THEORY OF THE QUANTUM PHYSICS OF POTENTISATION OF HOMEOPATHIC MEDICINE – 3ʳᵈ Edition

Christina Munns, Dip. Hom.

INTRODUCTION

This article is written with the intention of explaining the dynamics of the process of potentisation of a homeopathic medicine at the quantum scale. It is proposed as a theory at present, since it has not yet been scientifically proven to be correct by undergoing experimentation in a quantum scale research laboratory. This paper represents the second revision of this theory, since new information has come to light regarding the true nature of the quantum mechanics of the succussion process and the reason why electrons are able to remain in the excited state.

I propose that the key to understanding how homeopathic medicines operate is through the understanding of quantum mechanics. When the understanding of quantum mechanics is applied to the process of homeopathic potentisation (i.e. succussion and dilution), one can apprehend how a homeopathic medicine is able to become increasingly more powerful (and thus potentially more curative) the more times it is succussed and diluted. Of particular importance are the dynamics of electrons within the quantum state, since it is these free-standing fundamental particles that configure themselves in increasingly larger and larger numbers with each increasing orbital number, with each subsequent succussion process. With each increase in orbital size there is a concomitant increase in the energy and informational capacity of the atom, which correlates to an increase in the homeopathic potency.

Dr Samuel Hahnemann (1755-1843), the German medical doctor who rediscovered the principles of homeopathy, recognised that in order for a homeopathic medicine to effect a cure it needed to be increasingly potentised or made increasingly powerful. This increase in potency takes place not only through the process of serial dilution but also through the process of serial succussion (vigorous shaking). I have come to understand that it is the dynamics of succussion and dilution at the quantum scale that are the keys that open the door to the mystery of exactly how a homeopathic medicine works within cellular tissue. This theory of the quantum physics of the potentisation process will now be explained in detail.

EXPOSITION

THE PHYSICS OF POTENTIZATION

I will begin the process of explaining how the process of potentization occurs at a quantum level by quoting from a book by a renowned homeopath George Vithoulkas in his book "The Science of Homeopathy". [1] *"The combination of succussion and serial dilution Hahnemann called "potentization" or "dynamization". The crucial observation was that the more the substance is succussed and diluted, the greater the therapeutic effect while simultaneously nullifying the toxic effect".* In the same book, George Vithoulkas then goes on to say *"The assertion that by a mere succussion and serial dilution the therapeutic power of a substance can be increased without limit while nullifying toxicity, certainly seems to violate our usual understandings of physics and chemistry".*[2]

I will now explain in detail the physics of succussion and serial dilution.

Succussion – SU(3)

At the quantum scale electrons exist in a series of configurations or orbitals. These orbitals exist in strictly pre-defined states that are able to house a specific number of subshells each of which house a specific number of electrons. The larger the orbital size, the greater the number of electrons that can be accommodated in that orbital.

The process of succussion involves the vigorous shaking of the dissolved homeopathic substance against a hard surface. Succussion adds air to the solution, and air contains oxygen which itself contains electrons. Thus the process of succussion acts to add more electrons to the solution through the addition of oxygen to it. This in turn causes more electron shells to be filled. As each electron shell is filled, the energy state becomes higher with each subshell.

I will now explain how the principle of succussion relates to electron configuration and Bohr's postulates and how it increases the electron orbital size and thus volumetric informational space within a quantum field. The process of succussion also makes the bond length shorter between atoms and in this way the information in the higher electron orbitals are more tightly bound at the quantum scale.

Bohr's second postulate is that "*in an atom, electrons can change orbitals. On each orbital, the electron has some defined energy. The energy of the electron is different on different orbitals. The bigger the orbital, the bigger the energy. If the electron changes from a higher orbital into a lower one, then it emits a quantum of energy that is the same as the difference of energy between the energy of the higher and lower orbitals. To change a lower orbital into a higher one, the electron has to absorb an adequate quantum of energy. The quantum of energy is proportional to the frequency of the emitted radiation.*"[3]

Here is a diagram of this principle. It can be understood that the outward pointing arrow relates to the process of succussion – i.e. that the *n* number or energy of the electron is increased via photon absorption. Note the increased field size area, with each increasing orbital:[4]
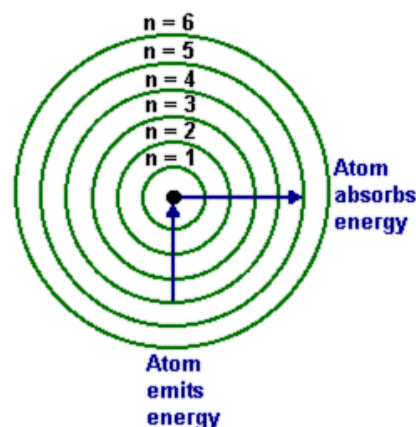

Figure 1 - Bohr's model of atom

When I read this Bohr postulate regarding the fact that in order to change from a lower orbital to a higher one, the electron needs to receive an adequate quantum of energy, I recognised the fact that it is the process of succussion of a homeopathic remedy that provides the "adequate quantum of energy" for the electron to go to higher orbitals. In homeopathic circles it is implicitly understood that when preparing a homeopathic remedy from a gross substance, it needs to be shaken hard many times (ten, twenty or one hundred times) for each succussion process. I propose that the succussion of over ten

times gives more electrons to the solution, since shaking adds oxygen (air) to the solution which itself contains electrons. It is this increase in the number of electrons provided by the succussion process, that causes the electron shells to be filled and the electrons go to higher orbitals.

However, as the succussion process continues and more and more electrons are added to the solution, the electron shells become full up to the $5f$ orbital, after which the electrons exist in an excited state. It is these higher electron shell states that continue to be filled with sequential succussion. These higher orbital states have a more complex electron configuration pattern (l), higher energy (n) and hold greater units of information (m_l).

Here is a description of the four quantum numbers of an electron:

- l = orbital angular momentum = the electron orbital configuration pattern = describes the subshell (e.g. (0 = s orbital, 1 = p orbital, 2 = d orbital, 3 = f orbital, etc.).
- n = energy of the photon = describes the size of the orbital (i.e. length of the Bohr radius)
- m_l = total angular momentum of the photon = describes the specific orbital within the subshell (e.g. d orbital contains 5 possible values of either -2, -1, 0, 1 or 2). It is the variance in the possible number of values in orbitals that creates the variance in the informational capacity.
- m_s = intrinsic angular momentum of the photon = describes the spin state of the photon – i.e. spin up or spin down

Thus, it can be proven that the process of sequential succussion of a homeopathic medicine acts to fill electrons into higher and higher electron shell states by virtue of the addition of oxygen atoms and their associated electrons. Since the electron contains the four quantum numbers of the original substance being potentised, then it follows that the quantum numbers of the substance (i.e. its quantum signature of m_s m_l n and l) are sequentially transferred to higher and higher informational states with each subsequent act of succussion, as the electron subshells are filled via the succussion process.

Just as there is no limit to the number of electron orbitals (they can potentially go to infinity), so too is there no limit to the number of potencies of homeopathic medicine, since the four quantum numbers of m_s and m_l, n and l can exist in any electron orbital state. With each subsequent increase in homeopathic potency there is a concomitant increase in the size of the orbital of its electrons. Thus it can be stated that:

"A homeopathic potency represents a larger electron orbital size that contains higher n, l and m_l states compared to the unsuccussed state. Serial succussion results in an increase in energy and size of the informational field. The higher the homeopathic potency, the higher the number of the n, l and m_l states of the homeopathic medicine and thus the larger the size of the electron orbital and the larger the informational field size of the orbital".

Electron orbital configurations come in different shapes and sizes which are described by the orbital angular momentum quantum number or l. This quantum number (l) describes the number of subshells in the orbital and thus shows the total number of electrons in each orbital.   Each orbital has a particular number of subshells with increasing number of electrons as shown in the table below:[5]

s subshell	p subshell	d subshell	f subshell
$\ell = 0$	$\ell = 1$	$\ell = 2$	$\ell = 3$
$m_\ell = 0$	$m_\ell = -1, 0, +1$	$m_\ell = -2, -1, 0, +1, +2$	$m_\ell = -3, -2, -1, 0, +1, +2, +3$
One s orbital	Three p orbitals	Five d orbitals	Seven f orbitals
Two s orbital electrons	Six p orbital electrons	10 d orbital electrons	14 f orbital electrons

Figure 2- Table of number of electrons in s, p, d and f orbitals

Note that there is an increased l and m_l number with each subshell. The m_l represents the total angular momentum or magnetic quantum number which becomes greater with each subsequent subshell. Not too that the m_l of the f subshell can contain a greater amount of numbers (i.e. a greater informational content – 7 possible values or "bytes" of information - -3, -2, -1, 0, +1, +2, +3) than the p subshell which can only hold 3 possible values of "bytes" of information – i.e. -1, 0 and 1. Thus it is the case that with each increasing subshell, there is a concomitant increase in informational capacity as well as potential energy.

Here is a diagram of the Bohr model of the atom showing the increased number of electrons with each increase in electron orbital.[6] I propose that it is the increased number of electrons that occur with each subsequent increased electron orbital number that represents a higher potency of homeopathic medicine.
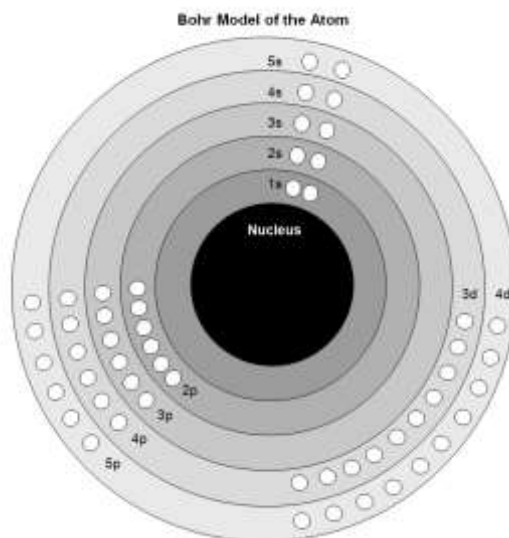

Figure 3 – Bohr's model of an atom showing increased number of electrons with larger orbital number

As the diagram below shows, the limit of the particle state is the $5f$ orbital, at which point the electron orbitals are not occupied by any ground-state electrons but exist only in the excited or wave state. It is this $5f$ orbital that is the limit of the particulate state or limit of materiality, beyond which no material particle states exist. This is the point of Avogadro's number or the point at which no molecule of the original substance exists at all. Avogadro's number is 6.023×10^{23} and corresponds

to homeopathic potencies of 12C or 24X (1 part in 10^{24}). I propose that this is the point of the 5*f* orbital or limit of materiality or particle state. It is beyond this 5*f* orbital (e.g. 6*f, 7d, 7f, 6g, 7g, 6h* etc) that the original substance still exists but only in the excited state. I propose that homeopathic medicines above the 12C potency level exist in the electron orbital states above 5*f*. This means that they do exist but not at a material level but only exist in the wave (*n*) and informational or wave function (m_s:m_l) state – i.e. the excited state. This is the reason why homeopathic medicine can be classified as "informational medicine", since it carries the information of the original substance (i.e. its quantum signature in the form of the four quantum numbers) via the hydrogen bonds in water molecules.to the DNA molecule.
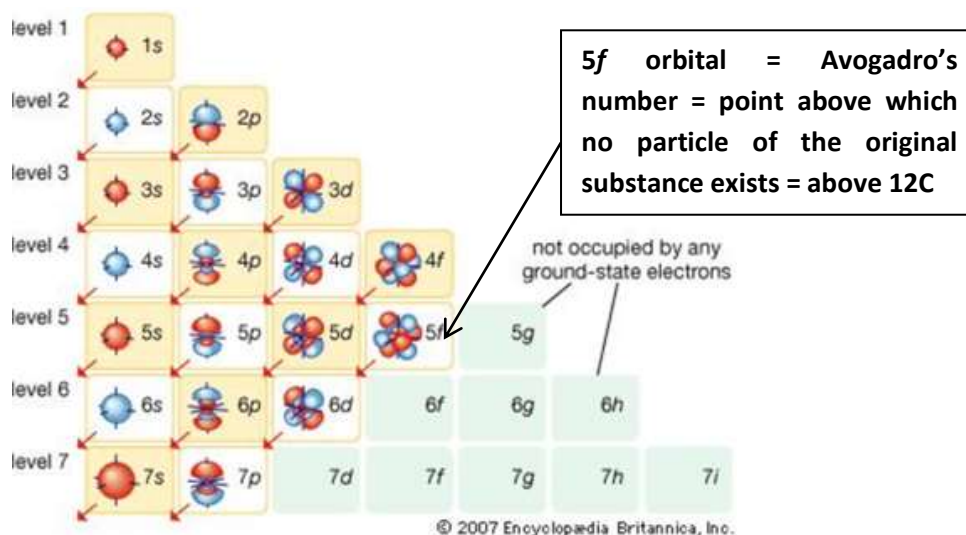

Figure 4 - Electron configurations of ground and excited state electrons

I propose that it is the higher energy state of homeopathic medicines above the 5*f* orbital that gives them the ability to operate at a quantum scale within organisms, since they operate beyond Avogadro's number. I propose that this is the reason why homeopathic remedies are able to operate at an energetic level, since they not only exist at a material dose (i.e. below 12C potency), but also have the ability to exist beyond the material state of the 5*f* orbital into the higher orbital numbers and excited states (e.g. 5g, 6f, 6g, 6h, 7d, 7f, 7g, 7h, 7i etc) . In this way it can be explained that homeopathic medicines operate not only in the particle/ground state but also in the wave or excited state. It is the ability of homeopathic medicines to operate in the wave state (i.e. beyond 5*f* orbital) that renders them with the ability to operate in higher and higher energy or higher potency states. These excited states or larger orbital sizes are able to hold much more information than smaller radius ones due to their increased orbital size. This is the reason why homeopathic medicines of high potency (e.g. 200C, 1M, 50M) are so powerful since they operate at very high energy levels or very high principal quantum number (*n*) states.

───────❈❈❈───────

3rd Edition - Since writing the second edition of this paper in May 2014, I have been pondering about the answer to the vexed question that several sceptics of my theory have queried that an excited electron cannot stay in a higher orbital state for long and must drop back quickly to the ground state after excitation.   I propose that the solution to this problem can be found in the 1st Law of Thermodynamics – the principle of conservation of energy.

Since, according to the 1st Law of Thermodynamics, energy cannot be destroyed in an isolated system, and can only be transferred from one type of energy to another (e.g. potential energy to kinetic or *vice versa*), then it follows that the energy that is introduced into the homeopathic medicine via the vigorous shaking of succussion during potentisation process must be conserved. The energy input via succussion is <u>conserved</u> in the system. It is this principle of the law of conservation of energy that gives credence to this theory of homeopathic potentisation at the quantum scale. The energy in the system provided by succussion <u>remains within</u> the homeopathic solution. This is the reason why the electrons in the excited state in a homeopathic medicine do not drop back to their ground state, simply because there is an energy input which is conserved at the quantum scale, thus maintaining the electrons in their excited state.

I am convinced that under normal quantum laboratory experimentation, the solution would not be shaken vigorously and so, with no additional energy input, any excited electrons that arise would naturally quickly return to their ground state. This is the norm: that excited state electrons quickly return to ground state after excitation. However, if a solution experiences multiple succussions, then the energy of the succussion is transferred into the solution and this energy is CONSERVED due to the principle of the 1st Law of Thermodynamics and remains there.

I will go further with this theory and suggest to research quantum physicists that they explore the differentiation of electron orbital size between succussed and non-succussed solutions, to definitively determine if there is a difference between the two and thus prove whether or not my above statements are correct.

The ramifications of this discovery are yet to be fully appreciated. However, I believe that the theory that succussion actually increases both the energy and informational capacity of a quantum state MUST hold great promise and potential for all manner of quantum applications (not just homeopathic) in order to maximise energy and increase informational capacity and coherence.

Thus we can now appreciate that homeopathic medicines are able to retain their high energy levels (i.e. potency states) due to the 1st Law of Thermodynamics – the principle of conservation of energy.

Physics of Dilution

The physics of succussion of a homeopathic medicine is only half the story of the process of potentisation. The other half is explained by the physics of dilution which I will now discuss.

Given the fact that the succussion process provides the requisite amount of energy for an electron to jump to a higher orbital, via its ability to increase the number of electrons, it needs to be implicitly understood that a higher orbital exists in a larger size field or larger sized area. The higher the electron orbital the bigger the size of the orbital.

I propose that it is the process of dilution that provides the increased spatial volume in which a larger electron orbital can be housed. The dilution of a succussed homeopathic medicine provides the space in which the bigger electron orbitals and larger number of electrons can exist. An analogy of this procedure is of a couple living in a one-bedroomed house about to give birth to triplets. They simply would not all fit, or operate efficiently under such conditions in a one bedroomed home. To solve the accommodation problem, if the couple moved to a four bedroomed house <u>before</u> the triplets are born, then everyone is able to fit into the space and everyone is easily accommodated. Similarly, in order for the larger orbital size or higher subshell number to be housed (or a higher potency of a homeopathic medicine to exist) so that there is room for the increased number of electrons to be housed, there needs to be an increased spatial volume created <u>before</u> the succussion process takes

place, where more electrons need to be housed. This increased spatial volume is provided by the process of dilution.

CONCLUSION

Thus it can be concluded that during the potentisation of a homeopathic medicine there is a sequential process of first providing the space in which larger orbitals and their associated number of electrons can be accommodated via the process of dilution, and secondly where the enlarged orbital and increased electron number occur via the process of succussion. The increase in the number of electrons that arise as a result of the succussion process is able to be comfortably housed in the bigger spatial volume provided by the process of dilution that occurs beforehand.

I propose that it is the combined actions of dilution and succussion during the process of homeopathic potentisation that provide the original particle state (i.e. electrons within original substance to be diluted) with the ability to exist in sequentially higher and higher energy states, since a higher subshell number is associated with a higher energy state or longer Bohr radius or greater n number.

I further propose that it is the ability of homeopathic substances to exist beyond the 5f orbital, (i.e. beyond the ground state of electrons) that bestows upon them the ability to exist in increasingly higher excited states. It is these higher energy states associated with the bigger subshell number, that give a homeopathic medicine the ability to be increasingly potent with each increase in energy level or n quantum number. Another way of expressing this is to say that high potency homeopathic medicines have a longer Bohr radius (n) and a larger number of informational values in their magnetic quantum number (m_l), and thus have the capacity to hold higher energy levels and retain higher informational states. The longer Bohr radius (n) is able to house the greater number of values provided by the magnetic quantum number or units of information held within the parameter of total angular momentum – m_l.

The above explanation of the quantum physics of the potentisation process of a homeopathic medicine, provides an innovative and exact account of the scientific principles on which homeopathy is based. The fact that the scientific basis for homeopathy exists at the quantum scale and not the material and thus observational level, explains the reason why this system of medicine has been so misunderstood and invalidated to date. It is envisaged that this paper will go a long way to correcting the gross misperceptions and savage sceptism amongst scientific and medical communities along with lack of government support of the practice of homeopathy in Australia and other countries and render it to be held in the high regard that it so necessarily deserves.

I challenge any scientific researcher to prove me incorrect on this theory of the quantum physics of homeopathic potentisation. I know that the quantum physics of succussion and dilution as stated in this paper will serve the test of time and I look forward to hearing the results of ethical experimental research on this theory of the quantum physics of homeopathic potentisation. I sincerely believe that until such time as scientific research disproves this theory via experimental evidence, that homeopathic medicine can be perceived to be a valid and scientific method of medicine that has the ability to operate beyond the material or 5f orbital state and thus can therefore potentially hold larger and larger number of information states (m_l) and higher and higher energy levels (n).

The above information represents the essential discovery regarding the quantum mechanics of homeopathic potentisation that is described in the book *"Principia Unitas – Volume VI – On the Quantum Mechanics of Homeopathy"*- available through the website www.principia.net.au. ISBN = 978-0-9807766-5-2.

Christina Munns, Dip. Hom.
1st Edition - 29.11.13
2nd Edition - 25.5.14
3rd Edition – 9.6.18

---

[1] Vithoulkas, George, The Science of Homeopathy, Grove Press, New York, 1981
[2] Vithoulkas, George, The Science of Homeopathy, Grove Press, New York, 1981
[3] http://library.thinkquest.org/28383/nowe_teksty/htmla/1_12a.html
[4] http://library.thinkquest.org/28383/nowe_teksty/htmla/1_12a.html
[5] http://chemwiki.ucdavis.edu/Physical_Chemistry/Quantum_Mechanics/Atomic_Theory/Electrons_in_Atoms/Electronic_Orbitals
[6] http://www.mysciencebox.org/node/634