
HEADLINE NEWS! There Is Absolutely Nothing New In Carp Bait (- OR IS THERE?!) ---

This is the incredibly misleading headline-grabbing title found on the front page of a prominent UK monthly carp fishing magazine! Does the writer of this really have a point? (He has previously already stated that fishing bait flavours do not work!) This is in complete contradiction to the fact that almost every bait substance used in carp baits over the decades intrinsically contain natural flavour or other forms of flavour components carp can detect. As carp can detect an enormous range of substances in solution (i.e. in water) even in a few parts per billion, even minor natural flavour components of a bait can inevitably lead to fish curiosity feeding at the very least when working synergistically within baits in solution!

For instance, a mere 1.85 millilitres per kilogram of dry base mix of a certain oleoresin turns a bait into a fiercely potent one - and no synthetic concentrated flavour is necessary of course! Many flavours are simply used to boost the detection potential of carp to be aware of your baits, or to enhance other factors about your bait but I term flavours as things like high potassium banan oil with high PC liquid lecithin or simple whey protein NZ131 in solution with liquid yeast for instance - great enhancement and nutritional boosting plus flavours and tastes packed with bioactive potential! (See my flavours secrets ebook and car and catfish secrets ebooks for more!)

It is certainly true that many bait secrets are hidden from all but the most advanced scientifically-minded anglers and bait-makers due to an ability to more fully comprehend, understand and apply the underlying science. But so many really potent bait secrets that can easily multiply your catches and keep you always ahead of the inevitable herd of follower not leader types are within easy reach of everyone - with a little help! So read on for some unbiased truth about baits!

One particular magazine bait guru plainly states he thinks betaine does not work to trigger carp feeding. mmm... The science does not agree with this opinion - for example fish will derive more nutritional benefits from baits containing betaine because it enhances other amino acids and not only this, when heated betaine splits amino acids into much more suitable polypeptides - ready for direct assimilation through the carp gut wall! Effects like this tend to make more instant and more habit-forming!

Fish tend to adapt at all times but obviously not certain humans with their fixed closed-mindedness regarding baits! Sometimes the truth is right in front of your face but you do not see it because you are afraid to admit you were wrong. If

I am wrong about anything I will admit it and move on because I am on the road to becoming right by adapting my mindset and expanding my awareness; endless great baits come from adaptation yet so many anglers follow the herd and do not adapt their thinking - that directly multiplies their catches in action!

*** Well-designed homemade boilies can equal and even out-fish readymades; think about it - how did all the old original readymade bait formulations of the biggest bait companies of today come into being 30 or 40 or more years ago but on the kitchen table or in garden sheds?! Specifically adapted or manipulated readymade baits or readymade boilie and paste base mixes can out-fish the most popular standard readymade baits - including boilies, pellets, pastes, particles, meat and fish and other baits (and this is the whole point of all my ebooks - you can save money by actually catching more fish due to the unique potency, and optimised performance plus other factors and alternative characteristics of your baits) - FACT! ***

Many bait writers have made the mistake of making points about substances as if they were absolute scientific facts when maybe they were actually providing their own interpretations of results of even skewed conclusions about scientific substance testing that simply did not reflect changing natural conditions in any particular swim. Many tank tests on immature fish are exceedingly misleading. To test a single commercial bait flavour in neat form is not the most scientific test and to say that a certain flavour does not work if it does not induce instant feeding is totally ignoring endless variable factors that actually can hide the fact that it does work!

Some bait writers never consider that in their highly dubious fish tank bait substances tests the true power of many bait substances is released when in the presence of perhaps just one other substance (- it could be water or almost anything! E.g. betaine splits proteins into polypeptides when heated - so making your baits even more stimulatory by releasing higher concentrations of freely soluble amino acids and peptides; and when used in generous concentrations in baits, betaine HCL reacts with water producing bubbles of carbonic acid - that fish are highly sensitive to! (Note See CC Moore Weedbeater baits - I have a feeling a related effect is going on...)

The dispersal of bait substances is the basic way baits work but is so often underexploited and under-maximised. It took me the last few years of testing baits on moving water in rivers to really get my baits to a point where I knew from my numbers of bites that their controlled dispersal of substances and their interaction with water and fish senses was ideal!

On this point it is more effective to use powdered flavours, enhancers and palatants and etc than just use the liquid forms - thus extending impacts in water and on fish senses for much longer! bait substances

A bubbling from inside your bait as water penetrates draws even more attention to your bait - but also massively improves the dynamic way water gets sucked inside your bait and hydrates it pumping bait substances back out into the water column - at different layers!) Did you know that lactose concentrate improves the digestion of milk fractions by lowering the pH of gut conditions or that adding supplemental taurine to your baits will help enhance them while improving the conversion of proteins carp utilise for growth and repair? These seemingly minor insights and ideas can easily make all the difference in modern fishing on competitive fisheries where you need your bait to out-compete other baits - or achieve any extra competitive edges in order to overcome bigger fish caution even more to be able to hook

them!

These are simple facts much over-looked or not even known by most anglers - these and countless other such aspects of bait improvement are available to everyone with an open mind with a willingness to read, observe and exploit to enable them to catch MANY MORE fish!

Whatever anyone says to the contrary – you will always keep on catching fish even on your simple homemade baits despite your baits not being sorted down the first, second or third limiting amino acid. In fact the proof of this is absolutely everywhere down the decades - as very few bait companies have ever been

sophisticated enough to design their baits this way! Carp can be caught with simple baits that are genuinely addictive and not even based on protein or amino acid attraction! There will always be carp bait secrets both in terms of yet to be discovered scientific discoveries, substances that work despite a lack of scientific basis and those things that work more due to the fact that carp are dynamically associative learning individuals each with a unique capacity for adaptation to new opportunities for available energy and able to avoid threats because their greatest instinct is for survival!

Now obviously anyone who is arrogant enough to state that there is nothing new in carp baits today is very severely deluded! Science is only based on what science knows today yet science knows virtually nothing about most things despite what school books might pretend to condition us to believe! If you are feeling some resistance here it just proves you have been very well-conditioned – just in the same way we ideally would condition fish to our baits!! How many of you realise that subtle electrical fields are detected by carp around your rigs and in the water around your leads, hooks, swivels and even your boilies (full of ion exchangers and electrolytes etc!)

On this basis what can you deduce might be going on in the detection of inert rubber or plastic fake baits too - regardless of whether they reflect or give off ultraviolet light in daytime in turbid waters or at night? Carp being predominantly suction filter feeders spend much of their time with their heads buried in suspended particles when actually actively feeding; so is it any surprise that carp are sensitive to both the infrared and ultraviolet ranges of the light spectrum?! Certain proteins in natural aquatic food items fluoresce or give off electrochemical light energy which I have no doubt carp naturally exploit; but carp science has yet to catch up on this point (and which is precisely the point of this article!)

And the trouble with pretty much all but one of the carp magazines (Carp Fisher) is that they are blatant advertising vehicles – so how can you possibly spot the real unbiased truth about baits from these today?! It could be argued that most articles about carp baits 25 plus years ago were much more aligned with integrity and truth with very little bias in the commercial sense that is seen universally today in carp fishing magazines!

So science is not the ultimate answer nor limiting factor to potential carp baits because it is always out of date! For instance, until this month – scientists thought we need both sides of our brain (present and intact,) to enable us to have full left and right fields of vision in our left and right eyes. But no, in July 2009 science was proven wrong – yet again! You see a girl has recently been scientifically tested because she was born with only her left brain hemisphere - and yet she lives a normal life! Even more incredibly, her optic nerves connecting her eyes to her brain have connected to the single hemisphere she has, her brain adapted and miraculously she has normal left and right fields of vision!

Now before this case scientists stated this was all impossible – but they are so arrogant trapped in their entrenched ego-locked career-driven microcosms they cannot let go and see the truth of just how little they really know after all Newton was proven wrong, and even Einstein too...

Today's science has come a long way in the last 100 years especially but for everything we know it just shows us more that we don't yet have a clue about! More is known about space than our brains, minds and consciousness. In fact we know more about space than the deep oceans; yet no-one can tell us exactly where eels mate! Until literally months ago even the mythical existence of giant squid was denied by science – until a real giant estimated by experts at the famous Woods Hole Oceanographic Institute to be at least 60 to 90 feet long was photographed. This was done by using a tiny camera on the back of a live 5 foot long squid that was sent down as natural bait for the monsters below! On average 37 new species are found in the deep seas every week!

There are many life-saving new potential drug substances being lost by the mass clearance of rainforests for planting of soya bean, coffee, coco and castor oil plants and other bio fuel crops etc. The plants themselves will not even have been identified as new species and substances they offer will never be identified by science – because they will already be extinct! I think it makes great sense here to state bluntly that we need to stop using fish meals in carp baits if we have any realisation of just how fast fish are disappearing from our seas and oceans – many areas are completely barren today. In fact the reason that the commonly used fishmeal LT94 from Norway is in such short supply is due to the Norwegians and other nations fishing the North sea, having their yearly catch quotas cut because the fish stocks are simply not able to replenish themselves fast enough to recover without danger of being completely wiped out.

Using fish meal baits is not ethically sound! Like any other creatures, you need a minimum gene pool in existence, below which a species is extremely vulnerable to extinction. It is

no justification saying that LT94 is made from fishing bye-catch as the existence of all species in an ecosystem are all related and that means to us humans too! In fact the reason that enzyme-treated fish proteins became so incredibly important and became added to carp bait armoury was because South America need an efficient protein source for poorer populations. I hate to say it but the record porbeagle sharks that roamed off the Isle of Wight are few today – when apex predators like that are over-fished it pretty much indicates whole ecosystems are in danger. It is like the krill populations being massively over-fished yet the earths biggest creatures the blue whale depend upon them to survive.

Ethically it is better to use grain fed poultry meal for sustainable protein than fish proteins, LT94 or krill meals and extracts – does the pleasure of helping wipe out species taint the pleasure of landing one more big carp?! The availability of basic commodities of earth has just recently past a tipping point where the earth cannot sustain human demand by replenishing itself... This should definitely be taken into account when choosing bait ingredients!

This bait contains NO fishmeal yet versions if it caught me 15 UK forties... All the global warming or carbon footprint stuff is part of the problem of course but the big problem is that constant consumerism is the lifeblood of capitalism and need you to keep on buying stuff – which the earth simply cannot keep providing without it changing big-time and making our lives a hell of lack of vital resources and deadly weather extremes in return! Much of the crazy record weather patterns of recent years are related to de-forestation and carbon emissions from jet planes trails which magnify the suns radiation in our atmosphere, plus the exhaust from 4 by 4s etc magnify effects much closer to the earths surface. (The holes in the ozone layer are not mended by the masses of nuclear arms tests either!) It is bad enough that we are already bombarded by radioactive radon which naturally is formed from the decay of uranium found in abundance in areas such as northern Europe!

Everything is connected and happening at once today yet science can only measure what has happened in the past not truly in real time because results take time to compile and evaluate accurately and thus are consistently and reliably out of date!

I can state such things as I have 2 relations who are science professors; one is a quantum physicist and the other is Professor Catherine Rice Evens head of the antioxidant research group at Kings College London, University of London – check her out! She is a world name in antioxidant research into things like flavonoids and free radical research. Such research and conversations with her have led me into investigating applications and uses of potent bioactive substances, both the familiar and unfamiliar ones for use in baits because it is very clear carp are very attracted to potent antioxidant substances. Examples range from betaine, Carophyll forms, cantaxanthin, lecithins, and an incredible variety of other substances from yeasts, plants, animals, fish and marine life, algae and bacteria and other things too!

Even amino acids have antioxidant properties. The most potent antioxidant vegetable is garlic. In the early Nineties bait master Rod Hutchinson creator of Scopex, Monster Crab and many other legendary baits and flavours whom most everyone copied to some degree told me something very interesting. He said his favourite flavour was his own blueberry flavour – this was regardless of all the other great flavours including Mulberry Florentine, Megaspice and so on.

Above even goji berry and acai berry the most potently bioactive fruit is blueberry. Think too about other carp greats – cranberry, mulberry, blackcurrant etc; bioflavonoids are just a part of their power - but there is far more than fruits. What about spices – is there any coincidence that you find probably the most potently bioactive spice substances such as the phenylpropanoids class of chemical compounds including the polyphenol called eugenol is found in many of the best carp bait flavours?

From clove, nutmeg and cinnamon, to basil essential oil, and even according to my sources in the thymol (from thyme oil) used in certain top Tutti Fruitti flavours... Everyone and their dog must have heard about the bioactive impacts of black pepper oil and chilli oils components (e.g. capsicum oleoresins, piperines etc.) But there are many potent groups of compounds and combinations besides just the ones being utilised in carp baits today! (But there is nothing new in carp baits?!) Just Combining vanillin (vanilla oleoresin) with geranium terpenes and clove terpenes for example and you have something new – its easy!

It seems that certain aggressively shaven-headed bait writers do not factor in such things – perhaps because they think flavours do not work or more likely are ignorant of such substances mechanisms of effect in carp (not that they would ever admit it God forbid!) The same may be argued of addictive sweeteners among a goodly number of other examples...

Aging is caused primarily by DNA damage by free radicals and oxidation (the use of oxygen in the burning and releasing energy in the body,) plus other reasons, which can be stopped or massively reduced by the intake of very potent antioxidant substances – which carp happen to be drawn to instinctively although some writers seem to completely ignore such aspects of bait! (Just one example is that cantaxanthin becomes progressively more addictive the more it is consumed by carp.)

I myself studied plant sciences, soil science, plant genetics and commercial horticulture for 5 years at Writtle and my aunt has a PhD in soil science. My other (good) half Debs is a PhD biochemist who has edited the un-published proofs and manuscripts of leading books and science papers around the world for decades – many of which I have read myself. 3 other relatives of mine went to Oxford or Cambridge Universities and I have had their inputs in forming my bigger picture of the reality of things beyond conventional media too.

Carp fishing involves the appliance of science yet much of how baits actually work is based on guesswork. Any simpleton can state that you do not need to know any secrets about carp nor carp bait to catch carp, but then that will reflect what little he catches because the use of normally hidden knowledge is true power! It pays to know really powerful facts such as using certain semi-essential and non-essential amino acids in baits even in low doses can certainly out-fish baits designed to provide all 10 essential amino acids using biologically available ingredients and additives and liquids, crystals etc!

In other words your bait does not absolutely have to be a standard HNV bait based on milk proteins such as whey protein and casein. Neither does an HNV bait have to be based on something like LT94 fishmeal or substitutes such as United Fish Industries Irish Organic 68 percent fish meal (or UFI 68 for short.) you do not always have to boost your baits with something such as a soluble fish protein concentrate like Sopropeche CPSP 90. (CPSP is the brand name, as in Concentré de Protéines Solubles de poisson and has a protein digestibility of 90 percent – similar to LT94.)

A really successful homemade bait with NO fish meal...

One of the high profile God-almighty bait gurus of the moment in fancy magazines cannot even explain precisely how flavours work any more than explain how amino acids actually work at first contact with carp! They might know parts of the mystery of what happens to amino acids once inside a carp but such paragons always choose to omit all those other things they do not know, do not understand, or have never even thought of until someone else has enlightened them!

For instance, can one of these HNV bait Gods explain how it is that carp olfactory membrane involved in the sense of smell still indicates extremely significant transduction when all specialised receptors on the cilia

have been removed?! The surface of the carp nose (just like ours) is permeated with dense concentrations of hair-like projections called cilia, covered in millions of specially-adapted receptor cells sensitive to substances carp need to survive (like amino acids and trace elements minerals etc) and which are able to cross adapt in order to exploit new substances or to detect new threats. Transduction is the bio-chemical electrical nervous responses involving special proteins in specialised receptor cells in the nose (or nasal openings) of carp for instance.)

I contacted many of the biggest UK bait company bosses and not one of them could answer me precisely how flavours really work in terms of how they are detected except Rod Hutchinson who indicated as much. But you would think they would actually know how the most basic thing as exactly how their products work! This is because they definitely give you that impression by using all those flashy techno names like B-this, K-this and T- that!

You see my big problem relates to this kind of example:
Water is the worlds most efficient ioniser meaning that our bait substances dissolve into it extremely well and these substances can then be detected as they wash around the sensory cells on the microscopic cell-covered hairs right? After all these guys insist that the carp detection of substances, from flavours to quaternary ammonium bases, to amino acids and organic acids like butyric acid must have something to do with the exchange of ions at the receptor cells. (Betaine and salts are great examples of ion exchangers of course. Carp do not even detect all the same stimulatory amino acids in their smell organs as they do using their internal or external taste (gustatory) organs and senses. When tested, the set of amino acids that most stimulates smell causing feeding differs from the set which most stimulates feeding via the gustatory senses...

This should really make you think what the heck is going on when a carp senses your bait using all its senses at once. It is my feeling they can see the ultraviolet given off by certain aquatic-born proteins too – time will tell but we still know very little about carp senses because lets face it we know barely anything about the human brain yet so how can we possibly know about the in-sentient carp brain?! For all those carp anglers who think they know that carp smell their protein food using the water-borne ion exchange that occurs in the nose at the cilia in the olfactory membrane, so resulting in nerve transduction - I will let you into a little secret. Carp cannot possibly depend on this to smell their most essential amino acids that keep them alive!

They must have some other unknown sensory mechanism occurring; the evidence is clear! (Refer to the Oxford chemistry journal volume 14, number 2 and the abstract from the twenty-second symposium on taste and smell entitled: Odor discrimination and transduction

mechanisms in olfaction by Makoto Kashiwayanagi.)

In this leading Japanese experiment on olfactory transduction via cilia all the carp olfactory cilia were removed, yet a highly significant transduction response to amino acids occurred during testing. How can this be – all the carp anglers are claiming that ion induced transduction is how flavours and amino acids etc are detected?! Not only this, but in related experiments in the bull frog and stink turtle, the olfactory membrane was stimulated using substances containing no ions at all! (But remember -There is nothing new in carp baits is there?!)

None of these bait guru guys will tell you much of this stuff simply because of one fact – they do not know it all; and they hate to admit being ignorant and that their baits are ultimately only designed on conjecture and guesswork! And as one biochemist once said to me; there are few scientific absolutes in carp baits!

Sure you might think no because you are attached to carp needing those vital 10 amino acids for instance, but there is more to fish than being stationary robots – they are actively evolving dynamic beings responding and adapting to every single threat and opportunity for new energy sources in their environment. They are obviously far more sensitive than science has yet proven! I think carp bait gurus egos are simply too sensitive unfortunately to admit the truth. Is the statement there is absolutely nothing new in carp bait, true – what do you think?!

You can fool carp into thinking they are going to get more from a bait than they really get yet they can be fooled time and time again with baits that are far from complete limiting amino acid-sorted HNV baits. The major palatability factor in fish meals (and in fact related to the immensely nutritionally-rich sea weeds and spirulina) is the amino acid called glutamine.

Palatability is extremely important in carp baits because it dictates the willingness of carp to actually consume and swallow baits – repeatedly; so giving you the maximum potential for the highest number of times your hook baits get picked up and actually taken back into the mouth and hooking carp. Sure you can cheat and add MSG or monosodium glutamate to your baits just like they do in Chinese takeaways but this leaves a bad after-taste and digestive problems too, like eating hydrogenated vegetable oil or the oxidised oils like those in less that really fresh high oil marine pellets.

For instance, in just once test packed my homemade baits with a really special abalone extract extremely high in glutamine and the

response in all my baits including my fish meal, milk protein and much cheaper chick pea and maize flour type baits for instance have all improved. (Pretty much all maize products have very high palatability because one of the most powerful stimulators of the carp palatal sensory cells is betaine – and this is in abundance in maize and incidentally in all the related sweetcorn strains etc too.) But then 2 baits we all know that are addictive to carp – hemp seed and peanuts have chemicals that hit the basic carp brain and hit the more evolved human brain with that just one more effect so more can be leveraged than mere amino acids or betaine.

A koi feed formulation expert from Holland with 22 years experience assured me that a mere 1 gram of betaine in a kilogram of boilie base mix is enough to make all the difference in bait palatability towards achieving repeated swallowing of feed or baits (while enhancing the taste other substances including flavours of liquid and dry ingredients and liquid amino acids complexes etc...

Lactose is milk sugar many anglers swear by and in fact our adult human systems find it an irritant even in some extent to fatal over-sensitisation over years of being exposed to it. You may have noticed it in all kinds of foods wondering why it was included; because it is addictive. In fact sugars of many kinds not only provide an instant energy boost but are proven to alter DNA. This is to the extent that if you did not have a sweet tooth, but developed one perhaps by getting into the habit of having a high sugar Snickers bar or sugary drink like Coke or Fanta very frequently your grand children will be born with a sweet tooth due to the DNA alterations your habit brought on.

Everyone knows food producers pack sugars and salts into foods as much as possible. Taste receptors adapt and change to become even more sensitive to many substances including these. The result is your body ends up craving foods with these in preference to those foods without these, such as wheat or gluten free natural heath bars without sugar, salts and packed with coconut and sesame seeds etc.

I am awaiting a delivery of silk worm pupae from Asia from a guy who designed the first paste-form koi food for the UK market with professors from Exeter University. This stuff have very special factors quite apart from contributing essential amino acids for instance. Some things are worth the effort getting when the rewards can be so high. The same goes for the superior palatability of lobworm meal for carp (as opposed to other worm species!)

All is not quite what it seems in carp baits and their

workings and impacts on carp and it is very easy to make your conjectures and assumptions fit whatever mental picture of how things fit together using the knowledge you know right now. Unfortunately this is where so much science gets lost in translation; as in quantum physics, it's a bit like the act of observation that can actually skew results. The criteria you use to analyse data, teamed with any particular pre-conceptions even at the unconscious level will easily mangle objective scientific conclusions of scientific tests or even real life fishing catch results feedback!

Not only this, but not all parameters of tests cannot be completely and utterly removed in every case – especially in the case of live adaptable creatures so tests can easily provide misleading results. Think about it; you see a classic case of a breakthrough experiment in your school books and take that as scientific absolutes, as the truth, yet such results can easily be flawed! The periodic table is certainly far from complete and meteorites and even the odd new atom have had to be added along the way...

You can fool carp into responding to what would in the past be termed crap baits by the specific choice of particular additive or ingredients that will make all the difference. (This includes at least 2 substances in the quaternary ammonium bases group which most leading bait designers should by now be very well aware of!)

I could mention there are more stimulatory types of chlorophyll than that green stuff you see so obviously in green algae like spirulina or in seaweeds like kelp for instance. On this point the umami taste of the Japanese is something else to ponder as is the use of innovative ways to use seaweeds such as my idea of using Suchi Nori seaweed sheet around rigs etc. The limit is also not the Chlorophyll Red that some claim is in the legendary additive Robin Red. (I have read a statement from the originators stating this is not and never has been a part of the formula!)

The antioxidant pigment called cantaxanthin is a great stimulant that grows in effect the more carp consume it; it is that red pigment you see in krill, prawns and shrimps, lobsters and other surprising places too. But this is just one form and other synthetic ones also exist and are yet to be exploited! Much talk of energy-efficiency in terms of biological values are expressed but frankly it all comes down to metabolism and so many known and obscure substances boost metabolism and have very significant thermogenic effects in many ways every bit as impactful internally in carp as amino acids for instance. (Poultry protein, tiger nuts and salmon meal among many others for instance, all have significant thermogenic effects besides all those high protein ingredients that might immediately spring to mind!

The fact is carp live for the moment and although they have

memories they still eat when their hormones, nutrition and energy levels and gustatory senses biofeedback etc tell them to feed. Even if the bait in front of them has only 12 percent digestible percent protein and severely lacking in lysine or tryptophan or methionine or cysteine for instance, but is pounding their carp senses with biofeedback loops resulting from all kinds of various potent bioactive substances; they will succumb!

The legendary Richworth flavour called Tutti Fruitti is probably the most well-known example of a complex thermogenic booster most effective in winter because it boosts carp metabolism, (perhaps this is besides the Rod Hutchinson legendary flavour – Scopex, which is also a winter great!) Yet one of substances within the Tutti Fruitti formula used over a certain level would be toxic, but then that can be said of almost any potent drug – even alcohol of course!

Anyone who has ever caught a carp on anything less than a complex high nutritional value bait (sorted for first and second even third limiting amino acids so it contains optimums of essential amino acids for carp,) will know carp are trained by anglers baits, tackle and by angler presence at a water; resulting in both positive and negative carp behavioural effects! All these keep changing, but survival is the major instinct for carp first and foremost. It is inevitable that certain bait formats once sussed by carp can often never be taken by certain more wary carp ever again even if they offer great energy-efficient nutrition! This is one reason I hate using very popular readymade baits – you never know when any individual carp might have already been messed-up by already being hooked on that very same bait! Why reduce your chances straight away by being lazy about bait; being unique pays you back with 100 percent personal confidence - and homemade baits cannot be beaten in this respect!

In contrast to stimulant-packed boilies and pellets etc, the wariest of all carp can fall to a bait with no food signals or hormones of any kind. Carp are acutely sensitive to changes in their environment and actively investigate anything new, whether it be food or not. (And items stimulating curiosity feeding certainly do not need to glow in the dark to be detected either!) It sometimes seems like some carp bait makers think carp are just a load of nutrients stuck together by electrical fields and not the supremely adapted dynamically learning and actively evolving individually unique diversifying DNA-carrying beings they really are!

Carp are extremely efficient at getting their needs met through the digestion of amino acids – after all, they cannot hop onto land and chomp on a primarily carbohydrate –based diet unlike humans. It has been noted that very many bigger carp are hooked during certain key moon phases. Although this is connected to subtle energies that affect all life on earth to varying degrees, one of the direct manifestations of these is the way that aquatic invertebrates hatch from the larvae or nymph stage for example into adults. When

this occurs en-masse those energy-efficient carp get munching big-time as such natural food items are extremely essential amino acid-rich and easily digested by carp. In fact cultures and tribes around the world still depend upon soil-borne grubs and larvae and even adult insects and spiders for protein; from worms and caterpillars, to locusts, from traditional Australian Aborigines to South American rainforest tribes and those closer to home.

Both carp natural food items and carp are affected by the moon phases just like we humans are because we are predominantly composed of water, (consider what happens every month with tides.) Just think of the female monthly ovulation cycle when normal, corresponding to moon phases. Big carp are well known to feed rather more enthusiastically during certain moon phases – I personally have no doubt about it. The electromagnetic fields of the earth change which definitely affects us all in very subtle ways. How do you think the female body is triggered so it knows when exactly ovulation should take place; every cell is self-intelligent. Just recently it has been found that sperm cells can be formed from stem cells, but until now such a fact would have been thought impossible. (Are blokes now redundant?!)

As Hamlet says: And therefore as a stranger give it welcome
- there are more things in heaven and earth, Horatio, than are dreamt of in your philosophy!

Yes the absolute certainty is that there is much more new to be found in carp and carp baits than any sadly self-deluded egomaniac ever dreamt of!

Sure anyone can mass bait pretty much any bait and get a hit of fish for a limited time, but after being hooked enough times any HNV bait will not have the edge this super bait is supposed to have. Anyway, if HNV baits were really so great anglers using them would all be catching 10 times the amount of carp that other anglers using instant attractor and fake baits often do – and all the time right?!

In fact much of the time the design of nutritional baits incorporates aspects of instant baits at the same time; are not NHV baits also instant baits if they catch on the first cast too?

And invariably it is the new baits which carp have much less reason to fear that are the all-conquering dream baits the bait companies like to lead everyone to believe they are, but it is a fact that new baits are best

when they are still in effect new and not hammered to death on a water! They say no great bait blows but frankly any bait will reduce in effect if a carp is terrified of it due to being hooked on it a few times!

There seems to be a section of anglers usually those running a bait company, who seem to want to make bait making sound like rocket science to the degree that if a baits design it does not sound like rocket science they basically claim it won't catch carp in the face of competing baits based on rocket science type design!

The fact is things have changed so much in the last 30 years in carp fishing, that most of the nutritional factors that carp essentially need throughout the year are getting largely met by the large proportion of anglers baits. This means most angler's baits have much less edges over competing baits than in previous decades. Note that it is frequently the case that in most carp waters, a range of nutritional carp baits are being eaten by carp simultaneously all the time in conjunction with natural food items which are often elevated in abundance due to the regular introduction of anglers free baits.

So you now have the modern carp fishing situation where the aim of bait is not just to get hooks in carp mouths but to out-compete the effects and impacts of competing baits any ethical edge can make all the difference. Designing baits just to cover nutritional vital needs of carp will not ensure it out-competes the effects and impacts of competing baits far from it.

Now when some commercial bait maker claims flavours do not work, and proclaims that there is absolutely nothing new in carp bait you just know that old saying is applicable; pride come before a fall (usually a big one!) I bet this amino acid and polypeptide hypnotised narrow-minded genius will research the cumulatively addictive effects of sugars upon DNA; now it has been stated here! (Although I have a feeling fear of being wrong and an unbridled ego will prevent this...)

No-one seriously thinks hemp would be the super carp bait it is based purely on its amino acid profile and lipid qualities. There is far more going on including live enzymes and very potent bioactive substances. When things work together not just with themselves but within a natural organism things can get very potent indeed despite on the surface not being special at all; many flavours do not impact on carp response systems, but some of their key components when inside the fish and ingested repeatedly can induce powerful effects and even biological changes such as chemical hormone mood and behaviour changes and even DNA alterations over enough exposure time.

Humans are just the same as carp because we both are programmed to survive by taking the easy routes to our energy. If it comes in predigested fish protein bait ingredients, or whey protein energy bar form, or peanuts snacks, crisps or chocolate bar form it does not matter; we both adapt to seek the most energy efficient food items most readily available in our environments. The human obesity epidemic today is as much related to the affordable availability and time to eat carbohydrate foods mainly rich in sugars and wheat flour and to a lesser degree in saturated and other fat forms. The protruding livers of many carp today plus the huge numbers with unnaturally large fat distorted bellies, echo such behaviours and negative impacts.

The fact is where food is abundant instant energy forms of food that spike blood sugar levels get to be addictive. The thought of eating food items, that provide nutrients we need to keep us healthy such as key minerals and trace elements and essential amino acids are far less instinctively important compared to getting that instant energy hit.

Yes it may be true that when fat and other stored energy reserves are low such as when someone is lost in a jungle for 2 weeks, and then possibly dreams of amino acid rich burgers will dominate thoughts! Yes it is a fact that without the essential amino acids, processes such as cellular respiration and even digestion itself by acid or alkali digestive enzymes, will start to fail.

Natural systems often involve a cascade effect when they begin to fail because they are inter-connected and in essence operate as one whole; just as unsustainable and unbalanced human commercial and domestic activities impact so drastically on sea temperatures and weather systems of this planet. This is also why using especially potent drugs help humans re-balance diseases; and so enable the body to cure itself.

This is also why the use of any of a multitude of new potent bioactive substances in carp baits will be so effective. Sure bioactives such as tomato carotenoids like lycopene, chilli pepper capsaicinoids, black pepper piperines and garlic allicin are used by commercial and homemade bait makers everywhere. Many other antioxidants and metabolism stimulants, probiotics, prebiotics and many other forms and effects of these and other substances that promote improved carp energy efficiency and digestion, better organ functioning, better performance of high density lipoproteins and fat metabolism for energy, more balanced health, and better carp growth, are already very well proven in carp baits.

But who knows what commercial secrets and as yet unknown to science, substances exist?! The fact is there are natural cures to diseases being lost every day because plants are going extinct which have not even been discovered yet. But who am I to argue that there really is always something potentially new to be found for very effective use in carp baits? After all, should I not bow down to someone else's opinion because he runs a bait company?

I have relatives who are professors in various areas including quantum physics and cancer research including international research into antioxidant potencies and applications. I have other relatives who went to Oxford and Cambridge Universities and have even been banqueted by royalty during their careers. I know first-hand as a result of this contact with them just how so-called educated people can be afraid of being ignorant or even wrong and it happens all the time.

Scientists are always having to adjust their theories and so many scientific absolutes; and science being the new religion is the reference point we now use that provides any rational meaning to our reality. Unfortunately our present technology simply has not evolved sufficiently to measure things to truly absolute levels and probably will not for a very long time to come (if at all!) Of course science is about proving possible events and outcomes by repetition of results and this practice has flaws too; in the act of doing something you become part of the process also and present another variable. In fact there are so many pertinent experiments that cannot be carried out due to scientific limitations it makes you wonder at times if science has anything right at all.

Many carp anglers and bait makers make grand claims about their tank tests results when testing their baits. It is quite hilarious how they put various substances into a tank inevitably with what are really adolescent carp and not the mature older specimens we are really aiming to catch anyway (and with different nutritional requirements.) A lot of what you might read about carp anglers conclusions about bait and carp is based on tank tests from Israel, Japan or the States where one or more variables are not accounted for nor even stated in the abstract or journal article!

For example, this might be what the pH or temperature of tested water was, or the actual locations and activities of scientists around the tanks and fish themselves and how this might well impact on fish behaviours, feeding and stress levels etc. Real fishing waters with carp are very often full of background chemical clutter like ammonia and many dissolved minerals and acids of many forms and these must all be taken into account too. I have noticed it is very easy for one scientist to have a totally different interpretation of scientific data results from another scientist.

Much comes down to quality of personal mind-mapping, previous experience and knowledge of the situation which will obviously bias the way results are interpreted; just like doctors not conferring over the same symptoms; so giving different diagnoses. But very often, results are presented in language or formats that make it possible for them to be interpreted in various ways and even misinterpreted or skewed for various effects. My partner who happens to be a PhD biochemist and law graduate and court transcriber has noticed the degree to which evidence can be presented to particular effect for various purposes. Much can be added or lost in translation!

When someone who has letters behind their name (or not in the case of our non-scientist absolutely nothing new friend,) tells you something is a scientific absolute I tend to take it all with a pinch of salt. For anyone who doubts me, look up the laws of gravity and then find the phenomenon known as the Hutchison Effect where milk can float up into the air (leaving its container behind...) Everyone knows Einstein was wrong in very many things the world took as scientific absolute; he even admitted it later in life!

Science does not know what it does not know and everything is not necessarily logical Jim... I am as sceptical as anyone else when it comes to upsetting paradigms of what the world is and how it works because doing that is rather unsettling to your safe interpretation of reality! But I prefer if possible to draw my conclusions from first hand experience.

I never expected to end up accurately drawing and describing in detail a dead (and buried) ghost cat, (which stroked my face,) and somehow showed me images of where it was buried and used to sleep; while I was just an observer at a class for psychical studies. The ex-owner of this cat was so relieved with my shocking revelation; she had tried every available and prominent medium at Stanstead College; to gain contact with her dead cat; and I'm no psychic medium. I mean you would expect a dead granny or something but a cat is impossible right?! But of course extra sensory perception (ESP,) is just a myth; proposed only by frauds and con-men and existing only as a carp brand name!

As a trained horticultural grower, to see a Radish seed sprouting rapidly on someone's palm right in front of my own eyes as Uri Geller looked on was not logical; germinating seeds require certain fixed absolute conditions surely. Maybe such scientific anomalies have similarities to such things as the genetically manipulated multiplication of grass chlorophyll levels in a meadow in France during the Eighties. Is chlorophyll effective in carp baits; what do you think and what can you think of that is especially rich in it?!

Strange unknown forces caused unbelievable impossible rates of growth of totally fresh green grass (over just a couple of hours,) in a winter meadow of otherwise frost-damaged yellow and dead grass. But even more notable was that this meadow was where a UFO had recently apparently been observed on the ground. Now I used to think all this stuff was completely the realm of science fiction, but take a look at an Arthur C. Clarke novel and you will be surprised at so much accurate prophesy found therein.

This famous author was in contact with leading astronauts and Nobel peace prize-winning scientists but his books went so much further than present reality as it has been known. A Space Odyssey is just one example. Odyssey is the name of the top carp bait from Ccmooore and it very much conjures up the journey of discovery in carp bait making as opposed to the absolute limitation of a commercial bait named like a racing car or impotent first generation carp!

I once called the world famous psychic healer Mathew Manning and received an answer phone message. But the date this message was left was 2 days before I even called him and before I even had the idea to call him; mmm... When the unexplainable happens it obviously means we cannot know everything yet! New explainable science is always treated as magic by the ignorant and brings up emotions of shock and even of fear!

I was very fortunate to be able to speak to a Harvard-trained and sponsored scientist in the States who is now banished from the mainstream scientific world. He was one of the most the most gifted and promising scientists ever in the realms of genetic research. So what got him excluded from continuing his study and research programmes? He actually did what the major companies did not want; he invented and proved a formula for actually stopping DNA degeneration of skin cells. (This is what causes skin aging and solar radiation is just one obvious cause, but unhealthy sugar-rich omega poor diets are also prime causes!)

But then who says big companies offer true value and quality for money. Is not the purpose of many a company to make money by providing products which simply prolong or even increase the need for those products? Hospitals and doctors have been buying effective generic drugs for years to avoid the rip-off prices of the branded products - whose claims of over-pricing to cover research costs equals those of the petroleum industry for stupendous greed!

Of course you will very likely never have heard of this let alone dreamt it was possible and the pharmaceutical and cosmetic companies will never let the secret out! Why; because it will bankrupt them and make their skin products completely obsolete! They have been selling a lie for over 15 years with claims of buyers getting younger skin with all their creams. All the while there exists the real thing snuffed-out by death threats and personal and employment blacklisting no less! No-one dare fund this scientist now. But who would if your family is going to be threatened by doing it?

It makes you wonder what else is being hidden. After all what about the original Nicola Tesla inventions such as the electric motor and alternating current. These transformed the world forever but look how Tesla has been written out of the history books in favour non-immigrant Thomas Edison. This iconic famous inventor, who discovered a thousand way how not to invent the (now obsolete) incandescent light bulb, was an inferior competitor to Tesla; who actually claimed Teslas patents were his own! This grand deception was confirmed by the American Supreme Court after Teslas death Edison was finally proven for the jealous and desperate fraud he really was.

As for me I'm off to catch some carp on mulberries and goose droppings, or maybe seaweed with that fifth umami flavour, (oh but of course I forgot; flavours do not work do they - glutamic acid being one I suppose? (Glutamic acid is stated by leading fish scientists as the major taste component in fish meals and it also happens to be a significant feeding trigger – what a surprise!)

But just remember it is not just your bait that catches fish against competing baits and competing anglers! It is your skill in fishing it that ultimately matters and developing your fishing skills and experience and sharpening your natural instincts will all add up! Read on for details of some very unique bait secrets ebooks that will make you think much more about successful carp fishing...

By Tim Richardson.

Why not seize this moment to improve your catches for life with this unique E-books series:

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