



**NORTHERN GOLDFISH
& PONDKEEPERS
SOCIETY**
A Nationwide Society
NEWSLETTER



February 2021



The photos are from a Facebook video called 'Most Beautiful Fishes From Around The World That You Never See'. Bred on petfish farms in Thailand and Singapore it is a collection viewed more than 200,000 times. They exist, but not yet traded.

If you have Facebook, you can see them at: <https://fb.watch/32o9ztB9oA/> (or perhaps by just tapping – the postal members should get online!).

Spawning (and Quantum Mechanics)

During a BAS Zoom meeting it was stated that somehow the Goldfish spawning in one tank trigger spawning in a separate tank. This was assumed to be pheromones that would spread through a fish house via the water flow system. However, it was noted (by Bob Jones)

that it happened even if the tanks were not connected!

When quantum mechanics were discovered by Max Planck (and developed by Albert Einstein, Niels Bohr, Louis de Broglie, Erwin Schrodinger, Paul Dirac - Google their names for what & why) in the last century, the almost magical behaviour of all animals could be explained.

This has been applied to how birds find their way across continents, but I have yet to find a science paper of how Salmon can swim back to their original birth place, or how Goldfish trigger spawning. But it will be, and it will be Quantum Mechanical.

In classic biology, lifeforms are just a bunch of interacting chemicals. These

chemicals react via electron exchanges within the atoms, but in quantum mechanics the electrons are just waves of energy that may, or may not, exist. This dual property is called 'entanglement'.

Apparently the migrating birds look where they are going, the photons enter their eyes and take on this entanglement, where the energies have those two possible states, which makes them super sensitive to the magnetic fields that encircle planet Earth. This tells the bird's brain where they are and instinct tells them where to go.

No papers yet on Goldfish spawning but when published I am sure it will say that the 'Fields' of quantum energy that exist in total Universe space will affect separated Goldfish equally with spawning Goldfish affected by classic chemistry

pheromones. So Bob was right – and it is not magic.

New Member

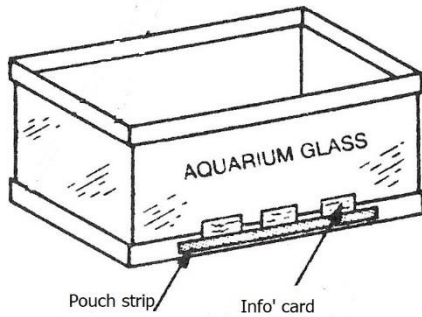
We welcome a new member of NGPS, from Wales he is Jamie Mullen and is member number 70. Jamie keeps Ranchus, Butterflies and more, and hopes to sell them under the name 'Mountain Goldfish'. You can see his fish house at:

<https://youtu.be/WfvGcBtwkN4>

Monthly Top Tip

Instead of sticking information posts on your fish house tanks (that become permanent) use a 'pouch strip' and use easily-changed cards.

The 'pouches' can be A4 Slide Binders available quite cheap on Amazon. Use double sticky tape.



Goldfish News

An American lady Goldfish Keeper once published a book about her experiences, called 'The Truth About Goldfish' which has been updated and republished as a Web-Based course on Goldfish Keeping. A paper version is available (from Las Vegas!) in USA 'Letter' size (slightly smaller than our A4) – here it is....

MEREDITH CLAWSON

The FULLY REVISED UPDATED EDITION
Truth About
Goldfish

DISCOVER THE ANSWERS
TO GOLDFISH SUCCESS



FROM THE MAKERS OF



There are over 200 pages of information on everything you would want to know about Goldfish. But not one photograph! Instead there are QR codes that you scan

with the photo app of your smart phone, which then shows a photograph and lots more information too.

It is available for a Reader, such as a Kindle. For more information type www.puregoldfish.com in your web browser. Or scan this QR image and tap the Link that appears at the top of your phone.

This is just one of the dozens that appear within the book.



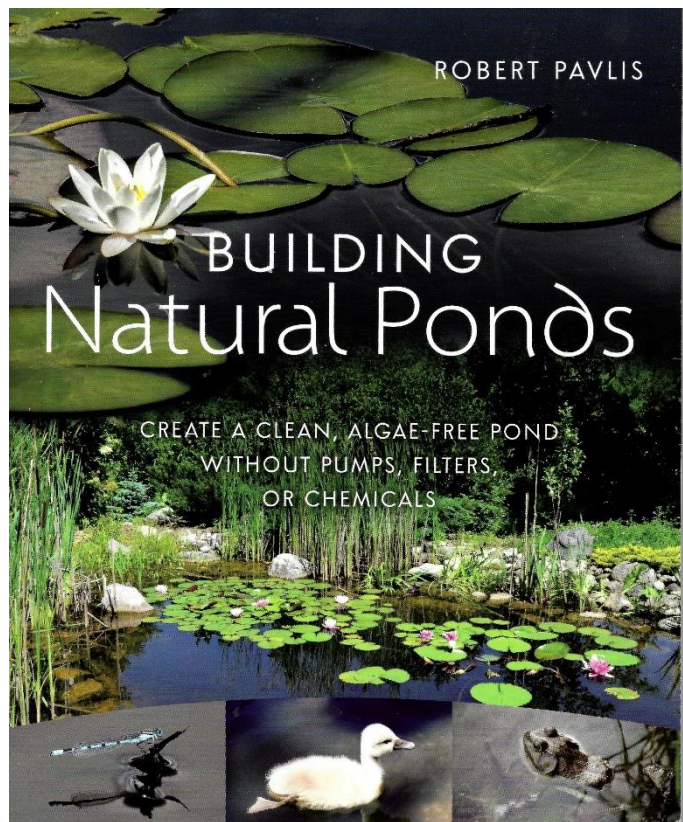
*Puregoldfish.com
(scan this code
with a QR code
reading app on
your phone)*

(I will take the Course and eventually publish a critique, hopefully with new ideas for our Top Tips – my paper copy will be distributed among members when Covid allows).

Pond News

The passing years, not to mention Covid, means a few members are reducing their commitment to the hobby. Some even say they are filling-in their ponds. Rather than doing this, why not change them to natural ponds. It even helps the environment. The best book I know on that subject is by the Canadian Gardener/author Robert Pavlis. It is available on Amazon at £12.99.

But my copy is available from NGPS Library on request.



Bristol Aquarists

As promised, their next Zoom meeting has the following details for NGPS members to join-in.

Topic: BAS Feb Meeting

Time: Feb 8, 2021 07:45 PM London

Join Zoom Meeting

<https://us02web.zoom.us/j/85034673128?pwd=dUdLSEE1bk93MkQySERqSEUrTjdUdz09>

Meeting ID: 850 3467 3128

Passcode: 310635

There will be a lecture by Neil Coleman on sourcing Breeder Stock from retail outlets. Hope you can join us – get the Zoom app well before that date to find how it works. Google (etc.) 'zoom.us'.

Your Chairman's Minutes for February

It is certainly true that there is some sort of 'universal stimulus' that sometimes sets off our Goldfish spawning at the same times. I will often receive reports of members having spawnings on the same day as I have, from all over the country. This will obviously likely involve different local weather conditions, but the phases of the moon, the day length etc will be the same, but the actual dates of the spawnings are not consistent from year to year, so it's not clear what the connection really is. Nor does it always work, sometimes one member will have an easy time spawning throughout the season when another using all the conditioning foods and tricks he knows can't persuade his fish to look at one another.

Mentioning the phases of the moon may sound far-fetched, but several members are convinced that they have a bearing on when they put their pairs together, I have to say that I have never noticed it to have any effect, but then I do not separate my males and females (In fact I have found problems with the males not producing milt when kept apart from the females) but observe them starting to chase in the evening and hand spawn the next morning. Could it be that those members timing their spawnings to moon phases and only putting them together at these times are actually preventing their fish spawning at other times by keeping them separate? It is certainly true that phases of the moon do very closely influence spawnings in several fish species in the wild and, in a different

wild, when I was teaching, the human youngsters I observed certainly displayed more extreme behaviours on the full moon (and during very windy weather). The old advice for initiating spawning was to put the males and females in the same tank and separate them by a sheet of glass so they could see each other but not touch and remove the glass shortly before the frustrated males battered their way through it. I rather doubt that the sexual visual stimulus is very strong in Goldfish and if this works it is probably because the waters are mixing and allowing the transmission of pheromone stimulation, certainly water taken from a tank where spawning has taken place if introduced to another tank can set the fish in that one off. I do not know how widely the glass pane separation was

actually practiced, I have never used it and I don't know of anyone else still doing so. Has any member used it or is still doing so ?

Temperature is certainly an influence on spawning. My most recent spawnings towards the end of last year all took place at approximately 60 degrees Fahrenheit (16 centigrade) that is somewhat cooler than is often recommended, they were naturally achieved with no extra heat, artificial heat is useful in the spring, when you really want your spawnings to take place but perhaps it's too easy to set the thermostat higher, higher temperatures mean less oxygen in the water and highly oxygenated water is without doubt a stimulus. I think that, within reason, absolute temperature is less important than a constant temperature between

night and day. In my experience that is very important, plummeting night time temperatures (clear skies - which often also give warm sunny days) really put them off. Thermostatically controlled heat does, of course, avoid this and this may be its most beneficial effect.

Light is of course important, most - but by no means all - spawnings start around the time the sun reaches the particular tank. So make sure your breeding tanks receive plenty of light. Feeding needs to be good and plentiful and **YOU DO NEED BOTH SEXES PRESENT.**

Members have in general remained safe through the pandemic, Neal Lloyd did catch the virus but is recovering and has, amazingly managed to spawn his calico Orandas in January, well done!

I was sorry to hear that Welsh Bob Jones has suffered a fire in his fish house destroying everything but he and his family are safe and ready to put everything right again.

I am sorry to report the death of an extremely nice gentleman, Mr Dennis Fryer, of the old Halifax Aquarists Society, he was not a member of Northern Goldfish but many will have known him. Our thoughts are with his family.

Dave's Aquarium, in Bolton, still have many good calico Lionheads for sale, they will make excellent breeding stock and are a variety seldom seen for sale .

Stay safe, back in March.

