

# The Yorkshire Koi Society



## Upcoming Events 2017

- **Sunday 13th August** - Liverpool Koi Club visit us.
- **Weekend 26th/27th August** - North of England Koi Show.
- **Sunday 10th September** - Return visit to Liverpool Koi Club.
- **23rd/24th September** - All England Koi Show.
- **Sunday 22nd October** - Last Supper.
- **Sunday 19th November** - Winter meet
- **Sunday 3rd December** - Christmas Dinner

August! The year seems to be flying by! The nights are starting to draw in and unfortunately the temperatures seem to be on the decline.

August brought us a visit from the Liverpool Koi Club. There were plenty of ponds and gardens for them to see and enjoy followed by a meal at a local pub.

Then there was North of England show for us to get our koi fix with. A number of our members were showing their koi and a number of trophies and awards were brought back to Yorkshire.

Please remember to keep checking the sponsor/dealer banners on the forum homepage. You may find yourself a good deal or saving as we move closer to winter. It also helps towards the business and the running of the society.

If you are happy to open your pond up to club visits please let Paul Dixon know. It is always great get new and existing members to come visit your pond/garden/koi.

If you are happy to be featured in the members "***Pond of the Month***" please let me know as soon as possible. I can send you a set of questions and possibly come photograph your pond and koi to go with the article.

## **Message from the Chairman**

Hi everyone just like to let you know how things are going so far. The society is looking very good, we have signed up a few new members this year and also had a few new sponsors come on board. The new season kicked off with the first supper, a three dealer visit which started at Absolute Koi where Darren & Donna put on a great breakfast for us. Then through to Chris and Sarah at S&C Koi to see their new venture, followed by Chris at Koi Masters. After which we all had a meal at the Wheatsheaf which is always good food & value. We then hosted & visited to Northampton Koi & Gardens club - a great set of folk; both visits went very well and we have gained some good friends, a repeat of this will be a must for the future.

The Photo show presentation and BBQ went very well and we had some pleased winners. Well done Malcolm for winning Grand Champion and of course all the other winners. Also thanks to our hosts Dave & Andrea for putting on a great BBQ.

We have just hosted the Liverpool Koi Society who had a great day and visited two new hosts Laura & Pete & Peter Bayliss two lovely set ups for them to see.

Please put your names down in the members section for the return visit to Liverpool on Sunday 10th September.

Our forum has been very busy seeing up to 8000 hits per day (Some traffic there hitting the forum and banners).

Hope to see you all on the Liverpool trip.

Regards Jim.

## Liverpool Koi Club visit:13th August

Six members of the Liverpool club made the journey for an inter-club visit. They were a friendly bunch full of humour. First up was Paul and Sue's pond where we enjoyed sausage



and bacon butties washed down with copious amounts of tea and coffee. Paul's koi were looking in great shape and feeding well. His drum combi and shower had the water looking crystal clear.



Lofty's place was next, little Buddy was there to greet us all and spent time sitting in the



pond house next to Paul, something he has never done before apparently. We were able to see the Jumbo Champion in the flesh, it is certainly deserving of the title. Lofty had also fitted a new drum in his trophy room. It also



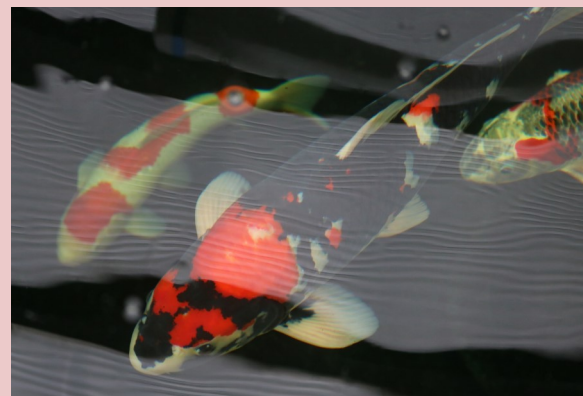
was interesting to see his ozone system and find out his experiences with it.

Jimmy and Mandy's pond was next up. Jim had to swap with Lofty due to a pump failure which he needed to sort out. Despite this his koi were looking fantastic and feeding well. Chase welcomed everyone in his own way with by serenading us with his howl and rounding us up.





It was our turn next, we left Jim's earlier to allow a little extra time for a quick spruce up of the glass and to get the boiler ready. Our koi appeared to be looking reasonably well despite our recent parasite issues. It was the first time Lofty had visited us and he appeared to be left a little speechless by it all, not something I imagine happens very often! One of the visitors was even eyeing up the cabin to move into.



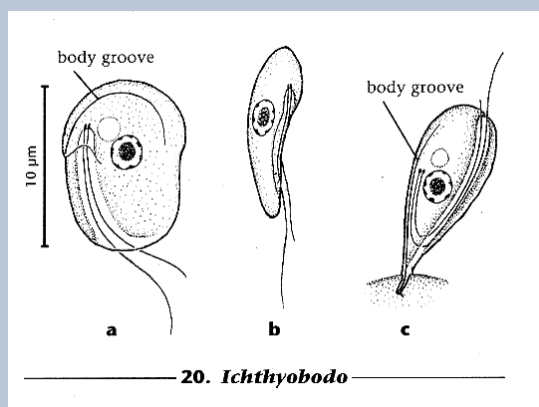
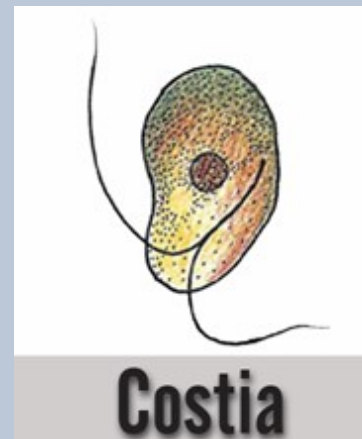
The final pond visit of the day was to Pete and Carol Bayliss, this was the first time they had opened up their home and garden to us. Pete has made a few changes to his filter QT house; got rid of one tank and brought his filters inside which made a lot more room inside. Carol keeps and breeds Budgies which she shows in competitions similar to koi shows. They also have a rabbit and some Quails which were very small and cute.



It was then time to go for a carvery and a few drinks at The Hopgrove before making our way home. We will be looking forward to the return visit in September.

# FOCUS ON..... Costia

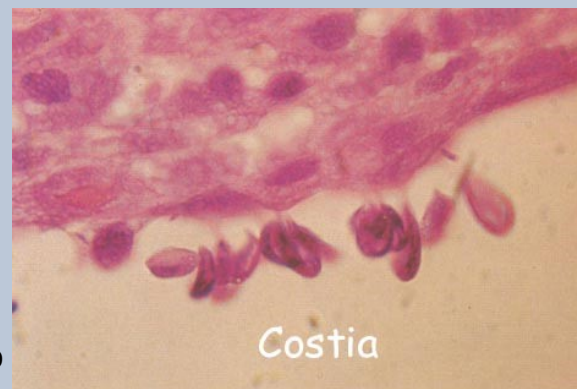
There are two species of costia "*Ichthyobodo necatrix*" which is the most common and "*Ichthyobodo pyriformis*". This nasty little critter is number two on the hit list for being responsible for high koi mortalities. It is classified as a "*Flagellate*" parasite, meaning it has one or more "*Flagella*" or hairs. Costia had two pairs of flagella, one used for propelling itself around and the other for attaching to its host in order to feed. It can infest various species of fish both internally and externally.



Costia reproduces by longitudinal binary fission (splits itself in two from top to bottom). It is transferred by physical contact, however unfortunately it is capable of swimming should the need arise. It is unable to survive more than a couple of hours without a host, should conditions become detrimental it is believed they are able to form a

protective cyst, this may also protect them from drying out meaning when conditions improve they can emerge to re-infect your fish.

Costia feeds on the koi tissue, it causes major damage to the gills and skin. Where it attaches it will destroy the tissue at that site. Gill tissue is delicate, when it is damaged the koi is unable to get sufficient oxygen as well as weakening the host further, rendering it unable to produce



adequate immune responses. It is an opportunistic parasite which will attack weakened fish. Younger fish fall victim much quicker than older koi with stronger more established immune systems. Unfortunately koi suffering

heavy infestations may not make it through the treatment regime. It is important to provide extra air to increase oxygen saturation, especially if they are gasping. Costia infestations can happen rapidly and can be catastrophic.

## Identification

Costia is 10-20 microns long and can be seen at a minimum magnification of x100, x400 is much better to see them moving. They are usually found in the areas around mucous scrapes, normally in the small rivulets formed on a slide. Therefore it is better to try to avoid getting a thick mucous scrape as this can hinder being able to see them. Their movements are erratic and jerk like, they look to be tumbling around all over the place. Costia is comma or bean shaped face on but very narrow side on. When attached to a host it is more pear shaped.

## Symptoms

Fish that become very lethargic, stop feeding, start hanging in air columns, have red areas, raised scales and excess mucous are showing classic costia symptoms. Koi may present with sunken eyes and clamped fins. There may be



multiple fatalities over a short duration. A scrape must be done to confirm a diagnosis.

Inspection of the gills will identify any damage caused by costia. Gills should be a bright red colour, any discolouration is a sign of damage.



**Treatments\*\*** Ensure UV lights are turned off.

1. Malachite green and Formalin is the first line treatment.

⇒ Malachite Green 2% 10mls per 176 gallons

⇒ Formalin 30% 10mls per 150 gallons

Used together for one treatment only.

2. Potassium Permanganate at 1.5 grams per 220 UK gallons for three to four hours.

3. Chloramine T at 2 grams per 100 gallons. Treatment for three consecutive days only.

Ensure pH is over 7.5. UV light and pH can increase the rate of release of the chloramine T into the water making it toxic.

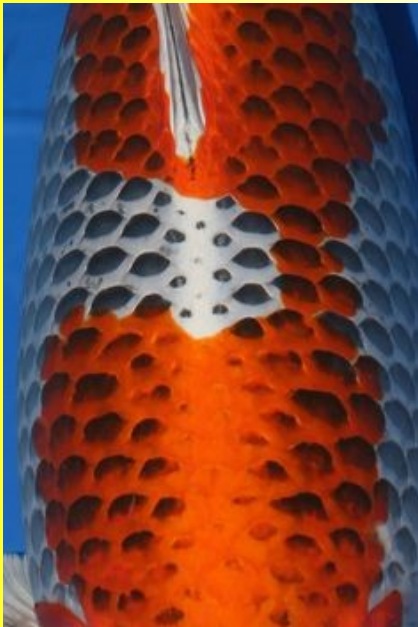
4. ICC by Duncan Griffiths has good feedback, more so when salt is used at 0.6%. 25mls per 500 gallons, treat every other day. Be aware that using salt reduces what other treatments can be used.

**\*\*Any treatments are used at your own risk. It is vital you know your pond volume and can calculate the doses. Follow instructions carefully. Always check parameters before treating\*\***

# **Koi of the Month: Kujaku**

The Kujaku has evolved from the breeding of Shusui with Kin Matsuba and Hariwake. The breeder responsible was Toshio Hirasawa in the 1960's. They are often judged in their own category "*Hikari Moyo*". Kujaku in English means "*Peacock*". A Kujaku is a five coloured koi, to put it in more simple terms it has a platinum metallic base with black matsuba scales, orange/red (Beni) markings similar to a kohaku. Their pattern is judged similarly to Kohaku, it should be well balanced and not overpower the white. The doitsu versions of Kujaku are often mistaken for Shusui, it is easy to see why as they can look very similar.

It should have a bright clean white head or face pattern. A



Kujaku should have the reticulation (Fukurin) pattern of an Asagi on its back and then an overlay of gold, yellow, red or orange pattern.

Kujaku's are metallic koi therefore their skin should have a lustre and sheen to it. Their fins ideally should be clean with no colour, marks or blemishes on them. It can however be very difficult to find a good example of Kujaku, when one is found it often has a price tag to match!

Due to there being so many variations of the Kujaku it is usually better to focus on what it has that is good rather than the negatives. Additionally the younger, the koi the harder it is to choose a good version.

When breeding Kujaku's there is a very high culling rate of fry/juveniles which can be a challenge in itself as they resemble poor quality "pond filler" type koi. Ogon, Kikusui, Kohaku, Aka Matsuba, Gin Matsuba, Asagi and Hariwake can also be found amongst the young.

