

Rick and Barbara Shook's House
5714 S Whiteoak Ln Hereford AZ 85615
August 26
Education Starts at 3:00

I-10 east to exit 302 (AZ 90) which becomes Buffalo Soldier Trail, South on AZ 92, East on Ramasey Canyon, South on White Oak Lane to Address.

SAKA, Inc Club Officers

<i>President</i>	Bob Panter sakabob@cox.net (520) 747-7278
<i>Vice President</i>	Burt Ballou burtb@socal.rr.com
<i>Secretary</i>	Karen Johnson (520) 400-2073
<i>Treasurer</i>	Dan and Martha Cover mardan79@msn.com (520) 297-4071

Committees/Points of Contact

<i>2013 Pond Tour</i>	
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33rd Koi Show Co-Chairperson(s)	Brent VanKoevering bvankoevering@longrealty.com (520) 780-3980
AKCA Representative	Debby Young debbyt@akca.org (520) 682-7697
Newsletter Editor	Brent VanKoevering bvankoevering@longrealty.com (520) 780-3980
Koi Health Advisor	Noel Shaw koidoc@noelshawdc.com (520) 400-0335
Membership Chairperson	Faye Hall (520) 297-1253
Education Committee	TBD

Editor's Note: Articles published herein are intended for the enjoyment of all and come from a variety of sources. The articles are not intended to replace veterinary advice. Pond owners, and not the club, are responsible for the health of their koi, water changes, what to do, and how to treat their pond. Reasonable effort is made to review these articles for accuracy before including them in the newsletter.

SAKA, Inc 10% Discount

With your SAKA, Inc Membership Card at:

Boyd Equipment Center
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(520) 792-2244 or
1 (800) 844-2244

Mountain View Koi Fish & Aquatic Plants
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Hereford, AZ 85615
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Oasis Tropical Fish
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(520) 408-9700

Patty's Water Plants
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E. Benson Highway, Tucson AZ
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Club Meetings

Hosting Meetings: For those wishing to host an upcoming business/education meeting, the club will reimburse the host up to \$50 (with receipts) toward food/beverage for the meeting. **We would like to see your pond!** Please contact Bob Panter or Brent VanKoevering if you are interested in hosting a meeting.

Club Announcements

Business Meeting Minutes

Koi Meeting Minutes

Aug. 26, 2012

Dave Young calls meeting to order.

Asks if there are any pond issues to share.

Only fish catching stories.

Rules meeting: No problem any more.

Show issues: We need SAKA stencil to ID our club items.

Show expenses, none at this time.

El Parador is set for the banquet.

We have 3 vendors so far.

Poly Tank / 26 tanks they require one vendor space free.

Clarify tank situation with the Phoenix club.

Martha Cover suggests that after this next show we organize and coordinate the tanks. Making sure there is nothing under any tank. Also that which tanks to keep regarding the ones with bulkheads or not.

Membership is at 34 right now. With 7 paying dues.

Treasurers report: Checking \$10,690.14

Savings \$5,200.30

Featured Articles

Pond Maintenance

- One of the major causes of fish diseases is lack of pond maintenance. Organic buildup in the bottom of the pond decays and produces hydrogen sulfide, which is very toxic to fish.
- A mechanical pond filter should be cleaned as often as necessary to maintain good water quality.
- Many ponds do not have a mechanical filter. Absence of a mechanical filter results in high pond maintenance and distress to fish. A mechanical filter drawing water from a bottom drain is essential to fish health and to pond bottom cleanliness.
- Pond pumps and filters should operate continually except for short down periods for maintenance. Running continually is necessary to keep a good supply of oxygen to the bio-converter bacteria, and to continue removing solids and chemicals from pond water faster than they develop.
- An Ultra Violet (UV) light emits a specific band of wavelength primarily used to control the formation of single cell algae. The UV, if used at the proper size, will kill (green water) algae, which will then clump together and can be filtered out. Your pond should not have green water problems as long as the UV is properly sized and maintained. UV light tubes should be replaced yearly.
- Pond owners hate to see green water because it is unsightly and we cannot see the fish, but koi thrive in green water.
- Ideally, the higher the stocking density of koi, the faster the water turn over rate should be. The faster the turn over rate, the faster the impurities will be removed and the more oxygen will be dissolved into the water.

- In general, a pond owner should make a 10% water change weekly. As water evaporates, solids build up in the water and can only be removed through water changes. Don't forget to use dechlorinator when making water changes.
- When cleaning the bio-converter media, flush it off with pond water. Do not use city tap water since it contains chlorine, which will kill your beneficial bacteria on contact.

Don Harrawood

KHA

KOI Classifications

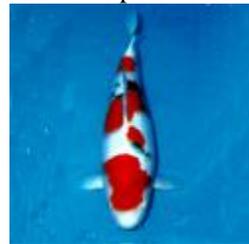
Koi are fish. They were originally bred from the common grass carp. Early in the 1800's, the Japanese noticed a red color appearing on some fish. By concentrating on these fish, the first Kohaku (red & white koi) was developed. Today, there are 13 official classifications of Koi. Each classification is based on color, pattern and/or scale type.

..Kohaku

A Kohaku has a white body with red patterns. There are many terms used to describe each pattern. "Nidan Kohaku" refers to a pattern with two red spots. Ni meaning two in Japanese. Thus 'Sandan' is three spots, 'Yodan' is four spots and 'Godan' is five spots.

..Taisho Sanke

A 'Sanke' is a three colored koi - white body, red and black accents. The word "Taisho" refers to the era of the Emperor Taisho. Showa



Sanshoku

..Showa Sanshoku

The 'Showa' is also a three coloured koi. But this time the body is black and the accent colours are red and white.



..Utsuri Mono

An 'Utsuri' is a black koi with white (shiro), yellow (ki) or red (hi) accents. 'Utsuri' means reflection in Japanese.



..Hikari Mono

'Hikari' means metallic and 'muji' means solid color. This fish has one body colour of white (platinum), yellow (yamibuki), orange (orenji), gray (nezu) and a metallic sheen.



..Kawarimono

This group refers to any non metallic fish not found under any other classification. The picture shown is a 'Goshiki'. Other varieties include 'Karasu' a solid black koi. 'Kumonryu' a black and white doitsu scaled koi. 'Matsuba' a koi of any colour with the center of every scale shaded black, like a pine cone. 'Ki Goi' a solid yellow koi, not metallic.



..Asagi/Shusui

An Asagi has blue scales outlined by white and a red belly. A Shusui is a doitsu scaled koi with a light blue body and a red belly. Shown here is a Shusui.



..Bekko

'Bekko' means tortoise shell. Bekkos have a body color of either white (shiro), red (aka), or yellow (ki) with black spots on the body with the exception of the head. The head must only have the body color present.



..Goromo

'Goromo' means robed. This fish is white with the individual scales in the red pattern outlined in dark blue.



..Hikari Moyo Mono

'Hikari' means metallic, 'Moyo' means pattern and 'Mono' means group or thing



..Hikari Utsuri

This class includes all metallic fish not included in the two other metallic classifications.



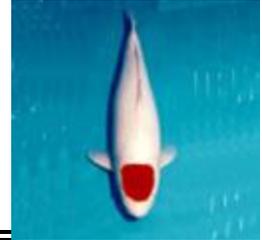
..Gin Rin

'Rin' means diamonds. Koi in this class appear to have rows of diamonds on their dorsals.



..Tancho

'Tancho' is the national bird of Japan. It is a white bird with a red crested head. Needless to say, this fish has a single red spot on its head.



Catching and Transporting Koi

Use a Koi Net. Other nets have larger holes in the netting. This may make it easier to move the net through the water, but Koi's gills can get damaged in the holes, their scales can be dislodged and the slime coat can be rubbed off.

Have everything ready by the pond:

Nets	Bags	Boxes
Rubber bands	O2	Dolly
Medications	towels	floator or tub

Use two people if at all possible. Remove all jewelry, even waterproof watches. You will get wet, dress accordingly.

If transporting - prepare "double" bags. Have rubber bands readily available – on your wrist or in your pocket. Determine which person will bag the fish and which person will be the main catcher. Place the bags/boxes/O2 near the bagger person.

Move the net slowly toward the fish. Anticipate his moves. Scoop up the fish. Do not squish the fish between the net and the side of the pond.

Do not remove the net with the fish all the way out of the water. Partially submerge the tub/floator. Tip the net so that the fish swims into the tub/floator. Remove some of the water from the tub so that the fish is only ½ covered by water, more water will allow smaller fish to jump out of the tub.

If transporting - put a small amount of water in the double bag. Using the bag, scoop up the fish from the tub. Now that the fish is in the bag, you may need to add more water to the bag. Only cover the fish ½ way up the body. Remember that water weights 8.4 lbs per gallon, so 5 gallons is 42 lbs.

Place the bagged fish in the box, laying the bag on its side. Add, tranquil, Amquel and Nova Auqa to help keep the fish calm and the water good. Straighten the bags to remove wrinkles that could possibly trap a fish or air. Flatten the bag to squeeze out the air. Peel back the open end of the outer bag and then grasp the inner bag's opening. Insert the O2 nipple and fill. Twist the inner bag closed and secure with two rubber bands. Then twist

the outer bag's opening and secure with a rubber band. If the weather is really hot, you might want to add an ice pack.

Close the box. If you cannot get the box totally closed, be sure to cover the box with a towel. Koi travel better in the dark.

Move the boxes of koi to your vehicle. Load the fish so that the box is perpendicular with the movement of the car.

Do not leave the fish in the car any longer than you have to. Although koi can travel this way for almost 48 hours, it is stressful and the water quality is degrading.

Remember; do not leave the car in the sun with the fish inside.

Upon arrive at your destination; float the bag for 15 to 30 minutes to equalize the bag water temperature to the new water temperature. Do not open the bag during this acclimation. When you are ready to release the fish, do not add pond water to the bag and do not let the bag water get into the pond.

Kawarigoi Korner



[Click Here](#) to see new items for sale on the SAKA Website.

From Aric Shook:

Rick and Barbara Shook of AAA KOI, PONDS AND FISH WILL HOST SEPT. MEETING..Everyone that comes will re-ceive a free pond plant of there choice from the green house. Also will receive a small koi from a tank set up .Your choice, first come first served. enchiladas will be served for lunch. After lunch there will be a raffle for a Matsukawa bakke donated from Blackwater koi in Florida. {domestic] The pond is clear this year!

If you have suggestions for the newsletter or items to be included in Karawagoi Corner or the Calendar, Please contact Brent VanKoeving at 520.780.3980 or bvankoeving@longrealty.com.

Upcoming SAKA Education and Business Meetings

Date	Location
September 23	Rick Shook
October 28	John and LaDoris Goudy
November	No Meeting. See you at the show
December	Vern and Barbara Philips

Shows, Pond Tours and Seminars

Event	Dates/Location/Links
33 rd Annual SAKA Koi Show, Auction and Vendor Fair	November 9-11 Sam Lena Park Country Club and Ajo



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<http://www.sakoia.org>
 Annual Membership

Dues are \$30.00 per family from March 1 to February 28 or 29 of the next year.

Membership Type

_____ Renewal
 _____ New Member

Name: _____

Address: _____

City: _____

State: _____

Zip: _____

Phone #: _____

E-mail _____

Today's Date: _____

of Koi _____

Years Keeping Koi: _____

Pond size: _____

Would you like to host a meeting?

Would you like to serve on a committee?

_____ If yes which one?

Make Checks payable to: SAKA, Inc.

Mail to: Martha and Dan Cover
 2841 W. Puccini Place
 Tucson, AZ 85741