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“The Physics of Homeopathy”

Cyril W. Smith PhD

This paper describes how fundamental research into the physics of water can contribute scientific evidence for “**Evidence Based Homeopathy**”.

Coming from a background in radar and physics, the writer became involved in the diagnosis and therapy of patients hypersensitive to their electromagnetic environment in 1982 and it was the frequencies in the environment that mattered to these patients. Later, it was found that the acupuncture meridians have characteristic frequencies naturally present on them. Where there is a connection to the autonomic nervous system (ANS) additional frequencies characteristic of the ANS appear. The presence of frequencies in the whole body field of a person indicates the body systems which are under stress. The writer has contributed a series of invited Chapters between January and July 2008 on the theory of homeopathy to the web-site www.hpathy.com on which sections of this paper have been based and where references will be found.

The “**Verification of Homeopathic Symptoms**” can make use of a *similiter* between the frequencies in the body field of a patient and those on the acupuncture meridians. Following from the work of Dr. R.Voll, the state of the autonomic nervous system (ANS) which is usually the first system to be affected in this way, can be assessed. The correction of a frequency to its normal endogenous value may be achieved by eliminating the stress related frequencies and then supplying frequencies to recover the normal state. These may be frequencies characteristic of a specific homeopathic potency or an allergen dilution, frequencies generated through acupuncture or, specific frequencies selected from the patient’s whole-body field pattern. All these can be used for therapy. If the patient’s stress is due to a toxic chemical, any frequency correction will remain a palliative until de-toxification is achieved.

There are two sources of the above frequency resonances: (1) water molecules hydrogen-bonded to a chemical and (2) water in domains of coherence. The latter require the continued presence of the geomagnetic field for stability and all frequency imprints and homeopathic potencies will be erased if this is removed by shielding with a steel box. Any chemical frequency signatures are unaffected.

The characteristic endogenous frequencies present on acupuncture meridians (and chakra points) and cover the range from 10^{-4} Hz to 300 GHz. Normally, these frequencies fluctuate slightly in a quasi-periodic manner characteristic of (mathematical) chaos. They occur in one of two phases – *stimulatory* or *depressive* of biological activity. When there is a stress or disease in a target organ, its meridian frequency spreads into the whole-body

field. The frequency signatures of toxic chemicals in the body may also appear. Frequencies due to adaptation or addiction to the electromagnetic environment may be present (e.g. 50 Hz, 60 Hz) but, it is rare to find electrical sensitivities without on-going multiple chemical sensitivities.

In recent years, there have been important developments in physics which are relevant to homoeopathy (see: www.hpathy.com). Coherence is a fundamental property of liquid water. Domains of coherence appear spontaneously on condensation from the vapour. In a coherent system, frequency becomes a *fractal* quantity with no absolute value. Patterns of frequencies repeat in many parts of the electromagnetic spectrum. It is this which links the frequencies of the chemical bonds, such as in the “Mother Tincture”, to frequencies of biological significance in the potencies. If there was not a duality between frequency and the chemical bond, spectroscopic analysis would be impossible. Frequencies convey bio-information, fractality makes it accessible. The precision of frequencies potentised into water may reach parts per million.

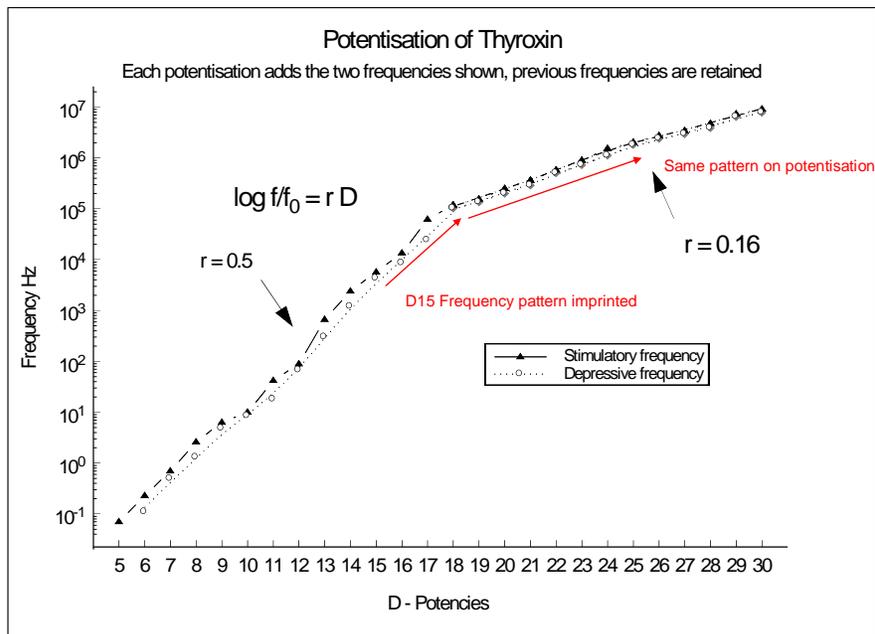
Clinically significant information can be imprinted into a vial of water by *succussion*, (sharply banging a glass vial). This creates a homeopathic *potency*. Imprinting can occur through the glass of a vial containing water by immersing it in frequency imprinted water. Alternatively, water placed near to a source of frequencies (an oscillator and coil, a chemical or a potency) can be imprinted with frequencies by a strong magnet or a toroid (ring) of a ferrite material. A sequence of seven unidirectional voltage pulses will also potentise. These could be nerve impulses.

Heating potentised water alters the imprint - it becomes “hidden”. It can be recovered by the application of certain frequencies which include those of the heart acupuncture meridian and chakra or the microwave resonance of molecular hydrogen.

To measure frequencies in water the writer had to develop the dowsing techniques initially devised for the diagnosis of reactions in very hypersensitive patients - persons incompatible with technology! This was the only technique able to cover the frequency range and sensitivity required. It was later extended to the detection of resonances in water, allergen dilutions and homoeopathic potencies.

When water is potentised with a frequency and then serially diluted, the original frequency disappears and is replaced by that frequency multiplied by the dilution ratio but, not all dilution ratios do this. Some do not potentise – they give no frequencies as shown in Figure 1.

Figure 2
Frequency Pattern for D-Potencies of Thyroxin. Potency D15 was synthesised from the constituent frequencies. Dilution and succussion gave the same frequencies (shown in red) as measured for potencies coming from the “Mother Tincture”.



A potency or a water imprint is erased if the geomagnetic field was shielded from it even briefly with a steel box. The water erasure threshold is about 1% of the Earth’s magnetic field. Erasure must occur when the thermal energy is able to break up order due to magnetic energy. From this one can calculate that a domain of phase coherence in water must be 53 μm in diameter. This threshold is independent of the imprinted frequency over at least the 13-decades from 10^{-4} Hz to 10^{+10} Hz. One microliter of water is needed to take up the imprint of a single frequency but, if the water is alkaline more is needed. The concentration of coherent domains in water can be estimated from the number of imprints it is possible to potentiate. The number of frequencies that can be imprinted into the typical tablets, pills and pillules used in homeopathy are given in Table 2. This sets a fundamental limit to the quantity of information that can be potentiated.

Table 2
Frequency Information Capacity - maximum number of frequency imprints

Small pillule (1 mm diameter)	446 imprints
Large pillule (3.5 mm diameter)	395 imprints
Tablet (6 mm diameter)	584 imprints
Water (pH 7)	~1000 imprint/ml ~1 imprint/ μl

For one electrically hypersensitive patient, the frequencies of a homeopathic potency as prescribed were exactly the frequencies found independently which that patient needed to have stimulated. The patient needed stimulation at: 1.5 Hz, 5.6 Hz and 1.6 kHz. Only the homeopathic potency Calc. carb. 10M contained exactly these frequencies.

Having found that frequencies in the environment could synchronise and entrain acupuncture meridians, a next step was to see whether homeopathic potencies would do likewise.

The common remedy Arnica, described as the best traumatic, has the frequency pattern given in Table 3. The acupuncture meridians influenced reflect the effects for which it might be a homeopathic *similiter*.

Table 3
Frequencies for Arnica 6C

↑ = stimulatory (hyperactive); ↓ = depressive or stressful (hypoactive).
Frequencies are given in Hertz (Hz) in scientific notation.

Frequencies	Acupuncture Meridians	Bandwidth	Fractional Bandwidth
↑ 3.021×10^{-3}	Sympathetic ANS	0.6090×10^{-3}	0.2016
↓ 5.102×10^{-2}	Pericardium or Gall Bladder Meridians	0.0907×10^{-2}	0.0178
↑ 3.030×10^{-1}	Parasympathetic ANS	0.0022×10^{-1}	0.00073
↓ 4.314×10^0	Du Mai Meridian	0.0339×10^0	0.00786
↑ 7.801×10^0	Heart Meridian	0.0017×10^0	0.00022

This potency of Arnica stimulates the sympathetic and parasympathetic branches of the autonomic nervous system and the heart meridian. It depresses activity associated with the Du Mai meridian and the Pericardium meridian which would account for its effectiveness in the treatment of bruising.

Table 4 (Column 1) lists the acupuncture meridians, first the hand and foot ‘Ting Points’ then the additional points of ‘Classical Acupuncture’ and finally the Chakra Points. The nominal frequencies endogenous to these points are given in the second column. The third column lists homeopathic potencies which were found to stimulate a particular meridian. These potencies represent a selection from what happened to be available at that time. In some cases, more than one remedy or more than one potency would stimulate a given meridian. The fourth column gives the stimulating frequency as measured in the homeopathic potency involved. There will of course be other frequencies in the potency which are not active in this case. Comparison of Columns 2 and 4 shows how close these frequencies can be. This Table shows that there is at least one factor characterising a given homeopathic potency which can be correlated with the acupuncture meridian system and the chakra system and emphasises the unity of CAM.

Table 4
Homeopathic Potencies Interact with Meridians

Meridian Points	Meridian Endogenous Frequencies	Homoeopathic Potency	Matching Frequency of the Potency
	Hz		Hz
Ting-Hand			
Ly1	2.95×10^6	Proteus 30C	2.92×10^6
LU1	2.36×10^7	Calc Phos 30 C	2.36×10^7
LI1	2.70×10^6	Cuprum met. 6C	2.67×10^6
ND1	2.70×10^4	Electricitas 200C	2.710×10^4
Ci9	2.46×10^6	Opium 30C	2.43×10^6
AD1	9.84×10^7	Thuja 30C	9.30×10^7
Or1	3.85×10^6	Arsen. Alb 10M	3.78×10^6
TW1	6.00×10^3	Merc. Sol. 30C	5.940×10^3
He9	7.80×10^0	Staphysagria 30C	7.808×10^0
He9	3.84×10^8	Staphysagria 30C	3.84×10^8
SI1	1.23×10^6	Cadmium met. 1M	1.23×10^6
Ting-Foot			
BL67	5.50×10^0	Naja trop. 6C	5.513×10^0
Ki1	9.50×10^{-4}	Sulphur 30C	9.502×10^{-4}
GB44	2.46×10^6	Opium 30C	2.43×10^6
FatD1	3.64×10^7	Apis 6C	3.64×10^7
Sk1	1.72×10^5	Arnica 6C	1.72×10^5
FibD1	8.00×10^2	Aurum met. 30C	8.015×10^2
St45_R	2.16×10^7	Tabacum 30C	2.16×10^7
St45_L	2.20×10^6	Graphites 10M	2.40×10^6
JD1	1.48×10^7	Silicea 6C	1.410×10^7
Liv1	4.80×10^0	Conium 6C	4.807×10^0
Pn1	2.70×10^6	Cuprum met. 6C	2.67×10^6
Other Points			
Pe9	1.34×10^7	Arsen. Alb. 10M	3.78×10^6
Ren24	1.43×10^1	Calc. Carb. 30C	1.433×10^1
GV14	1.49×10^8	Calc. Fluor. 6C	1.48×10^8
EX_8_9	3.00×10^3	Plumbum met. 30C	3.020×10^3
Chakras			
Crown	2.50×10^{-1}	X-ray 200C	2.512×10^{-1}
Forehead	1.48×10^8	Calc. Fluor. 6C	1.48×10^8
Thyroid	8.10×10^1	Rad. Iod. 200C	8.120×10^1
Heart	7.80×10^0	Staphysagria 30C	7.808×10^0
Heart	3.84×10^8	Staphysagria 30C	3.84×10^8
Umbilical	2.30×10^1	Arg. Nit. 200C	2.301×10^1
Pubic	8.10×10^1	Rad. Iod. 200C	8.120×10^1
Coccyx	8.10×10^1	Rad. Iod. 200C	8.120×10^1

If a homeopathic potency is not quite correct for a patient, there is what is described as an “aggravation”. In allergy testing, it is usual to use 5-fold serial dilutions (1+4). The potencies commonly used in homeopathy are not sufficiently finely graduated for these patients. With very sensitive patients, it is good practice to precede any testing by finding a dilution (potency) of any allergen which will neutralise the reactions which are usually severe. Finding any known allergen for the patient, a sample of saliva may be potentised until a neutralising dilution is reached. This may be used to switch-off any reaction which may suddenly occur (within seconds) during testing since it is the same fault in the ANS which is being triggered by whatever method.

It is possible to hide a frequency imprint or chemical frequency signature so that the body does not recognise it and it no longer entrains. This may be done by succussing it next to an oscillator output coil at a particular frequency. The frequencies 2.65 GHz, 1.42 GHz and 384 MHz and 7.8 Hz have these unexpected properties. They are fractally related to transitions between spectral lines in the far-infra-red rotational spectrum of water. The frequency 384 MHz is the high frequency branch of the heart meridian and heart chakra. This frequency and the low band frequency 7.8 Hz can “restore” a hidden imprint. The heart chakra can supply this frequency.

Work with electrically hypersensitive patients showed that when a body system is under stress the endogenous frequencies of the related acupuncture meridians appear in the whole-body frequency field. The autonomic nervous system is usually the first to become compromised in this way. Tables 5 & 6 list homeopathic potencies which stimulate the sympathetic and parasympathetic branches of the ANS. The list is not exclusive. It is intended to demonstrate the possibility of accessing the ANS through homeopathy using Voll’s acupuncture connections. Potencies stimulating the greatest number of the Voll summation points were selected for this Table from the many potencies tested. In addition to the frequencies of Voll’s ANS linked meridian points the sympathetic ANS points carry the frequency 3×10^{-3} Hz and the parasympathetic points carry the frequency 3×10^{-1} Hz.

The possibility of stimulating the ANS with homeopathic potencies immediately opens the way to applying objective instrumentation to homeopathy and homeopathic trials. There are several techniques already available to assess the status of the ANS. These include the resting cardiac parasympathetic activity and cardio-respiratory coupling which can be assessed by heart rate variability analysis. The sympathetic activity can be assessed through galvanic skin responses, thermoregulatory function and the sympathetic cardio-accelerator and vasoconstrictor responses. It is now possible to correlate brain-stem autonomic functions with electroencephalograms.

Table 5
A ‘+’ indicates Homoeopathic Potencies Stimulating Sympathetic ANS

Voll’s Points	GB20	GB19a	GV16	TW1	BL16	BL24	St44c	BL33	BL63
Homeopathic Potency									
Arsenicum alb. 1M	+	+	+	+		+			
Lycopodium 6C	+	+				+	+	+	
Chamomilla 30C	+	+	+					+	
Ac. fluor. 6C	+	+	+	+					
Crotalus 6C/12C			+		+		+		
Electricitas 200C			+	+		+			
X-ray 200C	+	+					+		
Carcinosin 200C	+	+			+				
CA colon 200C	+	+			+		+		+
Petroleum 30C							+	+	+
Rad. Brom. 1M	+					+			+

Table 6
A '+' indicates Homeopathic Potencies Stimulating Parasympathetic ANS

Voll's Points	St 10a	GB 10a	GB 11b	St 8c/d	St 16	St 15	St 18	St 20	Ki 20	Ki 21	Ki 19	BL 35	BL 34	BL 32
Homeopathic Potencies														
Arsenicum alb. 1M				+		+								
Graphites 10M	+		+	+										
Cu. met. 6X		+	+		+			+						
Carcinosin 200C	+				+		+	+				+		
Phosphorous 6C		+						+						
Electricitas 200C	+		+											
Crotolus 6C/12C	+							+						
Rad. iod. 200C				+										
Conium 6C									+					
Lycopodium 200C										+				
Naja trop. 6C											+			
Arnica 6C													+	+

Peppermint is commonly regarded as antagonistic to homeopathic potencies. A peppermint schnapps had the frequencies given in Table 6. Note that it contains 384 MHz.

Table 6
Frequencies for a Peppermint Schnapps

↑ = stimulatory (hyperactive); ↓ = depressive or stressful (hypoactive).
 Frequencies are given in Hertz (Hz) in scientific notation.

Frequencies	Comments
↑ 7.802×10^0	Heart Meridian
↓ $5.812 \times 10^{+3}$	Sanjiao (Triple-Warmer)
↑ $2.25 \times 10^{+6}$	Stomach meridian (left side)
↓ $3.84 \times 10^{+8}$	Heart Meridian
↑ $1.42 \times 10^{+9}$	Hydrogen molecular resonance

If a tube of frequency imprinted water is succussed while close to a bottle of peppermint schnapps, its frequency pattern is “hidden”. This means that the activity of a homeopathic potency will be neutralised by this. This “hidden” frequency is not erased by placing in a steel box. It can be recovered by succussing in the presence of 7.8 Hz which also becomes imprinted. Succussing near the heart chakra should suffice provided the person’s endogenous heart frequency was normal.

For some clinical and environmental purposes, it may be sufficient to hide frequencies so that the body does not recognise them although there remains the possibility that the heart frequencies will be able to un-scramble the hidden bio-information. Some devices for protection against the electromagnetic environment make use of this phenomenon. I have used it to make pharmaceuticals tolerated by sensitive patients.

Chinese acupuncture recognises 11 organs in the sense of them being general structural and functional entities. There are 6 Yang organs (Fu) and 5 Yin organs (Zang) which interact closely with the channels or meridians serving them. There are 12 channels running parallel to each other in the limbs and these are paired, one is Yang and the other Yin. The pericardium is given a channel and there are some other channel systems including the Ren Mai (Yin) which runs up the ventral mid-line of the body and the Du Mai (Yang) which runs up the dorsal mid-line. Together these make up the 14 channels or meridians on which the 361 ‘Classical Chinese Acupuncture Points’ are located. These channels or meridians are divided into ‘Three Courses’ - Ventral, Dorsal and Lateral.

If the each of the frequencies of the Yin and Yang branches in one Course are imprinted into separate vials of water and the vials are then placed close together, **no frequency can be measured.**

Any three of the four frequencies of a Course can be imprinted into a single vial of water but, **any attempt to imprint the fourth frequency erases all frequencies.** In a normal healthy state, the sum total of the frequencies around each ‘Course’ is **zero** but, if any organ within the ‘Course’ changes its frequency so as to depart from its healthy endogenous value, an ‘alarm’ frequency will appear.

In Table 7, the patient had only one Lateral Channel (Course 3) frequency corresponding the Triple-Warmer meridian. For this, the addition of Arsen. alb + Conium + Opium would be needed to generate a zero. The Yellow enhancement indicates the Dorsal Channels (Course 2) and the frequencies and potencies involved. Here, only Sulphur would be needed to complete the Course and generate a zero throughout.

Table 7
Homoeopathic Potencies to Cancel a Patient's Frequencies Imprint

↑ = stimulatory (hyperactive); ↓ = depressive or stressful (hypoactive).
 Meridians with nearby frequencies are listed (Voll notation).
 Frequencies are given in Hertz (Hz) in scientific notation.

Patient's Imprinted Stress Frequencies	Meridians or Systems Affected	Homeopathic Potencies Stimulating that Meridian
↑3.021× 10 ⁻³	Sympathetic ANS	
↓7.811× 10 ⁰	Heart meridian & chakra	Phos ac
↑6.023× 10 ⁺³	Triple-Warmer	Merc sol
↓1.23× 10 ⁺⁶	Small intestine	Cd met
↑9.00× 10 ⁺⁶		
↓1.28× 10 ⁺⁷	Joint degeneration	
↑3.28× 10 ⁺⁷	Fatty degeneration	
↓9.40× 10 ⁺⁷	Allergy	
↑2.865× 10 ⁺⁸	Urinary bladder	Naja trop
↓3.84× 10 ⁺⁸	Heart meridian & chakra	Phos ac
↑6.38× 10 ⁺⁸		

A further example is shown in Table 8. Here, the frequency pattern of a patient is compared to the frequency pattern of the homeopathic potency Lachesis 200C. The degree of frequency matching may be a useful indication of the selection of a correct *similiter* and a “**Verification of Homeopathic Symptoms**”. In this case the paired-values correlation coefficient is 0.94.

This Table relates to a 47 year old lady who had extensive cervical cancer, for which she was treated with chemotherapy and radiotherapy. She reacted badly to this treatment, even though it was successful from a tumour point of view. We had to treat her with high dose intravenous Vitamin C as a detoxification approach, she was helped clinically by the use of Lachesis 200c as suggested by the above measurements¹.

¹ Personal Communication - Dr. J.N. Kenyon, www.doveclinic.com

Table 8
Frequency Matching Indicates a Possible Similiter

↑ = stimulatory (hyperactive); ↓ = depressive or stressful (hypoactive).
 Meridians with nearby frequencies are listed (Voll notation).
 Frequencies are given in Hertz (Hz) in scientific notation.

Frequency Hz	Nearby Meridians	Lachesis 200C Hz
↑1.514× 10 ⁻²	Small intestine	↑3.112× 10 ⁻²
↓7.611× 10 ⁰	Heart	↓6.142× 10 ⁰
↑5.000× 10 ⁺¹	50 Hz	↑5.013× 10 ⁺¹
↓6.006× 10 ⁺¹	Triple-Warmer (Sanjiao)	↓6.114× 10 ⁺¹
↑2.95× 10 ⁺⁵	Skin Degeneration	↑2.25× 10 ⁺⁵
↓1.23× 10 ⁺⁶	Small intestine	↓1.32× 10 ⁺⁶
↑3.45× 10 ⁺⁶	Organ Degeneration	↑3.15× 10 ⁺⁶
↓7.70× 10 ⁺⁶		↓7.30× 10 ⁺⁶
↑3.18× 10 ⁺⁷	Fatty Degeneration	↑2.80× 10 ⁺⁷
↓8.40× 10 ⁺⁷	Allergy	
↑1.80× 10 ⁺⁸		

A question which needs to be addressed is whether and if so to what extent, does the chemistry of a pharmaceutical give rise to an H-bond frequency signature which has a homeopathic activity. I have had to neutralise a patient allergic to the frequency signature of a required pharmacological preparation so this is not a trivial question. As an example, the frequency signatures for *Soluble Aspirin* and *Aconite 6C* are compared in Table 9 which shows how well the frequencies match although they appear in opposite phases of biological activity.

Table 9
Frequency Signatures for a Homeopathic Potency and a Pharmaceutical Product
 Frequencies are given in Hertz (Hz) in scientific notation.

↑ = stimulatory (hyperactive); ↓ = depressive and stressful (hypoactive)

Soluble Aspirin	Aconite 6C
	↑4.911×10 ⁻⁴
↑3.032×10 ⁻¹	↓3.013×10 ⁻¹
	↑7.712×10 ⁰
	↓5.513×10 ⁺²
↓1.23× 10 ⁺⁶	↑1.22× 10 ⁺⁶
↑7.10× 10 ⁺⁶	↓7.10× 10 ⁺⁶
	↑3.35× 10 ⁺⁷

The frequencies measured from a patient are shown in Table 10 which lists the band width and signal-to-noise ratio. It will be seen that the small intestine and the sympathetic ANS have a signal level which is less than the noise. This strongly

suggests that these systems are already operating within a region of chaos. *Arsenicum alb.* would stimulate pericardium meridian and sympathetic ANS and *Cadmium met.* would stimulate small intestine meridian.

Table 10
Frequencies Measured from a Patient
(long medical history- symptoms consistent with stress on meridians)
Meridians with nearby frequencies are listed in Voll notation.
Frequencies are given in Hertz (Hz) in scientific notation.

Frequencies Hz	Meridians etc.	Resonance Width %	Signal/Noise Ratio
2.413×10^{-3}	Sympathetic ANS	17	0.58
3.004×10^{-2}	Small Intestine	55	0.18
2.212×10^{-1}	Pericardium	8.3	1.18
5.212×10^0	Urinary Bladder	3.9	2.51
7.812×10^0	Heart	0.6	16.33

Homeopathy works and seeks to cure an unstable (mathematically) chaotic state between stable conditions of health and disease. Homeopathy attempts to switch the patient back from chaos to health before a stable disease condition sets in. The conditions of health and stable disease states must have linear properties because they are susceptible to double-blind trials. It is fundamental to operations involving the state of (mathematical) chaos that the same starting conditions will never produce the same outcome. This makes it fundamentally impossible to do a double-blind trial involving homeopathy and patients in a (mathematically) chaotic state.

Consequently, one must consider the question, “Do you want to have to say to your patients – ‘Wait until your illness reaches a recognisable and stable disease state?’ ”. “I then could use a remedy which had been successfully tested in double-blind trials. The alternative is to use an ‘un-provable’ homeopathic remedy immediately to recover your health state before a stable disease state takes hold”.

Society needs homeopathy and society needs homoeopathic concepts. The effects of environmental chemicals and frequencies of environmental electromagnetic fields at intensities insufficient to produce significant heating are becoming more and more apparent. These are the ‘proving symptoms’ of the frequency patterns of ‘environmental potencies’ taking effect. Chronic exposure can result in adaptation until proving and disease states become indistinguishable.

Homoeopathy needs the development of its theoretical basis to survive in a ‘high-tech’ world. But in the light of the controversy which has attended previous claims in this field, caution, and independent repetition of results is required.