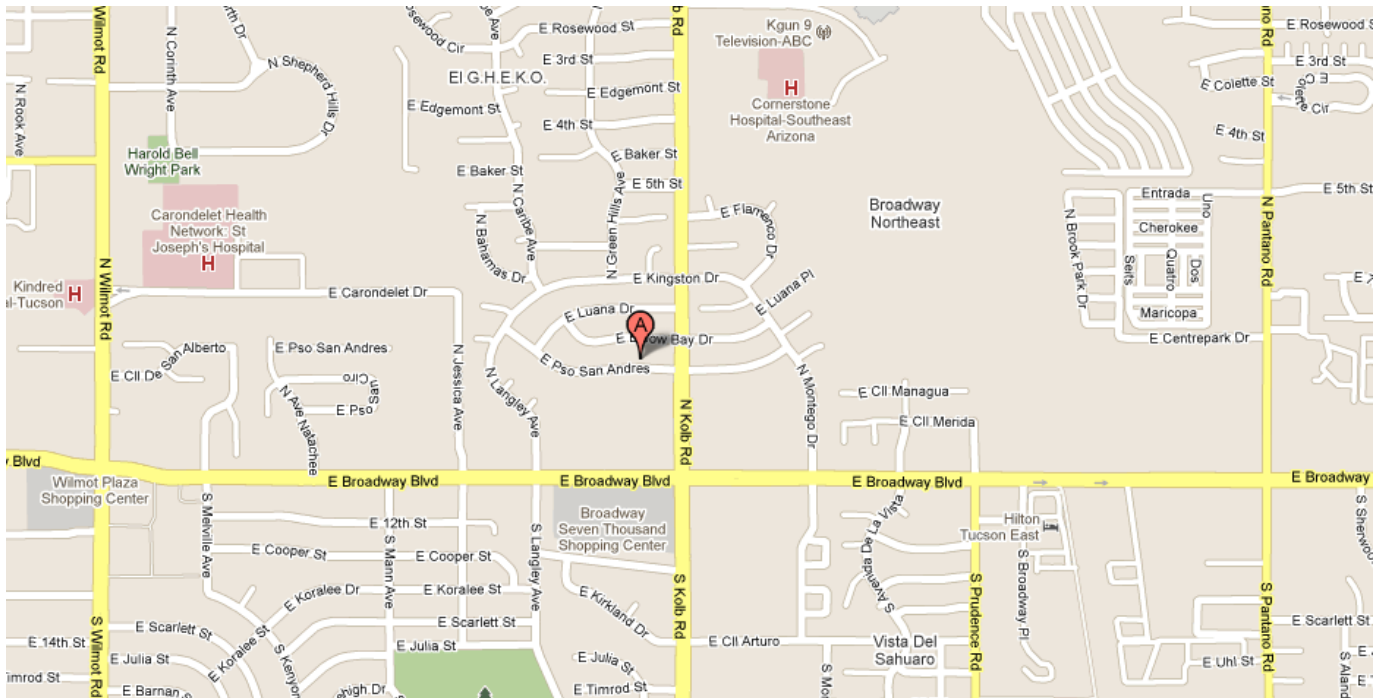


Casey Case's Pond

March 27, 2011, 3:00.



4905 N Via Entrada
Tucson, AZ 85718
Address Service Requested



Casey Case's Pond

7033 E Paseo San Andres

886-7211

March 27, 2011, 3:00.

From Broadway, North on Kolb, West on Paseo San Andres to address.

Please contact Brent VanKoevinger at 780-3980 or Bob Panter if you are interested in hosting a meeting. Membership dues are past due. Please send them to Martha Cover, if you have not already. Or you can pay at the meeting.

Martha Cover
2841 W Puccini
Tucson, AZ 85741

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
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
Raffle Chairpersons	Jeanmarie Schiller crankyjean@msn.com (520) 299-1876
Education Committee	Erin Riley eriley@aol.com (520) 818-6490
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.

Presidents Corner

3-10-11

Come one come all the Pima County Fair is just around the corner. We have a couple of members signed up to help out at the fair. We do need more. Please give a hand. We have the opportunity to present our Association to all kinds of people. The kids are our main thrust. Just one child and you can move mountains.

So come on and help our Association become a household word. It doesn't take much just Kids and the Wonderful World of Koi. See you at the Fair, April 4th to the 24th, 2011.

Well it seems like spring sprang and summer is coming on rather quickly. Check your koi each time you go outside to see them. See how they are swimming, how hungry they are and the water temp. All these things can tell you a lot about your koi and pond. With the heat rising as fast as it is check your fish often. You will be glad you did.

I do hope everyone is having fun at our meetings. We try to make them interesting and informative as possible. If any of you have ideas please let us know so we can incorporate them in our meetings, and share your ideas so we may learn and grow.

Pond Tour 2011 is coming to a backyard real soon. Stay tuned for more info to come in the near future. This will be the tour of tours. Please don't miss it.

For the love of Koi,

Bob Panter, President SAKA, Inc.

SAKA, Inc 10% Discount

With your SAKA, Inc Membership Card at:

Boyd Equipment Center

3625 S Country Club Road
Tucson, AZ
(520) 792-2244 or
1 (800) 844-2244

Mountain View Koi Fish & Aquatic Plants

3828 E. Keeling Road
Hereford, AZ 85615
(520) 378-3710

Oasis Tropical Fish

3865 N. Oracle
Tucson, AZ
(520) 408-9700

Patty's Water Plants

By Appt Only
E. Benson Highway, Tucson AZ
(520) 294-0748

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

February Business Meeting Minutes

Minutes from February 27, 2011 SAKA Meeting as prepared by Jeanmarie Schiller-McGinnis in the absence of Lynn Riley, secretary:

Bob Panter called the meeting to order in the home of Joay Atkinson at approximately 3:20pm. Several new members and guests were welcomed.

Minutes from last meeting were approved.

No correspondence received or discussed.

Treasurer's Report by Martha Cover: Checking and savings account balances total \$11,692.51

AKCA Report by Debbie Young: Stressed importance of quarantining new koi, especially after new findings by Dr. Jin, chief investigator for the AKCA-Project KHV study, that koi which harbor latent KHV virus may spawn and produce KHV+ offspring. Also, reported on the cancellation of the national seminar; however that a business meeting and wet lab will still be held in Orange County on June 25-26, 2011 instead. Also, that AKCA officers will be elected next month and that the show winner from our club's koi show has been entered into AKCA Koi of the Year competition.

Pond Tour Report by Jeanmarie Schiller-McGinnis : Pond Tour will be May 14-15, 2011. Several ponds were cancelled due to the recent freeze. We are in need of ponds and volunteers for the tour. Interested members please contact Jeanmarie for info.

Nomination Committee Report by Craig Warren: No one was nominated to run for Secretary and Vice President. Current office holders, Dave Young and Lynn Riley, agreed to another term.

Budget Committee Report by Debbie Young: All submitted budgets were approved. A copy of the club's annual budget will be included in the newsletter.

Old Business: Pima County Fair takes place April 14-24, 2011 and the club has been invited to display koi again. Volunteers are needed to man the information table and will get free admission and parking for the days they are there. Interested members may contact Bob for schedule.

New Business: The club would like to thank Kathy and Dennis Leonard for a donation of several koi and pond-related books to the SAKA library. The creation of a club photo album of members' ponds was proposed.

Dave Young spoke about the San Diego Koi Show and held a koi quiz with the winners receiving bags of koi food donated by Ultra Balance. Also, reported that the Phoenix Koi Show will be held at Margaret Hance Park on April 1-2, 2011.

Meeting was adjourned at approximately 4:45pm

Critical Temperatures

These are the changes that take place in your pond as the water temperature rises for spring:

40° Biological filtration not yet established. No bad elements to be concerned about.

48° Aeromonas bacteria (ulcer disease) begins to develop.

50° Danger Zone Begins... Cold-water parasite "Costia" thrives! Flukes begin to grow and reproduce (slower than in warmer temperatures).

52° Nitrobacter (the good bacteria that converts ammonia to nitrites) is slowing growing. Treatment: Start using Koizyme to fight Aeromonas bacteria

60° Nitrosomonas (the good bacteria that converts nitrites to nitrates) begins to grow. Fish's immunity system wakes up but not fully developed.

62° Other parasites (such as trichodina, chilodinella and ich) thrive!

65° Danger Zone Ends... Immunity system on fish is kicking in, still not 100%.

74° Past the danger zone - All good bacteria "bios" are fully active. Fish immunity system is fully developed

Increasing Your Present Pond Size

If you are planning to increase the size of your liner pond, here are some suggestions that you may want to consider:

- Dig your pond before trying to select the liner size.
 - Buy a new larger liner instead of trying to splice two liners together.
- Calculate liner size to include at least 24 inches excess liner in all directions. This leaves an excess of 12” on all four sides of the pond.
- When buying a new liner, consider the 0.045” thick EPDM rubber liner only. This material is the very best and is warranted against deterioration for 20 years.
- Make your new pond at least 3 feet deep in some area to help protect your koi from predators.
- While modifying your pond, you may want to put your fish in a large tank for survival until the new pond is finished. A six or eight foot diameter child’s above ground plastic swimming pool provides an economical choice. Here are some suggestions after setting up a tank:
 - Put some of your old pond water in the tank to start.
 - Place a net over the tank to prevent koi from jumping out of the tank.
 - Provide aeration in the tank for the koi.
 - If possible, connect your pond filter to the tank to take advantage of the beneficial bacteria in the filter.
 - If you cannot provide filtration in the tank, you must check ammonia level frequently and make a water change when ammonia appears during the test.
 - Make sure to add de-chlorinator when adding city water, and keep an aerator running to provide needed oxygen for the koi.
- Feed the koi sparingly once per day. This will decrease the amount of ammonia expelled into the water in the tank.
 - Make sure there is a ridge all around your pond that is at least 6” high to prevent run-off water from the yard from entering the pond. This prevents fertilizers, yard chemicals, etc. from running into your pond and poisoning your fish.
 - Do not allow water from your roof or overhang to run into the pond. To do so will invite all kinds of toxins that have accumulated on the roof to enter the pond during rains.

- Construct one or more bottom drains running to a filter to remove waste accumulations on the pond bottom. Slope your pond bottom towards the drains in order to make them more effective. In a koi pond, it is essential to have a bottom drain in order to filter the water from the pond's bottom. Bottom drains should be placed near the center of the pond. In larger ponds, bottom drains should be placed 10' to 12' apart. Do not place the bottom drain just beneath the water fall. This will cause water circulation dead spots elsewhere in the pond.
- Do not cover the pond bottom with rocks or gravel. This causes debris to accumulate and decay and impedes the ability of debris to flow into the bottom drain.
- A skimmer should be placed as far away from the water fall as possible. Pond surface water should flow from the water fall to the skimmer at the other end of the pond. The skimmer will collect leaves and other debris that float on the pond's surface.
- Koi Ponds require aeration. One good way to provide oxygen is with a water fall. A long cascading water fall will provide more oxygen to the water than will a simple water fall that merely spills over into the pond. The longer the water surface is exposed to the air, the more oxygen the water will pick up from the air. Shallow streams running into the pond is a good source of oxygen.
- Do not allow nooks and crannies to be built in the pond where the water will become stagnant. If such occurs, provide a means of water circulation, such as a venturi, in those areas.
- The filter system should be sufficient to filter the complete pond volume every hour. Ideally, both the mechanical filter and the bio-converter should have at least this flow rate. More is better.
- When re-building your pond, do some homework in order to select the best pump for your application. Select a pond pump designed for constant running duty, and one that will furnish your required flow (gallons / hour) with the least amperage or wattage ratings. Koi pond pumps, filters and waterfalls should run continually in order to supply needed filtration and oxygen. A submersible pump properly placed can replace a bottom drain.
- When considering water flow rates, don't forget that most filters will allow only so much water to pass through them. A filter can become a water flow restriction even though the pump is rated with much higher flow rate. Determine the filter flow rate from the manufacturer's specification data for the device.
- Add an ultraviolet light to the system to prevent green water and to help keep the water clean.
- Don't guess at the water volume. After the pond is built, check it with the salt method. Gallons = pounds of salt added to the pond times 12, all divided by the change in percentage of salinity (an accurate salinity meter is required for these salinity readings). This volume will include the entire system. Another accurate means of determining pond volume is filling the pond through a water flow metering device.
- Many koi are killed or seriously stressed because owners add too much medication or pond additives, thinking their water volume is much different than it actually is. When determining the amount of pond additives, remember that decimal points can and do kill.
- If pond water shows high in ammonia or nitrites, make sufficient water changes to get it down to acceptable level until the bio-converter is established. This may take weeks and several water changes depending upon water temperature. Do not forget to add sufficient de-chlorinator to the added water.
- It is important that the pond owner has water test kits capable of testing for Ammonia and Nitrites. These two substances, plus lack of sufficient oxygen, are the most likely killer of koi.

SOUTHERN AZ KOI ASSOCIATION'S



2011

GARDEN POND TOUR

May 14 & 15

9am-4pm each day

Tickets \$5 each

**children under 13
free with paid adult**

**A SELF-GUIDED TOUR OF
PRIVATE KOI PONDS & WATER GARDENS
IN AND AROUND THE TUCSON AREA**

TICKETS AVAILABLE AT: Civano Nursery,
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Nursery, Mesquite Valley Growers, Ponds
Plants & More, Rillito Nursery, Sheldon's
Nursery, Tohono Chul Park, Tucson Botani-
cal Gardens & Mtn. View Koi (in Hereford)



**More info at:
www.sakoia.org
(520) 390-0879**

tucsonpondtour@yahoo.com

Tickets will be on sale after April 7th.

Kawarigoi Korner



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

Dennis and Kathy Leonard would like to thank everyone who came out to provide loving homes for their fish.

Upcoming SAKA Education and Business Meetings

Date	Location
March 27, 2011	Casey Case
April 17, 2011	Dan and Martha Cover
May 22, 2011	Noel and Debbie Shaw
June 26, 2011	Sandy and Joe Shiflet
July 24, 2011	Michael and Carol Herndon
August 28, 2011	Curt and Lisa Ogren. Mountain View Koi.
September 25, 2011	
October 23, 2011	
November	No Meeting. See you at the Show.

Shows, Pond Tours and Seminars

Event	Dates/Location/Links



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Expiration date ___ - ___
 Month year



<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