HON SPON

英國錦鯉愛好會東南俱樂部

The E-Mag of the South East Koi Club



Issue 47 August 2010

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It's SHOW TIME!

I've got to begin this issue with an apology for the lateness of getting this out on the ether. I have several good excuses, you'll read about both in this issue (Scotland and KZN). Due to judging commitments and a lack of input from anybody else I had no time to do anything else but cobble together these articles overnight.

The KZN article is the article that I have sent to Koi Carp magazine in its entirety. Normally I'd do another especially for Hotspot. So if some of the references within it seem strange it's due to it being written for a British audience.

My thanks to Kevin Harrison, Chris Neaves, Mike Harvey, Alan Ferreira and Oosie Strydom for their contributions, especially Kevin and Alan for without them I wouldn't have been able to put together the KZN article or get Chris Neaves' in here either. If there's any errors etc its purely down to the lack of

time and if you let me know I'll amend them in the next issue. But thankfully I can now put this issue behind me and concentrate on the next two weekends.

I fly out to Arcen for the NVN show tomorrow morning and on my return next Monday, I'll be heading down to Swanley to start work on the South East Show. I just love this time of year.





About HOP SPOP



Hot Spot is the on-line version of the South East Section BKKS' newsletter called "Spotlight", suitably sanitised and denuded of in-house content to make it interesting for other Koi Clubs. However, it will also contain some occasional South East publicity. Hot Spot will be a periodic publication i.e. it will get published when we have enough

articles to fill it's 8 pages.
Copies of it will reside on the
South East's website and will
be distributed to other Koi
Clubs who indulge us with an
exchange of magazines or
newsletters.

Articles taken from "Spotlight" are the copyright of the South East Section but may be used by clubs who participate in this exchange.

The original text and photos can be obtained via the editors whose details can be found on the back page.

Scottish Koi Club 2010 Closed Show.



Firstly, let me explain the term "Closed". This is a UK Koi Show term that means that only members of the club are permitted to exhibit their koi. It has no connotation to being closed to the public, although occasionally some are. This show was very public and held on the premises of a garden centre in the town of Polmont.

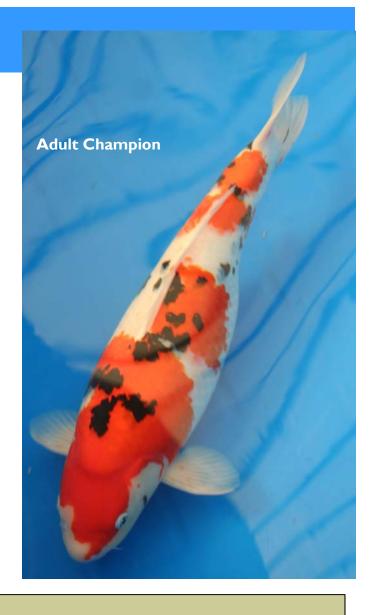
Although the exhibitors were restricted to club members nothing else was. There were show workers and visitors from the neighbouring North East Club as well as the local general public some of whom look forward to this show as an annual event. The Scottish Club boasts approx 50house-holds spread over the entire country.

We hear all too regularly that Koi Shows on on the wain, and that it's only the old-timers keeping them going, but Show Chairman Willy Morland was at pains to point out the contribution that new members to the Scottish club made as both exhibitors and show workers, so there's at least one part of the country that flouts that opinion. I was picked up from Edinburgh Airport at around ten o clock and transported to the show where I met up with fellow judge Allan Tait and had lunch before judging. Closed shows are allowed to adjust the normal BKKS sizes and even Classes if they want to. The Scottish Club just changed the sizes with size I being 10-30cms and then 10cms increments up to size 5 which was 60cms+ . There were 13 vats containing 66koi and judging finished around 3.30pm. Allan left that night for more judging at the Yorkshire Section Closed Show but I stayed on because they were buying me beer, feeding me and generally making me welcome. I stayed throughout the next day too because the cheapest flight home was the last of the day which gave me time to enjoy the show and even get some practise in pulling down as show. Something I'm going to need at the end of this month.

So in closing, I'd like to thank the 'Jocks' for their hospitality and apologise for the quality of the photographs. The koi were far better than my photography.







Young Champion

Role of Honour.

Grand Champion - Kohaku - Willy Morland.

Mature Champion - Sanke - John Anderson

Adult Champion - Sanke - Andrew & Wilma Frew

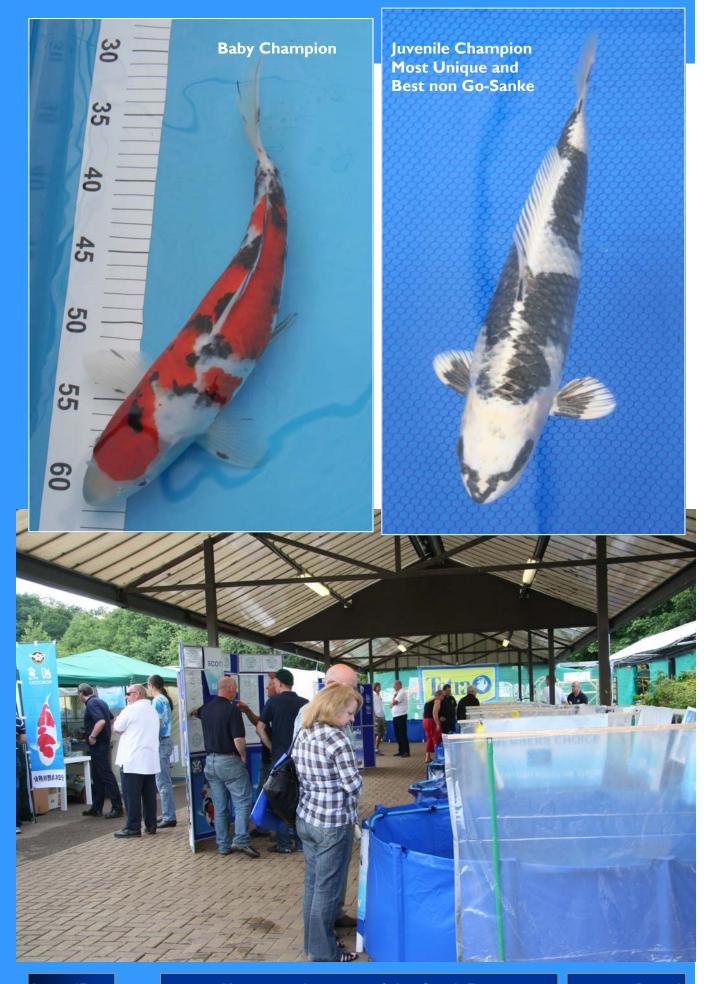
Young Champion - Kohaku - John Anderson

Juvenile Champion - Hikari Utsuri - Willy Morland

Baby Champion - Abby Bin

Unique Koi - Hikari Utsuri - Willy Morland Best non Go-Sanke - Hikari Utsuri - Willy Morland

Fyi - The Mature Champion is chosen from size 5, the Adult from size 4, The Young from size 3, Juvenile - size 2 and the Baby Champion from size I





SOUTH EAST KOI CLUB

29/30AUG

AUGUST BANK HOLIDAY SUN & MON

PARKWOOD HALL SCHOOL

BEECHENLEA LANE, SWANLEY, KENT

Admission £5.00

CHILDREN UNDER 12 YEARS FREE –
IF ACCOMPANIED BY AN ADULT



UK'S LEADING KOI DEALERS

ARTS & CRAFTS

ENGLISH STYLE

You are invited to join us at our 24th Open Show, which promises to be an outstanding event.

There is ample free car parking and a licensed bar.

The venue is 5 minutes from junction 3, M25.

Show open: 9.30am-5pm,

Sunday & Monday.

Benching: Saturday 10am-5pm,

Sunday 8am-10.30am. Judging: Sunday 1pm.

Presentations: Monday 3pm.

For further information:

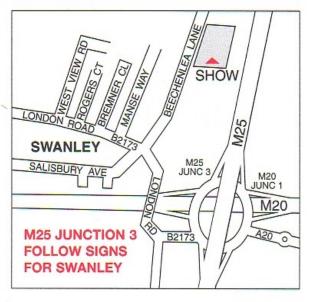
Tim Fisher: 01322 276335

07973 327887

For Vat bookings:

Bernie Woollands: 01344 626001

During this weekend there will be displays by The British Reptile and Amphibian Society



In our wonderful hobby – koi keeping – we all tend to fall into a deadly trap, the trap of over stocking our ponds. Koi keepers often keep every koi they buy for as long as possible. Often the quality deteriorates but we still keep them and they keep on growing.

One of the fundamental principles of good koi keeping is good water quality. Look after the water and the water will look after your koi. As we add koi so the pond environment deteriorates as koi are continually feeding and growing. This in turn means that the oxygen is continually extracted from the water and toxic ammonia is added. Consequently the number of koi that can be safely kept in a koi pond (given volume of water) is limited.

It is very important to keep this in mind - each koi needs a minimum amount of water to live a healthy life and grow to its full potential.

Water has a limited koi carrying capacity. The oxygen that is dissolved into pond water being one of the main considerations for life is limited. Further as koi excrete toxic ammonia directly into the water there are limits as to the amount of ammonia koi can tolerate in a given volume of water – even with filtration.

Then from an aesthetic point of view it is far better to have fewer high quality koi than many poor quality koi. Try it one day – if you are over stocked remove the poor quality koi or the koi which are the poorest quality in your pond and then have a good look at your collection again. Suddenly the better quality koi will look better!

Lets us look in detail as to why are stocking densities are so important in koi keeping?

QUICK INFO

Stocking densities have a direct influence on the overall health of your Koi and the quality of the pond environment. Heavily stocked ponds have a higher chance of disease out breaks.

Heavily stocked ponds are stressful to Koi.

The higher the stocking densities the faster you have to remove the impurities and the faster the clean water should be returned to the pond.

As Koi grow they take up much more space, consume much more oxygen and add much more ammonia into the system.

FACTS YOU MUST KNOW

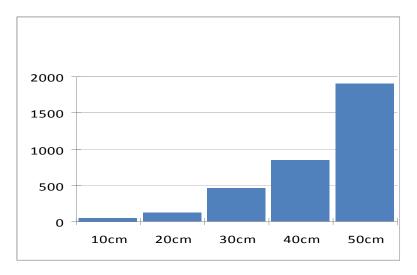
Every time a Koi doubles in length it has about 8 times more body mass. Than when the fish was half the size This has severe implications on your pond and filter system.

8 times the body mass = 8 times more oxygen consumed + 8 times more ammonia added to the pond.

Higher stocking densities run a greater risk of the collection suffocating in the event of the pump being of for some time.

8 times the ammonia oxygen added removed 8 times the body mass

The graph of the estimated mass of koi as they grow illustrates the influence grow and stocking densities have on a koi pond. We have the same pump and the same filtration system but the koi are increasing in numbers as we add more koi AND they are influencing the pond water quality because of their increasing size.

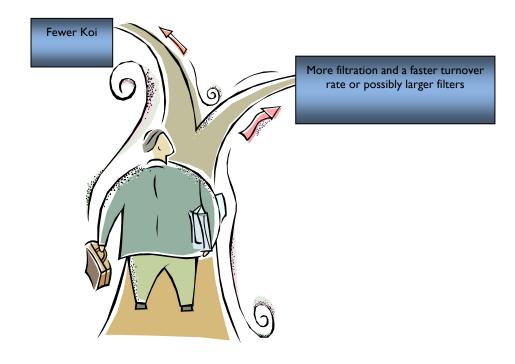


Length of koi in cms

- the larger the mass of a Koi the greater the oxygen consumption, the greater the amount of ammonia excreted into the water.
- weight increases disproportionably with body length.
- a doubling in body length does not produce a doubling in mass -
- note the 7 8 fold mass increase as the length doubles from 20cm to 40cm
- each Koi can double in length in about two years, this would mean a 7 8 fold increase in the load on the biofilter and the oxygen demand plan ahead

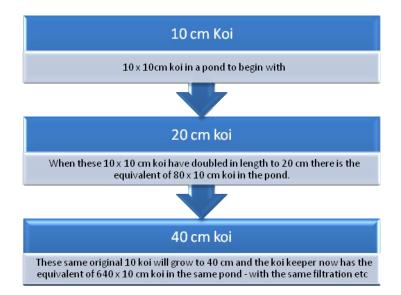
Decision Time

After a year or two, if your Koi have doubled, in length it may be decision time –Fewer Koi



The effects of growth and body mass are illustrated below.

The Effects of Koi Growth on the Pond System.



Would you have originally stocked your pond with 640 x 10 cm Koi?

So the pond has suddenly become over stocked when the koi have grown and this is without any new additions.

There are other implications with stocking densities. Have you ever wondered why growing on dams and some ponds get very good growth? It's to do with low stocking densities and water quality.

A study by Perlmutter, Alfred, Daniel Sarot, Man-Lin Yu, Rocco Filazzoia and Seely on the *Effects of Crowding on the Immune Response of Fish* indicates that there are "other" hidden factors at work than first meet the eye.

These are not readily visible or apparent to most koi keepers. Sometimes we simply notice that our koi die without explanation. Perhaps the study by Perlmutter et al can throw some light on this phenomena.

Their study may indicate that fish kept in overcrowded conditions suffer impaired immune systems as a result of biochemical agents released into the water by the other fish living in the pond.

This may be nature's way of reducing a large population to more acceptable levels. The studies suggest that fish can release immune suppressing pheromones (hormones) in overcrowded conditions. This makes the other fish in the system less able to fight disease. To investigate their suspicions three separate experiments were set up. These involved different treatment and control groups. The first two experiments had 30, 15, 5 and 5 fish respectively. Four similar control groups were set up. Fish were assigned randomly among the groups. All ponds were the same size.

The water in the treatment groups had methylchloroform added to remove organic substances. The control groups were not treated but simply monitored. Ammonia, nitrate, dissolved oxygen, carbon dioxide and pH were monitored regularly.

The immune systems were challenged with infectious Pancreatic necrosis virus. All fish in the treatment and control groups were injected with the virus two weeks after the experiment began. Two week later they were injected again.

The researchers made antibody tests. These antibody measurements showed that maximum antibody reaction occurred three weeks after the second injection of the virus.

Looking through the results shows that the fish from the experimental groups had two to four times the antibody levels than the fish from the control groups.

As the level of crowding increased so the difference between the groups increased. The implication was that the methylchloroform was removing something from the water that affected the fish immune response.

This unknown factor was directly proportional to the crowding level

The greater the crowding level the greater the immune suppressing effect. The evidence suggested an immune suppressing pheromone was present.

To check their findings the authors then decided to refine a third experiment. This third experiment was run twice with each of the four treatment and control groups. These being 30, 15, 5 and 5 fish again.

The results were as follows.

- 1. The groups of fish at low stocking densities had twice the antibody level of the control groups.
- 2. The groups with slightly higher stocking densities had four times the antibodies present.
- 3. However, as the stocking densities increased the effect of the immune suppressing agent became more pronounced. There were less and less antibodies recorded in the test groups.

4. It is worth noting that even at low stocking densities there was a lower antibody count. This indicates that even at low stocking densities there is immune response suppression.

Conclusions: Low stocking densities can help minimise bacterial and viral disease problems. It is presumed that the fewer the fish in the water the less the concentration of pheromone present that suppress the immune system.

The lower the stocking density the lower the bacterial load on the pond.

The offending pheromone can be removed with proper chemical and physical techniques.

The importance of water changes should never be under estimated. Regular water changes will dilute the biological 'soup' the fish swim in. To save water utilise the pond water for watering the garden and supply the fish and pond with fresh water. Both will benefit, as will your pocket. The question arises as to how much water should be changed regularly. A minimum of 10% per week is advocated. However, there is strong evidence that larger water changes are extremely beneficial.

The use of activated carbon has been shown to remove organic agents such as pheromones.

Skimming the frothy bubbles or scum that forms on the surface of the pond (Dissolved Organic Compounds or DOC) from time to time will also lower the level of pheromones. The DOC should be removed from the system and not simply skimmed back into the filter

A last consideration. Perhaps we should select and remove koi from our collections regularly. As they grow and as we add new ones to the system voluntary removing the old ones which are not of good quality will have positive results.

- 1. The collection will be continually up-graded and improved.
- 2. The collection will be selectively 'culled' by the owner and not by mother nature taking things into her own hands when disease breaks out in overcrowded pond..

An experiment by Andy Moo

A number of years ago Andy Moo wrote in Koi USA that he achieved 23cm of growth in his koi in 6 months. What was fascinating in his article is that he stumbled upon the growth by accident. Initially, Andy kept seventeen 10 - 13cm koi in a 1500 litre show tank. He noticed that the fish always appeared hungry so he gave them a light feed every time he walked past. Much to his surprise these fish grew from their original size to 25 - 33cm in less than five months.

Excited about his "discovery" he followed the initial results with several other tests. He chose $45 \times 10 - 13$ cm "leftover" koi from his opening sale. These koi were placed in to his lily pond that is only 30cm - 60cm deep and has 5000 litres of water. Central to his experiments was the fact that he fed a good quality food and at estimated 2% body weight per day. This was increased up to 4% body weight per day as the temperature increased in summer. He increased the frequency of the feedings from four times a day up to twelve feeds per day.

Also central to the experiment was a high water turnover rate plus a large and efficient filter. At the end of just 166 days the average length of the 45 koi was 36cm. These tests were done in what we would consider a limited pond size and shallow depth. Andy observed that overall body conformation was excellent with none having potbellies, and with a few exceptions their colours did not fade but had actually improved.

If Andy can achieve growth like this in a relatively small pond, so can the rest of us.





2010 Kwa Zulu Natal Show.

The South African koi hobby is about 10 years younger than it's British counterpart but that's short enough to have caught up and provide koi shows that compete with ours. The KZN Show is one of those. SAKKS (South African Koi Keepers Society) has six chapters and each holds at least one koi show a year. The KZN, centred around the Durban area is one of the largest and currently shares the hosting of the SAKKS National with the Gauteng Chapter who are based in Johannesburg. It needs to be pointed out that most of these chapters are geographically larger than the UK. This year the SAKKS National was hosted by the Gauteng Chapter leaving the KZN to concentrate on their local

KZN like several other SAKKS Chapters invite foreign judges to their show and I was one of the lucky ones along with two other Brits, Doug Raby and John Anderson, as well as Louis Vanreusel, (the BKKS Judge, NVN Judge as well as a ZNA Judge). Although frequently seen on the UK circuit Louis is Belgian and a member of just about every European Koi Society. The final foreigner was Theo van Bladel, a prolific writer of articles for the NVN's magazine as well as the author of In de Ban van de Koi. Louis was honoured by being made the Chief Judge. We were to compliment the SAKKS Judges, Rene Schoenmaker, Kevin Harrison, Larry Hubbard, Jim Phillips, Brian Welch and Oosie Strydom

We were split into four teams and mine comprised of myself, John Anderson, and trainee Chris Jankovich under the leadership of Oosie Strydom. This was to be the fourth time I'd judged with Oosie and we've invariably picked the same fish in the same order. This show turned out to be no different with just one exception when Oosie chose a small Sanke as a first and I didn't. I suppose everybody has an off day and coincidentally John did too cos he backed Oosie over me.

This year's KZN show was cosponsored by the Lake Eland Game Reserve and Penrith Koi Farm. Penrith Koi Farm has already featured in an article in this magazine and we were privileged to be invited there after the show. Lake Eland's sponsorship included 2 nights accommodation at the game reserve for the judges and select KZN show personnel.

Like the majority of South African Koi



Shows that I've been to to-date, the KZN show is held in the car park of a major shopping centre. Theirs is the Gateway Theatre of Shopping in Umhlanga which is one of the largest in South Africa. There are some immediate advantages to this as the shopping centre has catering and toilet facilities on tap, saving the chapter the bother of organising them themselves.

Apart from the location the koi show itself would not appear out of place anywhere in the UK. The format is very familiar with a centre ring of just over 40 vats surrounded by dealers stands, an ice cream van, club stands and a few others, e.g. bonsai, reptiles etc and these days the quality

of the entrants is on a par with most major European shows from the GC to 3 six inch Ginrins.

This year there were 410 koi on show and the results bore some remarkable similarities to this year's National. The GC has an illustrious show history and the Baby Champ was a home grown Shiro Utsuri! Does that sound a bit familiar?

Like Koi shows all over the world the first job was to pick the Grand Champion and all judges were sent out to make their selection and return to the benching tent to discuss and vote. At ZNA shows the

Reserve Champion (runner up) is also decided at this point and at KZN we were asked to select the Jumbo A (Go Sanke) at the same time. There were four koi nominated for GC and a brief discussion ensued, but I believe the discussions was purely for the benefit of the trainees who observed the proceedings because when the vote was called it was an overwhelming majority for an 87cms Kohaku. The Reserve was chosen from the remaining three nominations and incidentally so was the Jumbo A. We then split up into our designated teams and Oosie's team was allocated size 2 and 8. Once we'd completed our sizes we merged with the remaining teams to judge the second round together. Here we were tasked with choosing the best in size which in ZNA terms is referred to as 'The Supreme'. From these 'Supremes' size I through 9, we then chose the major awards - Baby, Iunior and Mature Champions (3 sizes each). Once chosen these koi are relieved of their Supreme award which is then passed down to the 2nd in that size.

This year's Grand Champion was the 87cms Kohaku of Roy Pillay which I'd seen at the show in 2007 and 8 where it was a contender for GC on both occasions. I won't go into any more detail as I know a separate article about this koi will appear in this magazine.

Mature Champion owned by Karl Engelbrecht

With the exception of the Baby Champion I'll let the photos of the winners speak for themselves. This year's KZN Baby Champion was a homebred Shiro Utsuri entered by Jamie Stedman, owner of the Penrith Koi Farm. If my memory serves me well there were Shiro Utsuris in the running for every Supreme award up to and including size 5 and a fair proportion of these were bred by Jamie.

This Shiro was awarded the Baby Champ by a unanimous vote. Something I have been very aware of on previous visits is the large quantity of locally bred koi that are exhibited in South African koi shows. Firstly they are not obviously apparent; they blend in well with their imported cousins. My first encounters were with locally bred Koromos, but they have been overtaken by the locally bred Utsuris in more recent year By a happy coincidence this year's South East Friendship Trophy was to be awarded to a Shiro but our selection criteria calls for it to be owned by a hobbyist. My choice was a size 4 Shiro that also eventu-

ally won the Supreme size 4 award, which incidentally was owned by Harry Beckx, one of SAKKS' senior judges - a KZN member and therefore not permitted to judge his own show. It now turns out that 66% of the nine SE Friendship Trophies awarded in South Africa have gone to their judges which must mean that they can put their koi appreciation skills to good use when buying koi.

The next day there was a session where the judges talked over the vats explaining why each particular champion won, as well as a ZNA Training Seminar for ZNA members and another for SAKKS Trainee judges and then of course the prize giving ceremony. But in between the day was spent mingling with the crowd and talking koi to visitors, vendors and the odd exhibi-



tor. Amongst the vendors were the Squires' family, formerly members of the Southern Koi Group, a local club to me in England. They are now members of the Eastern Cape Chapter of SAKKS but were there helping out a friend on Wild Coast Koi stand. Another visitor was Tony Pitham MD of the Koi Water Barn. After the show we (Doug, John, their wives and I) were given a sight-seeing tour around Durban which included a visit to the Moses Mabhida Stadium where several world cup games took place before being whisked off to the Lake Eland Game Reserve to relax (it's a hard life being a koi judge, but somebody has to do it). And while we were there we were taken to the Penrith Koi Farm where the Baby Champion was bred.







The Penrith Koi Farm is located within a sugarcane plantation which is Jamie's main business. We arrived at a time of inactivity where the farm was concerned as well as a time of change. Jamie's breeding for the year was over and he was undertaking some major changes to the way the farm was going to operate. The old part of the farm is pretty similar to the Edeni and Knysna farms that I've covered in other articles, in that the ponds are dug into the ground. In Jamie's case these are lined as the local soil is very porous and the water table deep. The ponds are covered in netted enclosures to protect them from the birds. Around the base of each enclosure and the fence surrounding all the ponds are walls of plastic approximately 18inches high which are there to deter a local species of frog that would also predate on the fry. Only one pond contained any significant number of koi and these were reserved for a harvest for the local SAKKS chapter. While we were there this pond got fed and the tosai were mainly go-sanke and Shiro Utsuri but the mud-pond was understandably muddy and it was difficult to see the koi in any detail.

Back at the house there are sale ponds in several other netted enclosures and polytunnels. Guarding the house and facilities is a collection of dogs and a young Fallabella horse who appears to be the boss. The dogs include Jack Russells, a Bulldog and three Boerboels a native South African dog whose ancestry

is basically a melding of every species of Mastiff. Although they appear friendly their physical size is very unnerving. On my return I Googled them and learned that they are considered to be one of the very best guard dogs as well as a loyal family

At the homestead were also the parent koi ponds. My guess is that they were once Jamie's own koi ponds.

The newer part of the farm still under construction consists of the same netted enclosures but lack the anti-frog shields. The ponds are large 5metre circular structures fabricated from wire mesh and liners. These are raised from the ground and will

be used a low density growing on ponds. Jamie uses this type of pond in the main shop and is turning to these bigger versions out in the farm as they are frog proof.

After Jamie's it was back to the game park for the final night before departing back to Durban to chill out at Mike Harvey's house before being ferried to the airport to get our flights home. But it wasn't a case of goodbye more a case of 'see you soon' as all of us will be meeting up at the Holland Koi Show and then the South East. Not that I needed reminding, but Koi Shows are an essential part of our hobby and this trip just reinforced that – again.







There's hundreds of good reasons for visiting the NVN show......







2010 Show Dates



AUGUST

18th NVN Koi Dagen (Holland Koi Show), 20-22nd August at Kasteltuin, Arcen nr Venlo. The Netherlands.

26th PNKCA Convention,27-29th August Hosted by the Idaho Watergarden & Koi Society, Boise, Idaho, USA.

North East BKKS Open Show, 28 & 29th August at the Federation Brewery's Lancashire Suite, Dunston, Gateshead.

South East 24th Open Show, 29 & 30th August at Parkwood Hall School, Beechenlea Lane, Swanley, Kent. UK

SEPTEMBER

Midland Koi Association Closed Show, 11 & 12th September at Garden Organic, Ryton. UK

Koi Philippines 1st Koi Show, 20 - 26th September, at White Gold Club, Reclamation Area, Cobu City, Phillipines

Birmingham & West Midlands Closed Show, 25 & 26th September at Highdown Nurseries, Sugarloaf lane, near Stourbridge DY10 3PA. UK

OCTOBER

1st Ever Cambridge Koi Club Closed Show, 2nd October. At Mudds Drive, Threeholes, Cambridgeshire PE14 9JU UK.

18th annual Texas Koi & Fancy Goldfish Society Koi Show, 8 -10th October in San Antonio, Texas. see www.texaskoi.com

NOVEMBER

4th ZNA NorCal Koi Show, 13th & 14th November, at Holiday Inn San Jose, 1740 North First Street, San Jose, California, USA.

Thailand Koi Show, 27 & 28th November, venue TBD.

DECEMBER

46th ZNA All Japan Nishikigoi Show, 3-5th December, at Kochi Castle Park Area, Kochi City, Shikoku District.

Guangdong Koi Show, 4 & 5th December, < venue TBD..

Taiwan Koi Show, 11 & 12th December, venue TBD..

2011

FEBRUARY

2nd East Midlands Koi Club Winter Koi Show, 19-20th Febrary, at The Bretby Conference Centre, Burton on Trent, Staffordshire. UK

If your Koi Show is not found on these pages...
... Don't blame us.

We are only an e-mail away.

Adverts welcomed too.

Hot off the press.....

Our 2010 ZNA NorCal Koi show will be held on November 13-14, 2010 at the Holidays Inn San Jose, 1740 North First Street, San Jose, CA.

Please have our show information be printed as part of your Magazine Calanders for the next few months until November issue.

Here is the information for printing, We would like to invite you to attend our show as well. Please let us know if you can make it.

2010 ZNA NorCal Koi Show Date: November 13-14, 2010

Show Location: Holiday Inn San Jose Airport

1740 N. First Street San Jose, CA 95112

Contact Information

Larry Gill, President, (510) 352-7168, gelldu@sbcglobal.net

Dinh Nguyen, Show Chair, (408) 309-9119, ddinhnguyen@yahoo.com

Vendor Coordinator, Dan Rutledge, (831)338-7288, danrutledge95006@comcast.net

Website: www.znanorcal.org

--Dinh Nguyen ZNA NorCal

Hotspot - the e-mag of the South East



Speed up judging in South Africa with these Reebok training shoes.

Visiting judges to SAKKS shows will know that it's part of their custom to give the judging teams different coloured hats so that they can be easily located. Not a bad idea but I think these would be just as good, and may even be better as it might get one of their old codgers to move a bit faster. I'm naming no names but it rhymes with squelch and he's already famous for his footwear.

About the South East Koi Club.

The South East Section was founded in 1981 by a break away group from the London Section. It obtained Section status from the BKKS in 1982 and was expelled in 2009. It serves the counties of Kent, East Sussex, Surrey and Berkshire and the southern boroughs of London. It's neighbouring Koi Clubs are the South Kent to the south, Essex to the North, Worthing to the west and the MSB (Middlesex & Surrey Borders) to the northwest. The South East has a pretty stable membership generally numbering about 85 families. Almost since it's founding the SouthEast has participated in information exchange with overseas Koi clubs and continues to do so today.

Our 'Open' show is both an attraction to the UK Koi scene as well as Koi keepers from abroad. Every year the show attracts an increasing number of overseas visitors and through them a number of useful connections have been made which enhances our appreciation and understanding of the hobby. The show is always held on the August Public Holiday which generally falls on the last weekend of that month. Details can always be found on our web-site -

www.koi-clubs.com/SouthEast

The South East meets on every 4th Sunday of the month with the exception of December. Our meetings start at 2pm and we endeavour to have a speaker for 2 out of every 3 meetings. Those speakers generally cover Koi related subjects but occasionally we have one that diversifies a little e.g. Bonsai. Our current membership fees are £15 per family and details as well as a schedule of speakers can be found on our web-site.

South East contacts in regard to this E-Magazine are :-

Bernie Woollands - bernie@koipin.com and Brian Edwards - brianedw@hotmail.com

Koi Clubs participating in this exchange scheme are:-

- Nishikigoi Vereniging Nederland.
- Oregon Koi & Watergarden Soc.
- South African Koi Keepers Soc.
- NorCal Chapter ZNA (USA)
- Australian Koi
 Association AKA
- Mid Atlantic Koi Club
- Cambridge Koi Club
- ZNA Potomac Chapter
- Essex Section UK
- Texas Koi & Fancy Goldfish Soc.
- Cayman Island Koi Keepers
- Belgian Koi Society
- Banana Bar Koi Society.
- East Midlands Koi Club.
- North East Koi Club UK
- ZNA Guangdong Chapter.
- Southern Colorado Koi Club.
- KLAN (Germany)
- Koi Galen Sweden
- ZNA Viet Nam
- Midwest Pond & Koi Society (USA)

