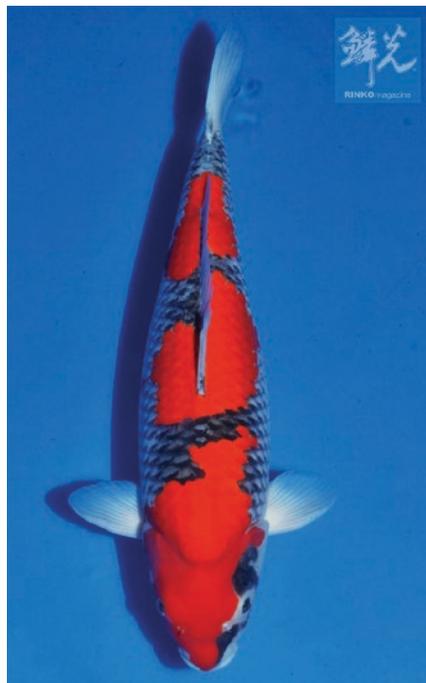


# NEWSLETTER



Grand Prize Winner, 32nd All Japan Young Koi Show – March 2015

## Northern Branch Meetings

Wanneroo Recreation Centre, Scenic Road, Wanneroo  
7.30pm, second Tuesday of each month

Next Meeting: 14th February

Agenda: Planing for the years agenda.

3 Questions. Floating Hi on Goshiki

## Southern Branch Meetings

Rotary Hall, Sandgate Street, South Perth  
7.30pm, forth Wednesday of each month (except December)

Next Meeting: 22nd February

Agenda: To be advised.

Keep an eye out on Facebook and for an SMS with details

## January 2017 Edition

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Got a story for the newsletter? Send them in to us [editor@koiclubwa.com](mailto:editor@koiclubwa.com)

# Welcome & News

Greetings and Happy New Year to our new and current members we hope to see you all at the next club event.

We hope everyone has had a great start to the new year and that breeders have some spawns that they are proud of and are coming along nicely. We encourage you to bring some to the next meetings table show.

As we get started for another year we have another full list of events for the KSWA which we hope will be bigger and better than the last.

The next event is the Auction in March, see page 3 & 4 for more info and the changes that have been made.

At the end of last year we had the KSWA end of year party which was a great way for the club to celebrate the end of the year. Thanks must go to Shona & Chris for hosting and to everyone that came and brought something that made for quite a feast.

In the meantime, happy koi keeping everyone!

## KSWA Financial Report - December 2016

## 2017 Event Calendar

Tuesday 14th February - Northern Branch Meeting, Wanneroo

Wednesday 22nd February - Southern Branch Meeting, South Perth

Tuesday 14th March - Northern Branch Meeting, Wanneroo

Wednesday 22nd March - Southern Branch Meeting, South Perth

Sunday 26th March - Koi Auction, Bedford

# Next Auction

Sunday 26th March 2017

Koi Society of Western Australia

**WHERE:** Beaufort Park Hall  
corner Beaufort & Drummond Street  
BEDFORD (near Morley),

**WHEN:** Sunday 26th March 2017  
Bagged fish sales from 10am  
Auction at 10.30am

**SELLERS:** Book your bin by Friday 24th March  
Fish to be in bins by 9.30am  
See new rules on bin limits



\* Subject to KSWA Bylaws - Auction Rules & Guidelines  
5% - 15% commission applies

# Koi Auction Rule Changes

To facilitate a better auction for both buyers and sellers there have been a few changes to the Auction rules. We hope this will fix a few problems that have come up previously and we will review these again if need be. The points are below.

## FOR SELLERS

All fish in auction bins must be sold for a minimum of \$40. If no-one buys it for \$40+, the fish will go home with you. If you don't think it will get \$40, please place the fish in Bagged Sales.

Maximum 14 bins per auction. Let the Auction Master know when booking your bin if you would like more than 1 - if there are any available after everyone has one, you can have multiple bins.

Maximum of 10 fish per bin.

No more complicated size rules.

## FOR BUYERS

All fish in auction bins must be sold for a minimum of \$40. If an opening bid of \$40 or more is not entered the fish will be passed in straight away and Auctioneer will move on to the next fish.

Members will pay less commission than non members on sale and auction prices.

Commissions	KSWA Members	Non Members
Bagged Fish: Price +	5%	10%
Auction Fish: Hammer Price +	5%	10%
Auction Fish: Passed in and you were highest bidder. Price +	5%	10%
Auction Fish: Passed in and you were not the highest bidder.	15%	15%

# Saving a Koi from shock

The following article is from Dr Richmond Loh about an event which took place during our 2016 Koi Show, it was originally published as "Acute Apnoea in a Koi" in The Aquatic Veterinarian Journal 10(4):2016, World Aquatic Veterinary Medical.

## AUTHORS

Ivan LIM, Final Year Veterinary Student, Murdoch University  
Richmond LOH, The Fish Vet, Australia

## SIGNALMENT

6-years-old, female, Sanke koi (*Cyprinus carpio*), 4kg.

## HISTORY

It was the Koi Society of Western Australia (KSWA) Koi Show 2016 held in June (winter). Fish were transported to the venue on the morning, and the water in the tanks were trucked in (all fish share the same water). The Sanke was put together with five other koi (four of them smaller, and one larger, than the Sanke) in a round show container about 1.5m in radius. There were many other containers adjacent to each other showcasing other competitors' koi. Each tank was aerated from a shared generator.

There was contention over the Sanke koi's length as to whether it could be judged in the Jumbo category of >70cm. The fish was difficult to measure, and so it was routine that they manually tumbled the fish to disorientate her, facilitating measurement. Ten minutes after this incident, the koi stopped ventilating, became listless, and laid in lateral recumbency, motionless on the tank floor and her skin was diffusely hyperaemic (Figure 1). She was observed to have occasional body twitches. The other koi in the container remained normal.



Figure 1: Female Sanke koi with apnoea

## PRELIMINARY DIFFERENTIAL DIAGNOSES

Stress (e.g. physical, environmental, physiological), ketosis, poor water quality (e.g. ammonia, nitrite, nitrate, pH, O<sub>2</sub>, CO<sub>2</sub>, temperature, chlorine), chemical insult (e.g. contaminants, toxins, including trace metals and pesticides), exacerbation of gill infection or infestation (e.g. *Flavobacterium* spp., monogeneans, protozoa).

## DIAGNOSTICS

Water quality assessment and tissue sampling of the fish were not performed. On gross examination all the koi in the container were in good nutritional body condition with the female Sanke koi being slightly over-conditioned. In addition, they had no observable abnormalities of the skin or gills.



Figure 2: A series of medicines injected intramuscularly, given in the sumi

## TREATMENT

Initially the koi was held over an airstone, and then a water pump was positioned in front of the koi's mouth to help ventilate. The fish promptly received doxapram (0.5ml, 20mg/ml), adrenaline (1ml, 1:1000 ampoule), and vitamin B complex (0.4ml), all intramuscularly (Figure 2). The koi was kept ventilated with the water pump, however there was no appreciable response after 15 minutes.

The owner of the koi had a smaller container that he used to transport his koi. The koi was then transferred to this because it had greater aeration capacity (Figure 3) and was more private. Here, the koi received diazepam intraperitoneally (0.1ml, 5mg/ml) as an anxiolytic (Figure 4).



Figure 3: Koi moved to transport tank with more vigorous aeration.



Figure 4: Intraperitoneal injection of diazepam.

## OUTCOME

Soon after the diazepam administration, the aquarist who was manually supporting the koi in the smaller container noted that there was increased muscle tone in the koi's body. Within 10 minutes of the diazepam administration, the koi was able to stay upright and swim again (Figure 5). She then went on to win Jumbo A and Variety Champion at the show!

## DISCUSSION

The combination of doxapram, adrenaline and vitamin B complex was chosen as a multi-modal attempt to stimulate the fish. Doxapram is a respiratory stimulant and is used in fish anaesthesia when fish become too deeply anaesthetised with subsequent respiratory depression. Adrenaline is an adrenergic agonist which provides cardiovascular support. Vitamin B complex was given to support metabolism and energy production, nervous system function, and red blood cell function. The intramuscular route for these three drugs was chosen as muscles are very well vascularised which enabled rapid absorption of the drugs into the systemic circulation. It is prudent to note the site of injections in koi or other fish with colour variations. Skin discolouration or inflammatory reactions can occur after injections, so giving them in the black or dark coloured parts of the fish will minimise visibility of the

defects, and is especially pertinent in show fish. The concurrent use of the water pump to assist with aeration of the koi was done to stimulate the buccal-heart reflex, which increases heart rate by increasing water flow rate through the mouth. This is achieved either by moving the fish through the water or by placement of a water pump in the oral cavity of the fish, as done in this case.



Figure 5: Koi, fully recovered from shock. Notice there is still a slight pinkish hue to the white (shiro) parts, a sign of stress.

Due to the muscle spasms earlier (which looked similar to the ‘death throws’ when fish are about to die), there was consideration of administering diazepam as an anxiolytic, and for its anticonvulsant and muscle relaxant properties. However, diazepam can cause respiratory depression which may exacerbate the koi’s apnoea. As the koi was not given any drug that would cause respiratory depression, after having discussed and sought the owner’s consent, the decision was made to administer diazepam via the intraperitoneal route. This route was chosen as absorption of drugs in the peritoneum is typically much slower than for intravenous and possibly intramuscular injections. It was anticipated that the low dose of diazepam, as well as its intraperitoneal injection site, would minimise the risk of respiratory depression.

The tumbling of the koi in the water was suspected to have incited severe stress-response, presenting as acute onset of apnoea and listlessness (shock). Other differentials included water quality problems like temperature stress, low dissolved oxygen, nitrite and nitrate poisoning, low pH and hypercarbia that may lead to dyspnoea. However as the other koi in the same container were unaffected, problems with water quality were dismissed. In addition, infectious diseases such as parasitic infestations with monogeneans (*Gyrodactylus*, *Dactylogyrus*) and protozoan ectoparasites, together with bacterial or viral infections, were considered. However, this fish showed no previous signs of disease, and the acute onset of illness soon after ‘tumbling’ suggests a severe stress response.

Environmental stress can cause changes in the fish known as the general adaptation syndrome (GAS). The changes are non-specific physiological and biochemical alterations which occur in three phases: the alarm reaction, the stage of resistance and the stage of exhaustion. Stressors like infection, fright, anoxia, forced exercise and anaesthesia can elicit

the GAS in fish. The events in the GAS are mediated by hormonal and nervous control via cortisol, ACTH and catecholamines. There is evidence that in all fish there is no standard response to stress. For example, fish that have previously been exposed to environmental pollutants may become more sensitive to stressors like infection, drugs and husbandry procedures. The affected female koi was relatively large at 71cm which could have had some implications on her susceptibility to stress. Studies have shown that the largest fish are often the most prone to hypoxia. The female Sanke koi could have reached the stage of exhaustion when her homeostatic mechanisms were unable to compensate for environmental stress. This may be a possible explanation for her apnoea and listlessness.

In conclusion, the stress from tumbling the female Sanke koi could have led her to become acutely apnoeic and motionless. Medical intervention (doxapram, adrenaline, vitamin B complex, and diazepam) coupled with the increased aeration, assisted in the recovery of the koi. To avoid causing excessive stress, it was recommended that in future, koi are sedated with anaesthetics, rather than the use of the tumbling method. Current literature does not explain the reasons for acute onset of apnoea in fish. Further investigation into, and documentation of, such occurrences will expand our knowledge of apnoea in fish and its predisposing causes.

Please find a link to the video of this case at  
<http://tinyurl.com/koishock>

#### Owners Footnote:

In the opinion of the owner the cause of the respiratory failure of the fish was due to acute stress brought on by the move to a measuring tank which had been sitting over night with no air supply. This water was in fact devoid of any dissolved oxygen and this fact was not recognised by the owner. When the fish entered this water she immediately panicked but this was not recognised by the owner or attendants as they were concentrating on trying to get her to keep still to get an accurate measurement. In essence the fish was in panic mode not because she objected to getting measured. Simply because the water we had her in had little or no dissolved oxygen. The learning is; stay alert, never transfer a fish to a tub where the dissolved oxygen level can be in question.

#### REFERENCES

- Grimm KA, Lamont LA, Tranquilli WJ, Greene SA, Robertson SA, eds. 2015. Veterinary Anaesthesia and Analgesia: The Fifth Edition of Lumb and Jones. Oxford: Wiley-Blackwell.
- Noga EJ. 2010. Fish Disease: Diagnosis and Treatment. 2nd ed. Oxford: Wiley-Blackwell.
- Roberts RJ. 2013. Fish Pathology. 4th ed. Oxford: Wiley-Blackwell

# KSWA Store Sponsors

The KSWA has contacted the local fish stores to arrange a special discount for our members to receive when they purchase from their store.

All you need to do is show your membership card at point of sale. We have sent all membership cards out via email so check your inbox or request it from us at [membership@koiclubwa.com](mailto:membership@koiclubwa.com). You can either show it from your device or print it out and keep it with you.

We thank the following stores that are currently offering this discount.



26 Woodvale Drive, Woodvale  
Phone: 9409 9248  
Open 9am-5pm Monday to Saturday  
Open 11am to 3pm Sunday



4 / 176-178 Bannister Road, Canning Vale  
Phone: 9455 1411  
Tuesday – Friday: 9:30am to 5:30pm  
Saturday – Sunday: 9:30am to 5pm



Cnr Carrington & Forsyth Streets, O'Connor  
Phone: 9314 7630  
Monday to Friday: 9.00am - 5.30pm  
Saturday: 9.30am - 5.00pm  
Sunday & Public Holidays:  
11.00am - 4.00pm (Most Public Holidays)



8/1500 Albany Hwy  
Cannington WA 6107  
Phone: 9458 1970  
Monday - Wednesday, Friday  
8:30am till 6pm  
Thursday 8:30am till 9pm  
Saturday 8:30am till 5pm  
Sunday & P/Hol 9am till 5pm  
CLOSED Jan 1, Australia Day,  
Good Friday & Christmas Day



2316 Albany Hwy, Gosnells  
Phone: 9490 2510  
Monday, Wednesday - Friday: 9.00am - 5.30pm  
Saturday: 9.00am - 5.00pm  
Sunday: 10.00am - 5.00pm  
Closed Tuesday & Public Holidays

# Advertising

The club is offering some advertising space on the trailer which we take to each fish related event several times a year. It would be seen on the freeway and roads by many others on the way to and from these events as well. This is great way to help the club fund raise and to advertise your business.

We have 2 spots left on a 3 year term for just \$300. You will be able to put your advertising on both sides of the trailer to ensure it is always seen. You will need to provide the advert in adhesive sticker form at a size equivalent to A2 Poster paper, which is roughly 60x40cm in landscape format. We can help put you in touch with someone able to produce this for you.

Any club member is free to advertise any business they like, it doesn't have to be koi or pond related, subject to committee approval.

If you are interested please contact the committee [info@koiclubwa.com](mailto:info@koiclubwa.com) to secure your spot.

## For All Your Koi Veterinary Needs

Aquatic Veterinarians: Perth | Melbourne | Sydney • Aquatic Animal Specialists: Townsville



- Pet Fish
- Public Aquaria
- Aquaculture
- Medicines
- Diagnostics
- Research
- On-site Veterinary Services
- Lab Services



The Fish Vet

**The Fish Vet – Dr Richmond Loh** *BSc, BVMS, MPhil, MANZCVS, CertAqV*  
thefishvet.com.au | thefishvet@gmail.com | 0421 822 383



# KSWA Northern Branch – December Meeting

**Date:** December 13, 2016

**Attendance:** 26

**Apologies:** Alex

Meeting was opened 7.39

Welcome to Max and Abbey and some we haven't seen for a while.

On behalf of all Members, Allan thanked the following:-

- Jun and his executive committee for all their work
- The NB committee for help and keeping things together.

Jun & Ryan to run the January Northern Branch meeting to keep things fresh.

Koi Judging exercise consisted of 26 studies of 3 fish from different size and variety classed in rapid fire style to help with making decisions on koi.

Fred had the highest score followed by Denzil who both won a prize for their effort.

Des won the \$100 Xmas raffle hamper,. 'Special awards' made to Nick, Kevin, Barry, Jocelle, Denzil, Tom, Tony C , Phong and Allan. Our two favourites were: the Australian snow man presented to Barry ( a bucket of water with a carrot in it! Best of all Phong got a framed photo of his likeness, North Korean dictator Kim Jong-Un! All a bit of fun to finish the year and thanks to Brett and Des for the presents, with the exception of my Zimmer Frame!

A final thank you and the meeting was closed at 8.46 and a BBQ Followed. Thanks to Paul for the BBQ and sausages.

Will see you all next year!



# KSWA Northern Branch – January Meeting

**Date:** January 10, 2017

**Attendance:** 11

**Apologies:** Allan, Jun

Ryan opened the meeting at 7.40pm and welcomed all members with a new person in attendance.

Ryan opened the meeting with highlighting some key projects that the committee has been working on recently including (1) Koi workshop aimed at new member introducing them to the basics of koi with the potential for these workshops to advance to more detailed topics for all members. (2) Changes to public Auctions with Total bin number now being restricted to 14, \$40 minimum for all fish sold during the Auction and (3) changes to buyer fees with 5% commission for members and 10% for non-members

Discussed how last year's breeding was going and what average size of fish was.

Brett brought in 9 fish from last year's Sanke spawn ~3 months that all members individually judged. This included 6 Sankes and 3 Bekkos. Once all had finished viewing and ranking the fish the group discussed how they had scored the fish and commenting on the positives and negatives of each fish. Brett then followed on with some further photos of the fish from previous culls highlighting just how the fish had developed and how he had seen a receding sumi which had just started to consolidate on some fish. We hope to take another look at these same fish in 6 and 12 months time. (Photos on next page)

After the Tea break Des had video presentation on the building of his sons pond (Brett) showing the group how the pond progressed from the digging of the hole through to completion. The group discussed filtration and aspects of the build with Des informing the group what he had learnt during the build and discussed things he would have done differently if doing it again.

Ryan prepared an informative presentation on airlifting water and its application in ponds. This included running through the theory, discussing optimum pipe sizes and depths needed. This was followed by some videos of airlift in action.

Chase the ace was attempted by Shona and Jarrod with no luck. Jackpots up to \$800 next month.

The meeting was closed at 9.30pm

## Bekko

A



B



C



## Sanke

A



B



C



D



E



F



# KSWA Sales Table

The sales table is an initiative of the KSWA to help members source quality pond and koi products at better than retail prices, a benefit of being a member of the club.

All proceeds from the sales table are used as a fund raiser for the clubs needs.

The Sales table is available at each branch meeting and some other club events.

Please support your club by purchasing items through the sales table.

**New stock of Koi & Fry food has been ordered. Available at KSWA meetings. Contact Jun on 0423 410 681 if you would like bulk food.**

**Portable DC Air Pump** - 40L/min, 80L/min & 120L/min

**Water Conditioners/Dechlorinator** - 0.5L, 2.5L & 5L

**Bacteria Clarifier** - 85g

**Koi Food** (Ocra Quick Grow, Ocra What Germ & SEKERIN)  
available in small and medium sizes + fry food - 1kg & 10kg bags

## **Koi Treatments**

Koi Anti Parasite, Anti Ulcer, Anti Bacteria, Fungus Control etc

## **Miscellaneous**

Koi 66 Variety poster & Illustrated Bible on Koi Keeping.

**API Freshwater Test Kits** - As Below



# KOI SOCIETY OF WESTERN AUSTRALIA

**Patron:** Mr Michael Cave

## Executive Committee of 2016 - 2018

<b>President</b>	Jun Hua Guo	president@koiclubwa.com
<b>Vice President</b>	Des Howlett	
<b>Secretary</b>	Shona Macskasy	secretary@koiclubwa.com
<b>Treasurer</b>	Jocelle Co	treasurer@koiclubwa.com
<b>Membership Officer</b>	Ryan Witney	membership@koiclubwa.com
<b>Sales Table</b>	Jun Hua Guo	
<b>Committee Member 1</b>	Con Pismiris	
<b>Committee Member 2</b>	Brett Thomas	
<b>Committee Member 3</b>	Joel Bacich	
<b>Committee Member 4</b>	Fred Sharp	
<b>Committee Member 5</b>	Lina Tassone	

### **Non-committee positions**

Newsletter Editor	Ryan Witney	editor@koiclubwa.com
Auction Master	Brett Thomas	
Logistics Officer	Brett Howlett	
Show Chairperson	Shona Macskasy	
Webmaster	Ryan Witney	

### **Northern Branch Committee**

Chairman	Allan Bennett
Secretary	Brett Thomas
Treasurer	Ryan Witney
Membership	Ryan Witney
Tea & Coffee	Shona Macskasy

### **Southern Branch Committee**

Chairman	Fred Sharp
Secretary	Con Pismiris
Treasurer	Vacant
Membership	Miki Mo
Tea & Coffee	Miki Mo



[www.koiclubwa.com](http://www.koiclubwa.com)



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