

Mountain View Koi, Hereford, AZ, July 25th

Meeting begins at noon.



4905 N Via Entrada
Tucson, AZ 85718
Address Service Requested

Curt and Lisa Ogren
3828 Keeling Rd Hereford
Phone: (520) 378-3710



Mountain View Koi, Hereford, AZ, July 25th

3828 E Keeling

Meeting begins at noon.

Take I-10 East from Tucson
Take exit **302** for **AZ-90** toward **Sierra Vista**
Turn **right** at **S Hwy-90/AZ-90** (signs for **Sierra Vista**)
Continue to follow AZ-90
Continue on **N Garden Ave**
Continue on **Buffalo Soldier Trail**
Turn **right** at **S Hwy-92/S AZ-92**
Turn **right** at **E Keeling Rd** to **3828 E Keeling**

Important Notices: Please contact Brent VanKoevinger at 780-3980 or Bob Panter if you are interested in hosting a meeting.

Going forward the newsletter will be distributed via e-mail only, unless requested otherwise. If you do not presently get the newsletter electronically, or if you wish to continue receiving it via snail mail, you must contact Brent VanKoevinger at 780-3980 or bvankoevinger@longrealty.com.

SAKA, Inc Club Officers

President	Bob Panter sakabob@yahoo.com (520) 747-7278
Vice President	David Young koiman@mindspring.com (520) 682-7697
Secretary	Lynn Riley (520) 825-9066
Treasurer	Dan and Martha Cover mardan79@msn.com (520) 297-4071

Committees/Points of Contact

2010 Pond Tour	Jeanmarie Schiller Tucsonpondtour@yahoo.com (520) 299-1876
31st Koi Show Co-Chairperson(s)	Bob Panter and Jeanmarie Schiller
AKCA Representative	Debby Young debbyt@akca.org (520) 682-7697
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Librarian	Jeanmarie Schiller crankyjean@msn.com (520) 299-1876

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.

Boy do the months fly by! We are about to experience another Koi Club meeting. This is our annual potluck at Mountain View Koi. I hope all can attend. The meeting will be short and the fun and food will be plentiful. Thank you Curt and Lisa for having us all.

The hot weather is here to stay for a while, so please check your water quality. Your koi and other aquatic life will love you. Keep your pond healthy.

Do you know someone who has koi and is not a member of our club? Well let them know that our meetings are open to non-members who would like to see if they would like to belong to a club and learn more about koi and taking care of them. We would love to have them, so invite them to stop by.

Next up Koi Show 2010. How about that? Come one come all to the greatest Koi show on earth. Invite your neighbors and friends and any one else you can think of. Our Show is the second weekend in November. The real fun begins on Friday, set up time. Then on Saturday the judging begins. Is your koi the next Grand Champion? Enter your Koi and have fun. Watch everyone walk around and eye all the koi with awe, the size the shape the color. How big, how old, how long do they live, what do they eat and how do I start to raise them? Oh! What fun we will have.

For the love of Koi,

Bob Panter, President SAKA, Inc.

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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 if you are interested in hosting a meeting.

Club Announcements

May Business Meeting Minutes

Date& Location: June 27, 2010, at Karen Wilson's in Green Valley, AZ

Call to Order: Meeting called to order by Dave Young at 4:11 PM.

Minutes: Motion made to accept and second the May 2010 Minutes as read.

Number of members in attendance: 22 members.

Treasurer's Report: Current checking account balance: \$8875.64. Martha Cover reported that we received an insurance check in the amount of \$594.67 for the repairs on the damaged trailer. Our current membership is at 44 members.

AKCA: No report.

Correspondence: No correspondence.

2010 Show and Auction Committee: Everything is going forward and the Club is working on getting the Judges for November 13th and 14th.

Old Business: Dave Young reported finding koi show tanks for less than \$1000. This is being researched for purchase. Jean-Marie reminded everyone about the SAKA lending library.

New Business: Martha Cover is getting some more paperwork back to the government offices for the Club's non-profit status. Tom Ayres asked the Club to re-order the "Friends of Koi" awards. The Club voted and agreed on re-ordering the awards. Jean-Marie has received koi banners from Japan for the Club's use. They are free – they would just like to have pictures of us using them. The flag's were accepted unanimously.

Adjournment: The meeting adjourned at 4:43 PM.

Educational Talk: Dave Young led a discussion on the care of koi and their ponds.

Lynn Riley
Secretary

Featured Articles

Know Your Koi - Outside

By Bertrelle Caswell

reprinted from akca.org

It has been said that to become a successful koikeeper, one must learn to think like a koi. It might be easier to learn to think like a koi if one knew exactly how a koi is put together. This article proposes to illustrate "what goes where" (without the need for you to perform necropsies), and to standardize communication with correct scientific terminology.

Cyprinus carpio, a large, soft-finned freshwater fish has, through centuries of cross-breeding and in-breeding of mutations, become our beloved koi. Koi have an elegant simplicity of shape and healthy ones are fitted out with a physical structure and organs that are admirably suited to their water way of life.

The length of a koi, as used by a hobbyist, is the measurement from the tip of the nose to the end of the tail - the total length. Length is the most commonly used measurement: there are expected increments at certain ages; it is a factor in pricing and purchasing, and it determines size categories at shows.

Koi have been bred to have less body depth than natural carp. Depth is not as noticeable as length because of the swimming position. It is not critical as long as the fish is generally in proportion, although females usually have more depth than males, especially when laden with roe.

Slicing through the body vertically, there are three basic divisions: the head region, trunk region, and caudal region. Horizontally, the upper portion is the dorsal area, and below the lateral line, the body is called the ventral area. The lateral line is present in all fish. It is difficult to see it on a fully scaled fish, but is quite evident on a kawa (leather) koi. The lateral line is a richly endowed receptor of energy waves created in water medium by sound and motion. Koi quickly discern the frequencies produced by their master's voice (or any sound used to call them to food). The lateral line is very sensitive, even to minor variations, and loud noises institute immediate protective/evasive action. Although koi have no ears per se their "hearing" is exceptionally keen. They have a wider range (especially in the lower range) than most fish.

The pectoral and pelvic fins of the koi occur in symmetrical pairs: the dorsal, anal, and caudal fins are single. All the fins are divided by rays, the fine supporting segments that appear as pattern. The pectoral fins are multipurpose fins, used for retrograde swimming, balance and position: they revolve in a wide arc and enable the fish to turn with agility. The leading spine has a tendency to be more highly developed in the male than the female, the heavier, straighter support helping to form a more pointed fin in the male than is usual in the female. Both the pectorals and the dorsal fin are used in quick stops. The muscles ending in the caudal peduncle provide most of the propellant power: the mobility and maneuverability of the caudal fin helps provide control of direction.

The head of a koi distinguishes it from any other fish: the differences may be minimal, but they add up to a distinctive shape. The mouth of a koi is one identifying feature: the position of the pre-maxilla and maxilla is one of the features that makes a koi head easy to recognize. Most koi have one noticeable pair of barbels with a second, vestigial pair directly above. However, they may have one, two or three pairs of well-developed barbels. The barbels are extremely sensitive sensory organs, both to touch and to chemicals.

There is an appeal in koi eyes that goes far beyond the physical description of them. They are placed relatively low on the fish's head, which facilitates bottom finding. As in human eyes, only a small portion of them is visible from the outside. Usually small and black, but with a fair amount of mobility of the ball within a non-closing circular lid, a smart koi makes, and holds, eye contact with human beings (which makes willing slaves out of most of us!)

The operculum is commonly referred to as the "gill plate". It is an expansile cover to accommodate the function of the gills, but should adhere closely to the head when at rest position.

The anus is the excretory opening. In adult koi, a slight variation in shape is considered in determining sex: the female tends to be round, and the male to an elongated triangle.

Scales, whether they are the small regular ones or the generally larger Doitsu, are important in koi. They may cover the entire body, or as in Doitsu, certain portions, or be scaleless. Doitsu may have scales over the entire dorsal area (Yoroi or Armor), have parallel rows at the base of the dorsal fin and along the lateral line (Kagami or Mirror), or none (Kawa or leather).

Much of the beauty of these fish results from the uniformity of scale growth pattern interacting with the scale's pigment content. The cells which contain color pigment are called chromatophores. Three kinds of chromatophores are responsible for the colors of koi:

- Erythrophores: contain red or orange pigment granules;
- Melanophores: contain the black pigment melanin;
- Xyanthophores: contain yellow pigment granules.

Shiny, metallic koi have iridocytes, cells which contain crystalline guanin, a reflective substance which usually appears silver. The crystalline guanin may be distributed evenly in both the epidennal layer and the scales, or iridocytes may concentrate in a particular area.

The total exterior of koi is covered by a protective mucal coating, slippery to the hand when healthy and intact. Although not visible to the eye when the fish is in water, it performs a germicidal function, and is a necessary feature of the outside of koi.

So You Want To Build A Pond/ Can We Laugh?

by David Hester

You always wanted a pond and finally you decide to do-it-yourself and save money. You start by mapping out the pond location in the backyard. You drive stakes to mark the pond outline; the first stake punctures the underground sprinkler line. (Repair line and mark location of other underground lines: \$200.00)

Get shovel and rake from garage, start digging; your shovel breaks (handle is rotten from lack of use). You turn around and head for the garage to get another shovel and you step on the rake, handle flies up, hits your face. You pick up the rake, show it who's boss by throwing it across the yard. The rake smashes out the garage window. (Emergency room charges for the nose X-ray: \$500.00; window repair: \$30.00, new shovel: \$9.99)

You now make the decision to rent a back hoe to make up for lost time. (backhoe rental \$400.00) You dig through the water line to the neighbors house. (repair water line \$600.00) You relocate the pond, start digging with the back hoe, swing the bucket and take out an 8 foot section of the other neighbor's fence. (repair fence: \$200.00) Resume digging, but maybe the this area should be a little wider. You dig through the cable TV line to everyone's house. (repair cable TV line: \$450.00, takes two days, movie rentals for neighbors: \$100.00)

With the digging finished, you drive to the dealer to pickup the liner, pump and other neat stuff. On the way home, it starts to rain. You spend the next three days looking out the window. You watch TV and find videos you forgot to return. (pond stuff: \$500.00; late charges on videos: \$22.00) The rain stops and you go to buy a sump pump (\$199.00) to pump out the hole. The wife comes out and tells you that dinner is ready, you yell back "Can't, you see I'm busy....hold mine for later." After a while, you feel guilty and since the pump is running okay, you go inside to eat. The wife and kids are finished and the wife informs you that yours is in the kitchen. In the kitchen, you find a paper plate, plastic fork, a can of tuna fish and a can opener. The cat feels sorry for you and joins you for dinner

. Finished dinner, you go back outside and discover Old Faithful coming from the pump. You reattach the hose and start the pump, but this time the hose comes off. You search for the blockage and find a knot tied in the end of the hose. Glancing over the fence, you see the neighbor standing in muddy water grilling steaks. You reroute the hose in the basement window and into the laundry room and down the drain. Your now ready to continue pumping out the hole. Your wife begins screaming uncontrollably. You run into the house, through the basement door, slip and fall face first into four inches of muddy water. (second nose X-ray: \$500.00, cleaning service: \$650.00) The liner, bottom drains and skimmer install without a hitch. A fireman friend brings a tanker by and fills the pond for you. To top it off, you lay the garden hose in the pond and turn on the water.

While you are standing there, you notice all kinds of wiggly things in the water. A pond friend tells you to put 100 pounds of salt in the water to kill the wiggly things and to stop algae from growing. (salt: \$50.00)

You decide to quit early and wash the wife's car. You unhook the hose from the bib and get the other hose to wash the car. The wife is happy with the clean car and dinner is good.

The next morning you wake up to discover the hose has siphoned all of the water out of the pond. As you glance over the fence at the water all over the neighbor's yard, you smile. The neighbor is on vacation. You refill the pond and then take the pickup truck to the quarry to buy some stones for the edging. Cheaper by the ton, so you fill up the truck. On the way home, you slam on the brakes for a squirrel crossing the road. One of the stones smashes through the back window, bounces off of the seat and goes through the floorboard. Hey, it's an old truck, no big deal. At home you unload and go back for another load. This time you break a rear axle in a pot hole. You must tow the truck home, unload it and then tow it to the dealer. (stone:\$200.00, towing: \$150.00) While you are waiting for the repair estimate, you walk into the showroom. Just looking. Get the estimate and leave the dealer with a new extended cab, 1-ton, 4-wheel drive pickup with optional roll bar, bed liner and window guard. (pickup: \$28,000.00) You explain to your wife how handy it will be when you build the water fall, not to mention those heavy cases of tuna. The neighbor gets back from vacation and comes over to talk. He watches you lay the stone. He asks if it rained while he was gone, you say no. He tells you how strange it is that only the plants in his back yard have died. You smile and invite him to a cookout you're having next weekend to show off the finished pond.

At the cookout, everyone is impressed with the pond. The neighbors and your wife have forgiven you and wish you well. (cost of food and beer: \$375.00) Feeling very proud of yourself, you propose a toast to your wife and thank everyone for being understanding. Next, you announce the plans for the five level waterfall.

You come home from work the next day and notice the houses on both sides and behind yours are up for sale. You then use your new pickup to get the stone for the waterfall. (pot hole is fixed, stone: \$300.00)

A few weeks later, as you're putting the finishing touches on the waterfall, your new neighbor comes over and admires your pond. He tells you how he has always wanted one and asks your help. You give him the phone number of a club member who owns a landscape business. You best advice is to get an estimate, it might be cheaper than he thinks. Next weekend you stop by the neighbor's. The estimate for the pond is \$5,815.99. He is sure he could do it cheaper if he only had a pickup truck like mine. You offer to sell him the pickup for what you owe. Later that evening, with your wife, you discuss putting the house up for sale.

Kawarigoi Korner



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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
July 25, 2010	Host: Mountain View Koi
August 22, 2010	Host: Rick Shook

September 26, 2010	Host: Bob and Darleen Panter
October 24, 2010	Host: Rich Timerhoff
November	No Meeting See you at the Show
December	Host: Open

Shows, Pond Tours and Seminars

Event	Dates/Location/Links
  31st Annual SAKA, Inc. Koi Show and Auction	November 12-14, 2010



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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.

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_____ Renewal
 _____ New Member

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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