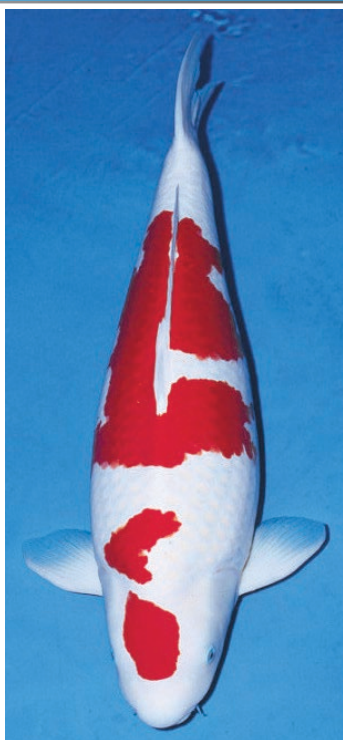


NEWSLETTER



Loulan the most beautiful koi of all time.
Read the story linked in the northern branch minutes

Northern Branch Meetings

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

Next Meeting: **19th September**

Agenda: Annual General Meeting.

Koi Discussion plus Chase the Ace is \$1150

Southern Branch Meetings

Willetton Pavilion, Apsley Road, Willetton
7.30pm, forth Wednesday of each month (except Jan & Dec)

Next Meeting: **27th September**

Agenda: Judging Exercise and Free Daphnia

August 2017 Edition

In this Issue

Welcome	Page 2
Small Koi Show Poster	Page 3
Small Koi Show	Page 4
Are fish really forgetful?	Page 5
Store Sponsors	Page 7
Advertising	Page 8
Northern Branch Minutes	Page 9
Southern Branch Minutes	Page 11
Sales Table	Page 13
Committee	Page 15

Got a story for the newsletter? Send them in to us editor@koiclubwa.com

Welcome & News

Welcome everyone to the August edition.

Please note the September Northern Branch meeting is 1 week later than usual and will be held on the 19th of September.

The Small Koi Show is coming up soon and now is the time to decide which fish to bring and book a bin for the day. Please make sure you have confirmed with Fred by the 15th at the latest. The Koi Society would like to thank Noran Fish Farm for sponsoring this years show. The judges for this year have been announced and for those that will be showing some of their smaller fish, see the poster below and further details on page 4.

If you have Facebook, we urge you to get on <https://www.facebook.com/auscarpplandiscussion/> read the content and make comment so that we can show we have a lot to say on this matter. There are lots of interesting articles about the KHV and it should be in everyones intrest to take part if we have any chance of making a difference.

In the meantime, happy koi keeping everyone!

KSWA Financial Report - July 2017

2017 Event Calendar

Sunday 17th September - Small Koi Show, Willow Pond

Tuesday 19th September - Northern Branch Meeting, Wanneroo

Wednesday 27th September - Southern Branch Meeting, Willetton

Tuesday 10th October - Northern Branch Meeting, Wanneroo

Wednesday 25th October - Southern Branch Meeting, Willetton

Sunday 29th October - Koi Auction, Willow Pond

Tuesday 14th November - Northern Branch Meeting, Wanneroo

Wednesday 22nd November - Southern Branch Meeting, Willetton

Small Koi Show

Sunday 17th September

Sponsored by Noran Fish Farms

www.noranfishfarms.com

**Willow Pond Reception Centre
Nicholson Road, Canning Vale**

09.30 am - All fish in bins and bags

10.00 am - Judging Begins

10.30 am - Bagged Fish Sales

11.30 am - Award Presentation (approx.)

1 Bin per member - Approx 12 fish

Enter in any variety class - no maximums

Auction rules apply for bag sales

Must exhibit at least 3 fish to sell bagged fish

Prizes for 1st, 2nd, 3rd for each variety

**Bins must be booked by 15th September
with Fred Sharp**

Koi Society of Western Australia



Small Koi Show

Introduction:

The purpose of this Show is to give members an opportunity to get together to show and discuss the fish of the future. In addition, to do this at minimum expense to the member and limit the work required to setup the Show - in other words an informal not too serious, fun Show day.

If you haven't entered your fish in a Show before and it is something that you are interested in doing, this is a great and easy way to start. If you'd like any advice on which of your fish to enter or which varieties they fit into, call any committee member.

The Rules:

- No entry fee, no pictures of fish are needed
- You need to be a financial member of the KSWA to enter the Show
- No member shall enter fish belonging to a non-financial member
- All fish shall be a maximum of 40cm in length
- Tanks, water & air provided by KSWA
- No electrics available so please don't bring water pumps
- Fish must be in their bin by 9:30am
- You need to book a bin by Friday 15th September: contact Fred Sharp 0422 992 955

Variety Classes:

To keep inline with the Annual Show, we will have the same 14 varieties to enter fish in.

Due to low fish numbers in these varieties, we combine the following variety classes;

Asagi & Shusui

Koromo & Goshiki

Kawarimono & Mujimono

Awards:

1st, 2nd and 3rd will be awarded a medallion in each Variety Class. Plus a trophy for best Gosanke & Non-Gosanke.

Judging:

- Judging shall commence at approximately 10am.
- Judges will award 1st, 2nd & 3rd for each variety.
- Judges decisions shall be final and binding on all participants.

We would like to thank our selected judges for this year.

Miki Mo - Local Certified Judge

Dave Gibson - Life Member

Ces Graham - Life Member

No	Show Variety
1	KOHAKU
2	TAISHO SANKE
3	SHOWA SANSHOKU
4	BEKKO
5	UTSURIMONO
6 / 7	ASAGI / SHUSUI
8 / 10	KOROMO / GOSHIKI
9 / 11	KAWARIMONO / MUJIMONO
12	HIKARI MUJIMONO
13	HIKARI MOYOMONO
14	HIKARI UTSURIMONO
15	KINGINRIN 'A'
16	KINGINRIN 'B'
17	TANCHO

Why fish don't deserve their reputation for forgetfulness

There is something fishy about our attitude to fish. It is estimated there are a staggering 250,000 species of fish in our oceans, yet despite their diverse looks and behaviour, many people perceive them to be universally dim-witted.

The widely-held belief that fish have three-second memories has been blown out of the water

This widely-held belief may persist due to an unconscious bias, based on an old-fashioned view of how evolution works. Culum Brown of Macquarie University in Australia, who is also assistant editor of the *Journal of Fish Biology*, suspects that many people underestimate how smart fish are because they assume fish are primitive creatures. "The reality is that most of the fish on the planet today evolved around the same time as humans," he says.

It is also possible we subconsciously underestimate the cognitive abilities of fish because they live in such a different habitat to our own; because we have been duped by films that perpetuate the myth that fish are amnesiacs; or because we simply assume they are unintelligent to avoid feeling guilty when tucking into a fish finger sandwich.

In *Finding Nemo*, Dory the forgetful blue tang (*Paracanthurus hepatus*) tells Nemo: "I suffer from short-term memory loss... I forget things almost instantly." However, the widely-held belief that fish have three-second memories has been blown out of the water by animal behaviour experts.

The humble goldfish can remember things for three months, and can even tell the time in a rudimentary way. For a 1994 study, researchers trained goldfish to push a lever that worked for one hour a day in exchange for a reward. The fish learned to take advantage of this window of opportunity, demonstrating that they could keep track of time, learn and remember.

This will come as no surprise to owners of pet goldfish that beg for food at the water's surface. Study author Phil Gee of Plymouth University in the UK says fish's ability to anticipate food gives them "a competitive edge and an evolutionary advantage"

Brown says many fish can recall details for a very long time. For instance, the crimson-spotted rainbowfish (*Melanotaenia duboulayi*) can remember escape routes to evade danger for 11 months, according to a study he published in 2001.

"Most aspects [of] their cognitive abilities are just as good as most terrestrial animals, and in many cases exceed them," says Brown.

Guppies (*Poecilia reticulata*) can solve a maze consisting of six consecutive T-junctions. The popular pets not only learned to complete the puzzle, but over a five-day training period they got faster and made fewer errors, according to a study published in February 2017.

The fish's performance was surprising and could be compared to that of rats, says lead author Tyrone Lucon-Xiccato of the University in Padova in Italy. "Rodents are expected to be successful in similar tasks because they have evolved to live in burrow systems similar to that of a maze. But conversely, fish usually live in very different environments and therefore were not expected to rapidly learn the maze."

He says guppies may have evolved their navigational abilities because, in the wild, they live in streams that are strewn with obstacles.

Fish, like mammals, have an excellent sense of space. They draw on incoming sensory information such as hydrostatic pressure to work out their position in three-dimensional space, according to a 2016 study. Theresa Burt de Perera of the University of Oxford says that fish can encode space in 3D, whereas land-dwelling animals like us have trouble with the vertical dimension. Unlike rats, fish can accurately judge vertical distance.

Brown says fish's ability to track depth makes them "superior to humans" in this respect. There is also tentative evidence that fish have something similar to "place cells". These cells, which have been found in rats, are neurons that fire when the animal occupies a specific location within its environment. Different place cells fire in different locations, so they are thought to be the seat of a neural map of space in mammals.

The apparent fish "place cells" are in an area of their brain that is equivalent to the human hippocampus. The fish might use them to create a memory of the space around them. As well as navigating, fish can use tools – a skill once thought to belong exclusively to humans.

In a 2013 study, researchers found that newborn guppies can choose the larger of two groups of dots. "The fact that newborn fish can learn to distinguish between two groups of objects differing in number reinforces the idea that numerical abilities might be at least partially displayed at birth," says author Christian Agrillo of the University of Padova.

Judging quantities is important for fish, because they often avoid predators by joining large shoals. Several studies have shown that fish prefer to join the larger of two shoals when placed in an unknown environment.

Agrillo believes fish are as adept at quantifying small groups as mammals and birds. If that is true, it would suggest that our numerical abilities may be older than we thought. They could even date back to the divergence between fish and land vertebrates, approximately 450 million years ago. As well as "counting", fish can work together – even with members of other species.

Coralgroupers (*Plectropomus pessuliferus*) and coral trout (*Plectropomus leopardus*) both sometimes team up with snake-like giant moray eels (*Gymnothorax javanicus*) to flush out prey that are hiding in small crevices. The trout and grouper both shake their heads to invite a moray to come hunting.

In a 2014 study, biologists showed that coral trout quickly learn to choose the most effective eel hunters. They used a set-up in which food was out of reach. The trout quickly worked out when they needed a collaborator to help them get the food, and they were three times more likely to choose an effective moray teammate over an ineffective one.

The experiment "strengthens the case that a relatively small brain, compared to warm-blooded species, does not stop at least some fish species from possessing cognitive abilities that compare to or even surpass those of apes," says study author Alexander Vail of the University of Cambridge.

A goldfish aimlessly circling its bowl may not be as smart as this. But archerfish and other species are helping to challenge our perceptions of fish intelligence. Schuster says this should put our own cognitive abilities into context, because clearly impressive brainpower evolved long before humans.

However, it remains to be seen whether our newfound appreciation of fish intelligence will ever be enough to put us all off eating fish and chips.

This article is from the BBC, full article

<http://www.bbc.com/earth/story/20170426-why-fish-do-not-deserve-their-reputation-for-forgetfulness>

KSWA Store Sponsors

The KSWA has arranged 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. 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
Unit 1 /10 Discovery Dr Bibra Lake WA 6163 Phone: 9418 6619	



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



4/1904 Beach Road, Malaga
Phone: 9249 3799
Monday - Friday: 8am - 6pm
Saturday & Sunday: 8am - 5pm

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 1 spot 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.

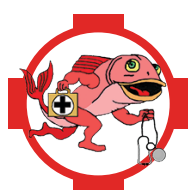
If you are interested please contact the committee info@koiclubwa.com to secure your spot.

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



@thefishvet



thefishvet.com



[youtube.com/
thefishvetdrloh](https://youtube.com/thefishvetdrloh)



[tinyurl.com/
TheFishDoctor](https://tinyurl.com/TheFishDoctor)



[facebook.com/
thefishvetdrloh](https://facebook.com/thefishvetdrloh)

KSWA Northern Branch – August Meeting

Date: August 8, 2017

Attendance: 17

Apologies:

Branch balance \$5481.04

Allan started by handing over to Jun for the AGM and report. The previous AGM minutes were accepted by Shona and seconded by Des.

We were told a story about Loulan the best fish ever bred in Japan. You can read the full tale here. <http://www.caribbeankoi.com/the-loulan-story/the-loulan-story>

Allan reminded us about the importance of testing water, especially this time of year with extra rain affecting water parameters. After he had someone come to him to test his pond water and his readings were literally off the chart.

This month in your pond had members contribute the items they are doing this month along with discussion of these points.

Planning for breeding – space, cleaning etc

Cleaning filters if going away, but not major clean out – wait till spring.

Feeding wheatgerm or reduce feeding. Stop feeding to reduce fat build up. Do we need to feed lower protein in Australian winters as they aren't as cold temps. Reducing the protein % of food. Feeding Chinese cabbage, watermelon, orange.

Alan Peck and Tony Herbert judged the table show

Go Sanke

Shiro

Showa

Non Go-Sanke

Goshiki

Tancho

GinRin

5 Step

1 Step

Kohaku

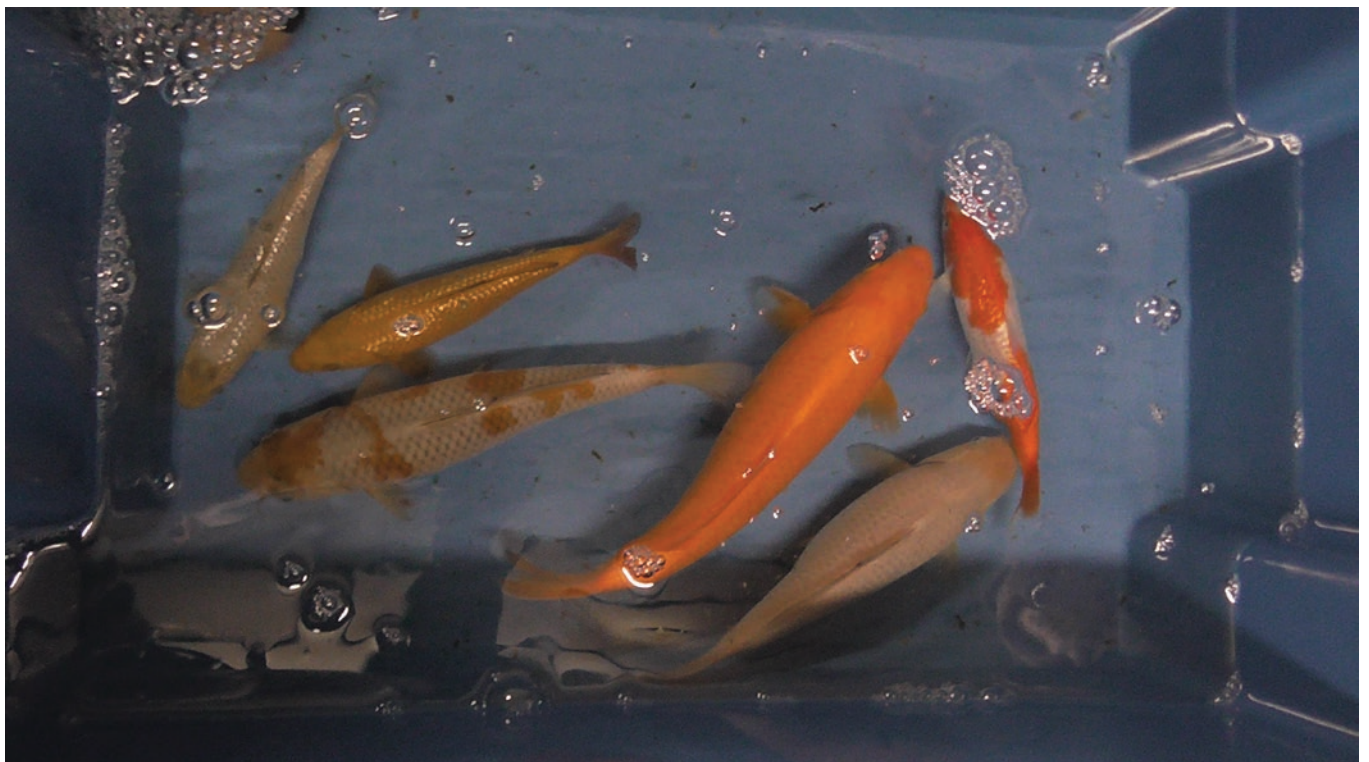
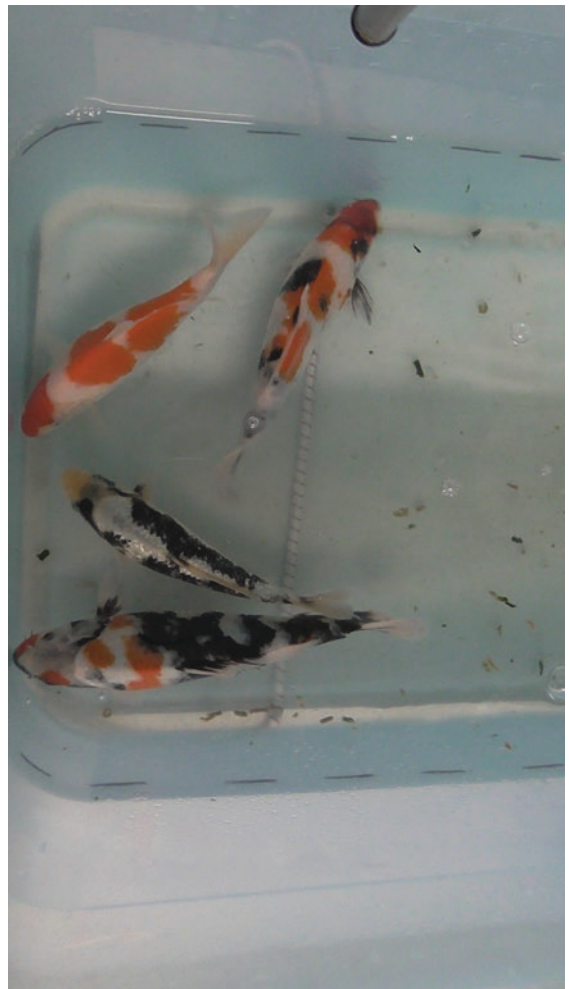
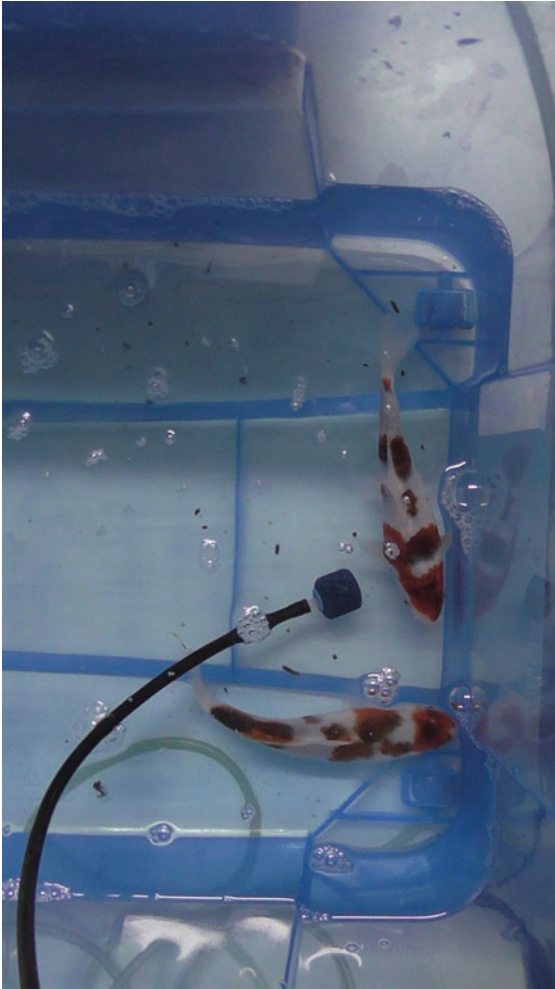
Unfortunately I didn't have the owner names noted. But well done to those people.

Alex, and Alan Peck won a raffle price and Jared and Dave Brown tried to find the ace, but still no luck.

Jun presented on planning to go to Japan for next year's show or any other time based on his trip this year. He had some great info for first time travelers to the area and had some advice on how to best use your time.

Meeting was closed at 9.52pm

KSWA Northern Branch – August Meeting



KSWA Southern Branch – August Meeting

Date: August 23, 2017

Attendance: 16

Apologies:

Meeting Opened. 7.42pm

Jun welcomed all the members who attended the meeting.

Our new treasurer, Tony gave the monthly financials, with the SB account standing at \$2 194.

Jun gave an overview of what to expect at the meeting, including presentations on "How to Design a Pond", and the ZNA Malaysia Koi show, which Miki Mo judged in.

Since the weather's been cold and everyone has been busy, there was no table show for this meeting.

The meeting was opened to the floor to the members for any questions or concerns. Some of the topics discussed were:

- **The secret to keeping daphnia**

Some suggestions included:

- Do nothing
- Getting the right type of mesh to filter out the smaller ones
- Getting the right timing for them bloom
- Put dirty sand for the eggs to bury itself and to use for the next cycle

- **Preparing koi for breeding**

- **Treating sleeping sickness**

- Quarantine fish and give salt bath
- Increasing temperature of the pond
- Have soft water and avoid putting chemicals as it may cause stress on the fry

- **Condition of fish in rainy weather**

- **KHV and Barnaby Joyce**

.

These sparked a great discussion and members shared their own experiences, as to what's worked for them in the past.

Jun did his presentation on the ZNA Malaysia Koi Show, giving members a brief overview of the show and showed photos of the major prize winners. Miki Mo shared a little bit of his experience at the show and members shared their thoughts on the prize winners.

After a good discussion, members had a tea break.

After the break, Fred informed the members about the Small Koi Show on Sunday, 17 September. Members joined Fred in thanking Kylie Wall and the Noran Fish Farm for sponsoring the show.

If you would like to enter the show, please give Fred a call and book a bin by Friday, 15th September.

Members were also informed that there will be presentations/seminars on koi keeping that will take place during the show, for the public to check out. There will also be the opportunity for members to sell bagged fish, but must have at least three fish entered at the show to do so.

Thank you, Fred. We look forward to it!

Jun also informed members of other upcoming events that members can look forward to, such as pond tours and end-of-year party.

KSWA Southern Branch – August Cont.

Jun moved to the second presentation on 'Designing a Koi pond' with a recent purchase of an 800 sqm block. Members expressed their ideas, thoughts, and advice. Some of these included, understanding and being aware of regulations, and seeing as many ponds, as possible to get ideas.

Great, engaging discussion! Thank you, Jun, for the presentations and for everyone getting involved in the discussion and providing valuable advice and ideas.

Congratulations to Des, Tom, and Don for winning the night's raffle!

Jun thanked everyone for coming and for their support. Please get in contact with the committee if you would like to do a presentation. Also, members were encouraged to attend next month's meeting if they would like to receive a few daphnia.

Meeting closed: 9.45 pm

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 (Odra Quick Grow, Odra 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

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

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	Jun Hua Guo
Secretary	Jocell Co
Treasurer	Tony Herbert
Membership	Miki Mo
Tea & Coffee	Miki Mo



www.koiclubwa.com



facebook.com/KoiSocietyWA