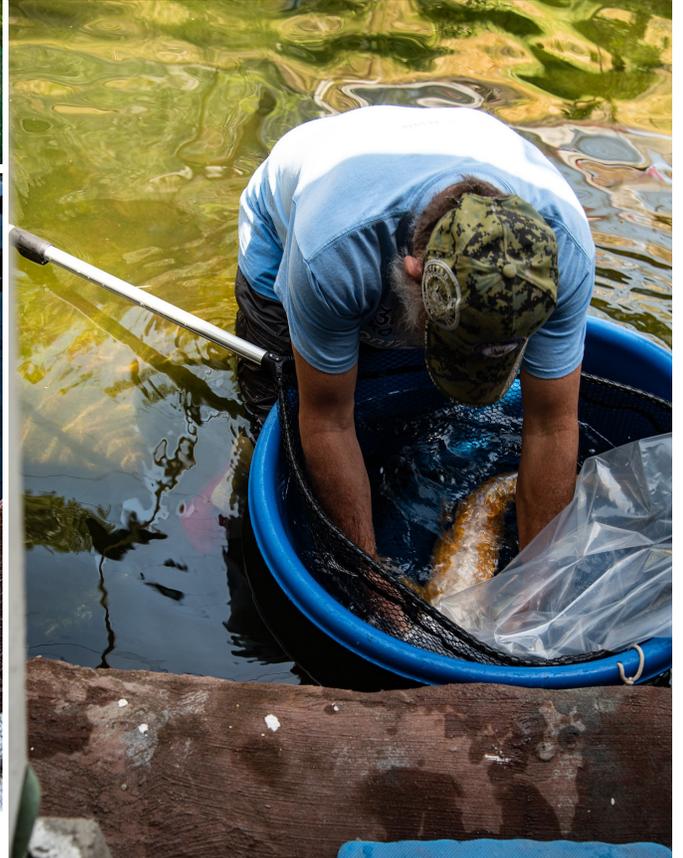


Photos by Bill Newell except the one above.
That one you would need to ask Ginger.



Auction for Ginger

Photos by Phyllis Spoor aka Sparkly Hat (with mask to match)







[If
you
want
to
see
more
click
here](#)



JFG Midweek Early Morning Visit

By Phyllis Spoor

During April I had the opportunity to visit the Japanese Friendship Garden (JFG) at Balboa Park particularly the upper formal Koi Pond. I was there on a Wednesday when the gate first opened. Upon entering, I knew that I was in for a real treat. The weather was nice and “the garden” was virtually empty. I pretty much had the amazing garden and beautiful KOI to myself and my camera.

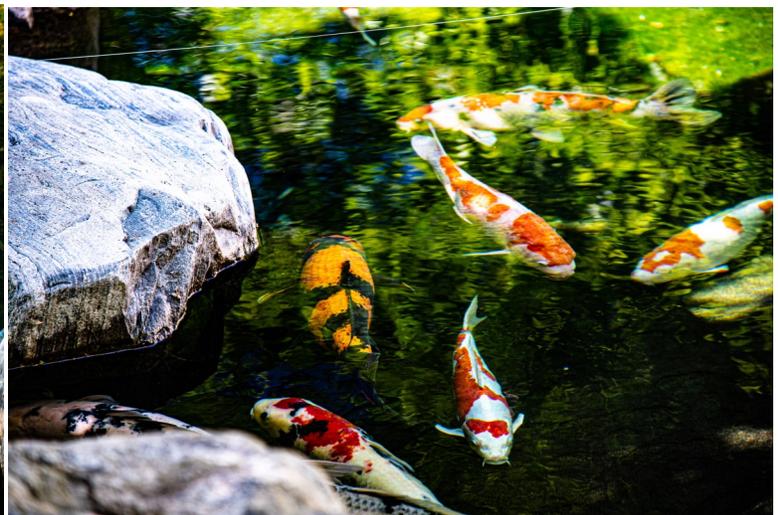
For those of you who are not aware, the upper pond is maintained by members of the Koi Club of San Diego of which I am a proud/happy member. Rain or shine, most Monday mornings, the trio of Linda Pluth, our JFG Club Liaison, “Koi Jack” Chapman, our Club Koi Health Advisor, and Greg Ruth, our club Membership Chairman faithfully step up to maintain the pristine pond and care for the health of its inhabitants. This weekly ritual involves about an hour of ‘dirty work’ cleaning the mechanical portion of the two under deck filters that were designed by another long-time club member, Norm Meck. In addition to the weekly filter maintenance, the JFG pond team observes the health and welfare of the koi. When they have a boo-boo or serious infection, the team may remove the fish and treat them on the spot or if necessary, call in the local “wet vet” to take a look. Both Linda and Jack are Koi Health Advisors and know what to look for. Although the general public have no idea what goes on behind the scenes, I’m sure that they all appreciate the beauty of the koi and tranquility that the koi pond brings to all thanks to our club members.

I would recommend an early weekday morning visit to the Garden. They open at 10am.

If you want to see all the photos click the link

<https://www.ps-s-sparkly-hat-photography.com/Japanese-Friendship-GardenKoi-Pond-42821/>

“AKA” Sparkly Hat





K.O.I. News!

Koi Organisation International

Current Accurate Useful

June 2021

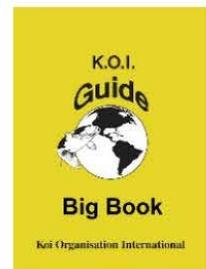
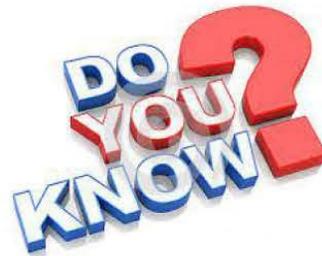
Online "Pondside" Series July 10, Noon EDT

Spike Cover Presenting



"Koi Pond-Water Conservation"
Automated Water Reuse System
Saves Water & Money
Must be a Member to attend Meeting
More info on website:

<https://koiorganisationinternational.org/new-renewal-perks-2021>



HOW TO START A FILTER: With Fish and Without Fish

It's in your GUIDE - Pages entitled: "Filter Starting (cycling)"

Do you know – Nearly every bottle of "Beneficial Bacteria" has NO effect.

Your filter would have started working on exactly the same day if you don't use it! Save your money – learn from K.O.I.!

Become a member – get the Guide!

<https://koiorganisationinternational.org/koi-memberships>

Learn Show Water Quality Tons of Useful Information for taking care of your Koi!

Learn what you need to safely run a show and help your club!

5 Courses Required for Certification:

- 201 Water Quality
- 207 Diagnosis and Treatment
- 310 Transporting Koi
- 503 Show Water Quality and Koi Safety
- 403 INTERNSHIP

Monte McQuade will train Interns at the Atlanta Show – Oct 15-17

Plenty of time NOW to take the other courses and be ready for the Internship in October!

Find Out More:

<https://koiorganisationinternational.org/koi-show-water-quality-specialist-full-details>



TIP OF THE MONTH

Koi Ages

Tosai: Up to 1 Year Old

Nisai: 2 Years Old

Sansai: 3 Years Old

Yonsai: 4 Years Old

Gosai: 5 Years Old

Rokusai: 6 Years Old

Nanasai: 7 Years Old

Hassai: 8 Years Old

Kyusai: 9 Years Old

Jussai: 10 Years Old



Tategoi: Koi that is expected to improve as it ages.

Editors Note

With the recent problems in ponds lately I found this on line. I received permission to reprint it in our Newsletter from Michigan Koi.

The Koi Club of San Diego as a club is not expressing their opinion on using salt or not using salt. This article is just for information only. You as the pond owner, after doing some research should decide for yourself

Salinity in Ponds

FACT: Salt Kills Freshwater Koi and Shuts Down Their Kidneys.

Some disturbing news has been going around that states salt levels above 0.3% are going to cure your Koi if they are all broken out in sores. This is incorrect because salt works by using osmotic pressure and therefore will not kill bacteria that are in the Koi's bloodstream. These bacteria cause diseases.

Salt will also damage your biofilter and cause high ammonia levels.

We have received calls from Koi hobbyists that have ruined their pond, and/or killed their Koi due to over salting. Unfortunately, the salt takes a while (a month to three months) to kill the Koi. Most Koi keepers do not understand these points.

There is a very high success rate with healing and treatment techniques. If you want to save your Koi, please take some time to read and use the proper Koi and Water treatments.

Salting Your Koi? Important information that you need to know:

We have been studying medications and raising Koi for 30 years now, and in the last couple of years... hobbyists started using salt by the ton on their Koi as some kind of new "wonder drug". We would like to explain what happens to freshwater fishes when exposed to high sodium levels over periods of time.

Many Koi keepers that we talk to, tend to think that their Koi have dropsy because the Koi are swollen, they stop eating, and eventually start breaking down with many different secondary infections, due to the high-stress levels that are introduced by using salt.

Some of these infections include:

1. Hemorrhagic Septicemia (red streaks in body and/or fins).
2. Saprolegnia Fungus (white cottony puffs on skin, fins or tail).
3. Pseudomonas Bacteria (Fin and Tail Rot).
4. Aeromonas Bacteria (Sores on the body with ulcerations).
5. Heavy slime covering the fish. The fish produce heavy slime as a defense against the high salt levels.
6. Extreme swelling similar to dropsy.
7. High mortalities, sudden death, and complete tank or pond wipe-outs.

Salt at high levels will also destroy the nitrifying bacteria in your filter, that keeps your tank or pond cycled and ammonia free. So, if you are using salt and notice abnormally high ammonia or nitrite levels in your water... this is the cause.

Osmotic Pressure on Fish:

The use of salt is being promoted mainly by hobbyists in chat rooms that have little or no understanding of fish pathology or osmotic pressure on fish and how this works. This is a case of hobbyists, consulting to hobbyists can be detrimental to the health of your fish.

In the ocean, fish will swim into freshwater to rid themselves of parasites, and then swim back into the ocean. The fish do this only for a few minutes and then return to their natural environment. The reason that the parasites fall off is due to increased osmotic pressure. When you put a marine fish into freshwater, it is like putting a heavy weight on top of the fish. So, this does not mean that this will work for freshwater fish the same way. Salt can be used for external parasites if used properly. Make a 0.3% salt dip and leave the fish in the solution for 3-5 minutes. Return the fish to fresh water. This is stressful for the fish, so care should be taken when using this approach. It is suggested that if you have parasites, to treat the whole pond with the proper parasite treatment. This salt dip will not cure many bacterial diseases that fish carry in their bloodstream, and is no cure-all for fish diseases.

Continued next page

Testing The Salt Theory:

A good way to test the salt theory would be to set up 2 tanks.

- 1.) Salt one tank 1 according to the instructions that were given to you and use a dechlorinator, if you are using tap water.
- 2.) In tank 2, use a nitrifying bacteria (like Pond Support), and a good dechlorinator (like DeChlor & More Dry Concentrate) for your tap water. Do not add any salt to this tank.
- 3.) Go down to your local fish store and purchase a dozen fish of your choice. Tell the fish collector to separate them and put 6 fish in each bag.
- 4.) Get yourself a small note pad, so you can keep a log of events on both tanks. This experiment will take some time (around 2 -3 months) to complete.

So, now let's look at some facts:

Salt is anti-bacterial and anti-viral. This does not mean that it is good for freshwater Koi. You could pour a bottle of BLEACH into your pond, and I could guarantee that it will kill any living pathogen in there, but it would also kill all of your Koi. Get the point?

Salt is toxic to your Koi if used at high levels for long periods of time. It will shut down their kidneys, and that is why so many people have Koi with "pop-eye" or Koi that have the same symptoms as Dropsy. Salt is toxic to humans if ingested in quantity, and high salt levels are toxic to animals. Use some common sense with the information we have provided for you, and remember that if salt was such a great treatment option; we would not need any of the Koi and water treatments.

"These salt treatments are nothing but the Fleecing you with false hope." Would you rather buy a small bottle of medicine that really works, or lose a whole pond full of Koi from overdosing with salt?

Michigan Koi will not put salt in the pond but will use it in our hospital and quarantine facility. We believe the problem with salt year round is you create salt resistant parasites! William W. Risher

When you do use salt, know the correct dosage.

Use this salt calculator: <https://michigankoi.com/Pond-Salinity-Calculator.html>

Here are a few links to get you started

Personally I use salt in my rescue ponds as needed NOT for parasites, as there are better ways to treat them, but for helping them heal a wound or sore. I also use it to counteract the negative effect of high nitrite when I have overloaded the pond from a rescue just to be safe and I do water changes and monitor daily

<https://www.kodamakoifarm.com/benefits-salt-koi-pond-why-should-use-it/>

<https://www.thepondguy.com/product/learning-center-wg-pond-salt-for-pond-health/learning-center-wg-natural-water-treatments>

<https://www.pondexperts.ca/pond-advice-tips/salt-in-the-pond/>

Non-iodized **salt**, Sodium Chloride (NaCl) is the best type of **salt** to use in **ponds** with **koi** and goldfish. It should have no additives, which could adversely affect your fish. Many **water softener salts** contains YPS (Yellow Prussiate of Soda) which acts as a anti-caking agent. YPS is hazardous to fish.

Speed of killers

- 1 White Spot - ick
- 2 Costia
- 3 Chilodonella
- 4 Gill flukes
- 5 Trichodina (if numerous)
- 6 Skin Fluke
- 7 Lice
- 8 Anchor Worms
- 9 Leeches

Oodinium
visible at 200X

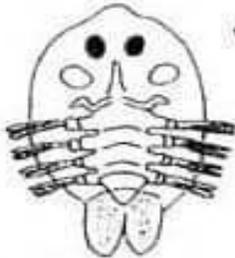


Ick (white spot)
visible at 200x

**Gyrodactylus
Skin Fluke**
visible at 100x



**Argulus
Louse**
visible



APPENDIX FIVE Parasites of the Skin – Stylised Diagrams

commas -turn
inside out

Costia
visible at 300x
- 400x



Chilodonella
visible at 200X
Looks like lemons



Leech
visible

Trichodina
visible at 200x
flying
saucers



**Dactylogyrus
Gill Flukes**
visible at 100x



**Lernaea
Anchorworm**
visible



Adapted from Scott P.W. (1985) in *Manual of Exotic Pets Revised Edition*
(Edited by J.E. Cooper, M.F. Hutchison, O.F. Jackson, R.J. Maurice) B.S.A.V.A. Publications.

This is a link to Mankysanke article on carp pox as well as the home page

http://www.mankysanke.co.uk/html/carp_pox.html

https://www.mankysanke.co.uk/html/good_water_guide_pt_1.html

<http://www.mankysanke.co.uk/index.html>

There is a plethora of great information here. (How's that for a \$5.00 word eh?)

LINKS

Some really *crappy* links, Get it?

These links contain information relating to Koi poop. As with any information on the web be careful on what you take as truth. The KCSD absolves itself of any misinformation on these sites. Remember Knowledge IS power

<https://www.kodamakoifarm.com/koi-sick-health-diagnosis-symptoms-diseases/#:~:text=Feces%2FWaste,your%20koi%20might%20be%20eating.>

<https://allaboutkoi.us/2016/04/22/koi-feces-diagnosis/>

<https://www.koiphen.com/forums/showthread.php?115076-Lets-talk-Koi-poop>

This BTW is a good site to bookmark and join

<https://cafishvet.com/fish-health-disease/stringy-white-fish-poop/>

This site is Dr. Jessie Sanders DVM up north. Check out her site and subscribe to her newsletter. Her specialty is fish

<https://drjohnson.com/changes-in-stool-quality-in-koi-goldfish-and-pondfish/>

This is Dr. Erik Johnson DVM site. He is well know in the fish community and has writen many books on fish and their health.

<https://koi-care.com/koi-diseases-treatments/>



AKCA

[Click to be directed to website](#)

Sure, you know everything there is to know about your pond and koi.

That is right up to the second it all goes south!

Parasites, water parameters, pond or filter issues, WTF (udge) is wrong here?

Ohhh I'll just call someone! Tic toc time is wasting. Fish need help!

Sound familiar? Welllllll take the course and learn what you really know!

John and I, Jerry, have both taken the course and learned quite a bit about our pond and fish.

You owe it to yourself and you koi to learn.

Latamer P Koi



[Click image to view site](#)

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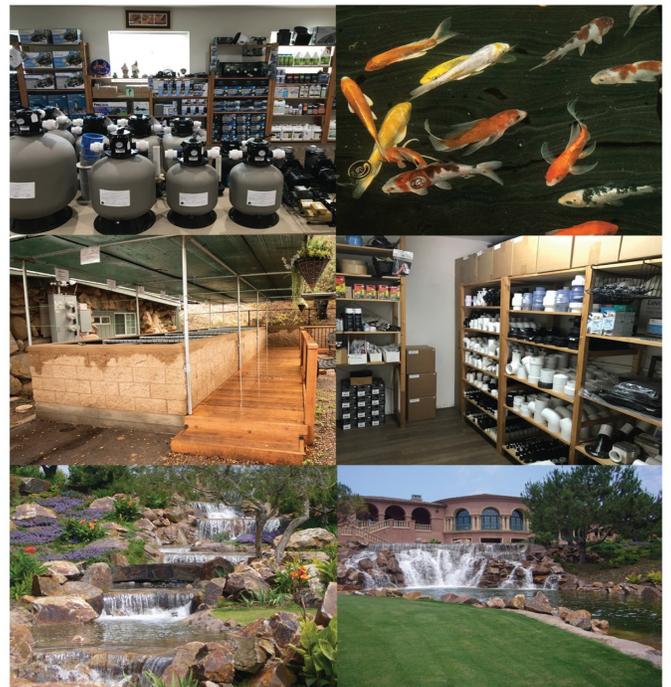
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I have decided to link both the SmugMug accounts of Bill Newell & Phyllis Spoor to the newsletter and the website. Both of our club members take fantastic pictures of everything you can think of all over the world. For Bill's SmugMug click his picture. For Phyllis click her picture.

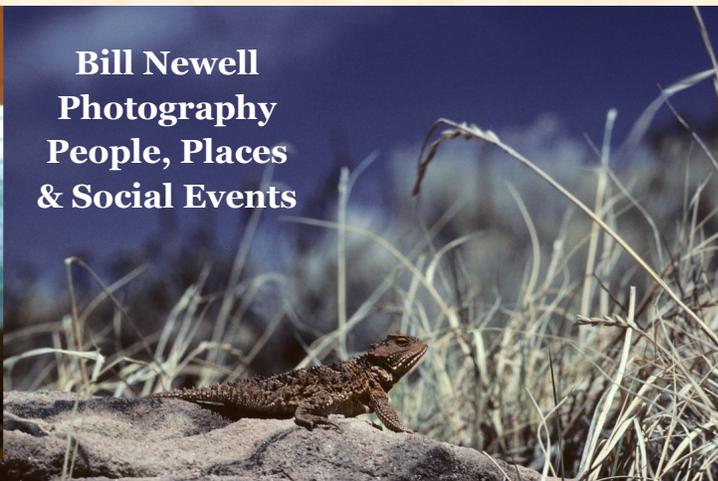


Phyllis Spoor
Sparkley Hat Photography
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Club Special Events

On behalf of the Koi Club of San Diego I want to thank both of **these** extraordinary photographers for their continued effort to capture the spirit of club members during our gatherings. From the Ponder Profiles, to monthly meetings, **Koi Rescues** and special events, **Phyllis Spoor and Bill Newell are always ready at a moments notice and we thank you!**



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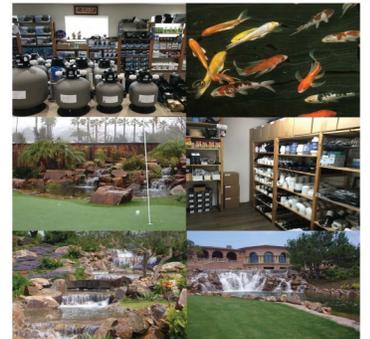


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Sekiguchi:

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Isa:

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Hasegawa:

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