

Preliminary Report on Measurements Involving Shungite

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1. Specimens

The following Shungite specimens were received from Yan Boily of Biovibes, Canada on the 28 July 2016:

410 13 1.5" radiation protection for Wi-Fi pyramid
420 03 4" radiation protection sphere with stand
410 10 Cellphone radiation protection
410 21 Portable/tablet protection
510 13 Radiation protection beads necklace

Also available was a bag of small Shungite chips in various sizes and shapes.

2. Basic Measurements

This Shungite material has already provided some very useful scientific insights but, still more work is needed.

In my experiments, the actual frequencies measured depend on the field configurations used to excite the resonances. The bio-information is carried on the magnetic vector potential component (A-field) of the magnetic field, its vector points in the direction of the current giving rise to it. The magnetic B-field component is equivalent to momentum and has a frequency imprinting function. A frequency is "remembered" in water through spin precession of protons and electrons imprinted from an oscillating A-field. The spin itself is determined by the strength of the geomagnetic field. If imprinted water is placed in a steel box so as to reduce the ambient magnetic field below a certain critical value, the imprint is erased by thermal agitation.

Chemicals interacting with trace water give characteristic frequency signatures. These arise through transitions between the chemical and water in the far-infra-red spectrum. It is a property of a coherent system such as water that the constant parameter is the coherence length instead of the velocity of light. This gives rise to multiple frequencies each proportional to any velocity that the system can support.; in particular the speed of light (300Mm/s) and the speed of coherence diffusion (~m/s). This property of a coherent system interconnects effects throughout the optical, microwave and low-frequency regions.

In this work, resonant frequencies were excited by the following coil configurations which generate an A-field without significant presence of the B-field component which might complicate through the possibility of imprinting a test frequency.

Toroid – is a coil wound around a ring usually of ferrite material. The B-field is contained within the ring and the A-field permeates the surrounding space.

Caduceus – this is a coil wound like a solenoid for the first layer of wire but a second layer of wire is then wound back over it in the opposite sense. The resulting B-fields cancel so it is often called a ‘non-inductive’ coil. The tangential components of the A-fields also cancel but the radial A-field component remains.

Möbius Loop – A single strip with two conducting surfaces insulated but twisted before joining to give a single surface. It couples to K-coil water imprints.

K-coil –In the paper “Torsion Field and Interstellar Communication”, Victor Shkatov and Vitaliy Zamsha (2015) <http://www.igal.ru/pribor/TorsionField.pdf> the design that has an obvious physical basis is listed on p22 as the ‘Scalar Wave Hz Copper Can Antenna’ and built by Valdimir Korobeynikov.

It consists of a solenoid coil in which the direction of winding reverses abruptly at the centre of the winding. This gives a region where closely spaced A-field components are in opposite directions.

In water, these A-fields would act as a torque on the proton and electron spins causing precession. The copper can filters out the proton spin component. The protons are locked into the copper nucleus leaving only the electron spin field coupling. Experimentally, the K-coil without the copper tube excited both the ESR (1.27 MHz) and NMR (2.08 kHz) resonances in water in the local geomagnetic field of $\sim 50 \mu\text{T}$ but, with the copper can in place, only the ESR frequency was detected.

Torsion Fields and Scalar Waves

Working with a Qi-expert, I found that he could not imprint frequencies into tube of water if it was sealed inside a plastic bag containing silica gel as desiccant. I found that this also applied to the K-coil. A dry atmosphere prevented any coupling of frequencies from the field of the K-coil into water. Placing the Shungite specimens in a similar dry atmosphere also removed their effectiveness in blocking the field from the K-coil. The conclusion must be that Torsion Fields and Scalar Waves are the propagation of coherent frequencies as electron spin precession through the atmospheric humidity. Both L- and D- chiralities are present in the K-coil field. A solution of L-fructose blocks the D-chirality and a solution of D-sucrose blocks the L-chirality.

Shungite Specimens

I measured the frequency signatures of two Shungite specimens on arrival and all of them 11 days later. There was a marked difference. I cannot tell whether this was relaxation from manufacturing stress or frequencies picked up in transit. The Caduceus frequency of the pyramid was the only one unchanged.

In all measurements the prefix \uparrow indicates L-chirality and \downarrow indicates D-chirality. In general, frequency signatures begin and end with L- chirality and then alternate with the D- chirality.

Table 1. Specimens Measured on Arrival 28 July 2016

(C= frequencies excited by a Caduceus field, T= frequencies excited by a toroidal field).

Pyramid Hz	Plate Hz
C= 4.203×10^{-3}	C= 3.901×10^{-3}
T=	T=
$\uparrow 5.500 \times 10^{-4}$	$\uparrow 5.500 \times 10^{-4}$
$\downarrow 7.702 \times 10^{-3}$	$\downarrow 7.702 \times 10^{-3}$
$\uparrow 3.530 \times 10^{-1}$	$\uparrow 4.712 \times 10^{-1}$
$\downarrow 5.503 \times 10^{+3}$	$\downarrow 4.510 \times 10^{+3}$
$\uparrow 2.35 \times 10^{+5}$	$\uparrow 2.40 \times 10^{+5}$
$\downarrow 7.60 \times 10^{+5}$	$\downarrow 7.50 \times 10^{+5}$
$\uparrow 2.43 \times 10^{+6}$	$\uparrow 2.28 \times 10^{+6}$
$\downarrow 9.00 \times 10^{+6}$	$\downarrow 8.00 \times 10^{+6}$
$\uparrow 3.00 \times 10^{+7}$	$\uparrow 2.73 \times 10^{+7}$
$\uparrow 1.40 \times 10^{+8}$	$\downarrow 1.52 \times 10^{+8}$
$\uparrow 2.76 \times 10^{+8}$	$\uparrow 2.75 \times 10^{+8}$
$\downarrow 3.44 \times 10^{+8}$	$\downarrow 3.18 \times 10^{+8}$
$\uparrow 4.60 \times 10^{+8}$	$\uparrow 3.68 \times 10^{+8}$
	$\downarrow 4.56 \times 10^{+8}$
$\downarrow 7.20 \times 10^{+8}$	$\uparrow 6.30 \times 10^{+8}$
$\uparrow 1.07 \times 10^{+9}$	$\downarrow 9.95 \times 10^{+8}$
$\downarrow 1.42 \times 10^{+9}$	$\uparrow 1.42 \times 10^{+9}$
$\uparrow 2.42 \times 10^{+9}$	$\downarrow 2.30 \times 10^{+9}$
$\downarrow 3.05 \times 10^{+9}$	$\uparrow 2.96 \times 10^{+9}$
$\uparrow 3.46 \times 10^{+9}$	$\downarrow 3.30 \times 10^{+9}$
$\downarrow 4.40 \times 10^{+9}$	$\uparrow 4.20 \times 10^{+9}$
$\uparrow 4.70 \times 10^{+9}$	
$\downarrow 5.10 \times 10^{+9}$	
$\uparrow 5.30 \times 10^{+9}$	

Pyramid, Mobile, Computer, Necklace, Sphere-on-Plate, Shungite chips

Toroid Frequencies
(same for all specimens)

Caduceus Frequencies

T	Hz
↑	$5.000 \times 10^{+3}$
↓	$3.25 \times 10^{+5}$
↑	$1.60 \times 10^{+6}$
↓	$4.50 \times 10^{+6}$
↑	$1.35 \times 10^{+7}$
↓	$3.15 \times 10^{+7}$
↑	$9.30 \times 10^{+7}$
↓	$3.84 \times 10^{+8}$
↑	$6.80 \times 10^{+8}$
↓	$1.42 \times 10^{+9}$
↑	$1.70 \times 10^{+9}$
↓	$2.32 \times 10^{+9}$
↑	$3.06 \times 10^{+9}$
↓	$3.50 \times 10^{+9}$
↑	$4.20 \times 10^{+9}$

C	Hz
Pyramid	4.203×10^{-3}
Mobile	1.422×10^{-3}
Computer	5.000×10^{-3}
Necklace	5.713×10^{-2}
Sphere/Plate	6.301×10^{-2}
Chips	5.000×10^{-1}

K-Coil Frequencies

With K-coil excitation, the five based decade frequency pattern was excited. This is characteristic of the naphthalene chemical structure and reflects the basic structure of Shungite.

Frequencies	
Hz	
↑	5.000×10^{-2}
↓	5.000×10^{-1}
↑	5.000×10^0
↓	$5.000 \times 10^{+1}$
↑	$5.000 \times 10^{+2}$
↓	$5.000 \times 10^{+3}$
↑	$5.000 \times 10^{+4}$

↓5.000×10 ⁺⁵
↑5.000×10 ⁺⁶
↓5.000×10 ⁺⁷
↑5.000×10 ⁺⁸
↓5.000×10 ⁺⁹
↑ ?

Water imprinted with the frequencies from $\uparrow 5.000 \times 10^{-2}$ to $\uparrow 5.000 \times 10^{+4}$ showed similar blocking effects to Shungite. Shungite has the robustness of a chemical frequency signature whereas a water imprint can be erased or overwritten but it does suggest that Shungite exerts a general ‘nil-potent’ frequency effect on surrounding fields at least in field configurations which are biologically stressful.

Environmental Tests

Table 3. Tube of Water imprinted near Mobile Phone (dialling and calling)

12 September 2016

Control Imprint	Imprint with protection on phone
Caduceus Hz	Caduceus Hz
7.000×10 ⁻¹	7.000×10 ⁻¹
Toroid	Toroid
↑6.000×10 ⁻¹	None
↓7.000×10 ⁺¹	
↑6.000×10 ⁺³	
↓2.25×10 ⁺⁵	
↑2.30×10 ⁺⁶	
↓9.40×10 ⁺⁶	
↑3.60×10 ⁺⁷	
↓1.10×10 ⁺⁸	
↑2.84×10 ⁺⁸	
↓3.55×10 ⁺⁸	
↑4.00×10 ⁺⁸	
↓8.00×10 ⁺⁸	
↑1.60×10 ⁺⁹	

The frequencies in the protected tube were recovered when tube was placed in a Möbius loop. At distances >6m the active and protection tubes interacted again. This was probably at the end of the coherence length. I need to see if it picks up again one coherence length further on or, whether any control over coherence length is possible.

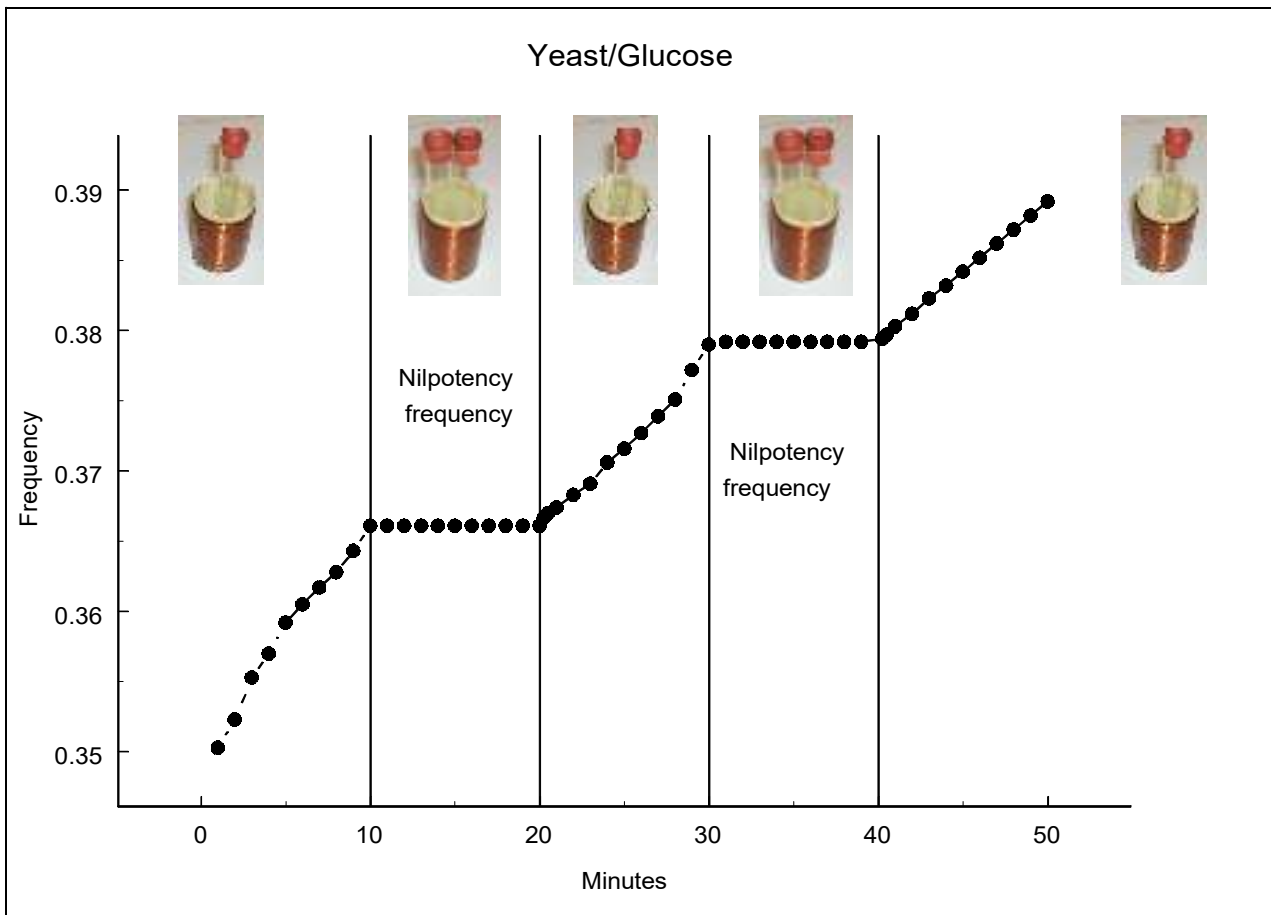
Yeast Growth

I have previously used the change of Caduceus frequency of an active yeast culture to investigate ‘nil-potent’ effects such as shown in Figure 1. The ‘nil-potent’ concept derives from the work of Peter Rowlands of Liverpool on computer systems that can write their own

programs. The following Figure 1 shows that the yeast growth changes stop when the ‘nilpotent’ frequency is placed close by.

The following Figures 2 & 3 show the cancellation of mobile and I-pad radiation by the Shungite wafers.

Figure 1



Smith CW. (2014) *Frequency and Anticipation in Biosystems*. 10th. Intl. Conf. on Computing Anticipatory Systems, HEC-ULg, Liège, Belgium, 8-13 August 2011. Abstract: CASYS'11 Symposium 10: p.6. International Journal of Computing Anticipatory Systems, Ed. D. M. Dubois, CHAOS, Liège, Belgium, Volume 27, 165-179,

Figure 2

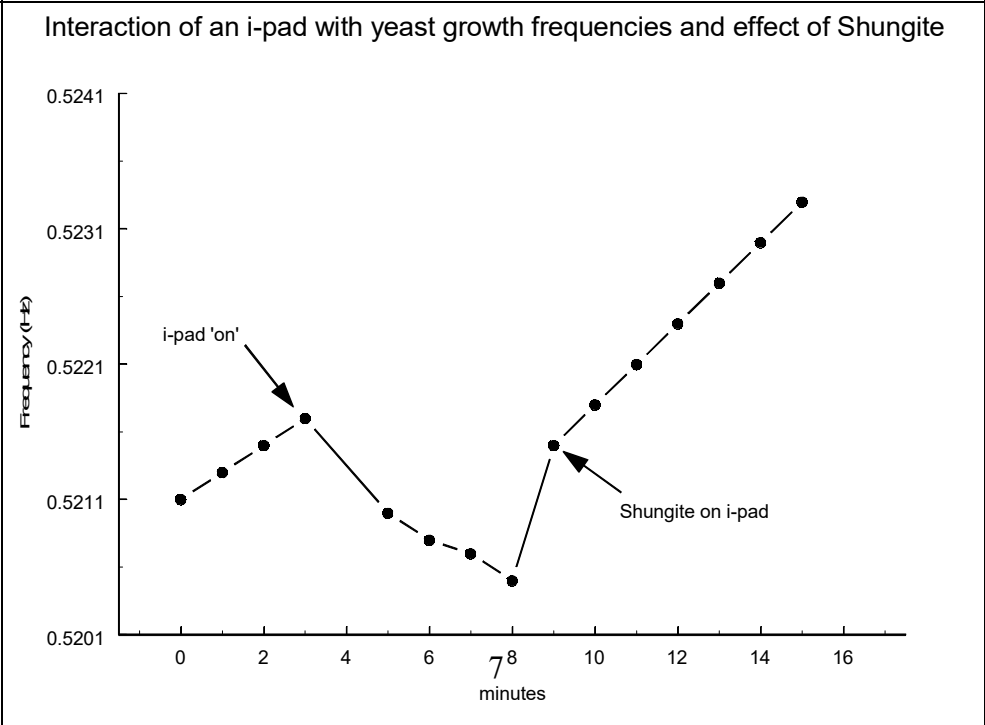
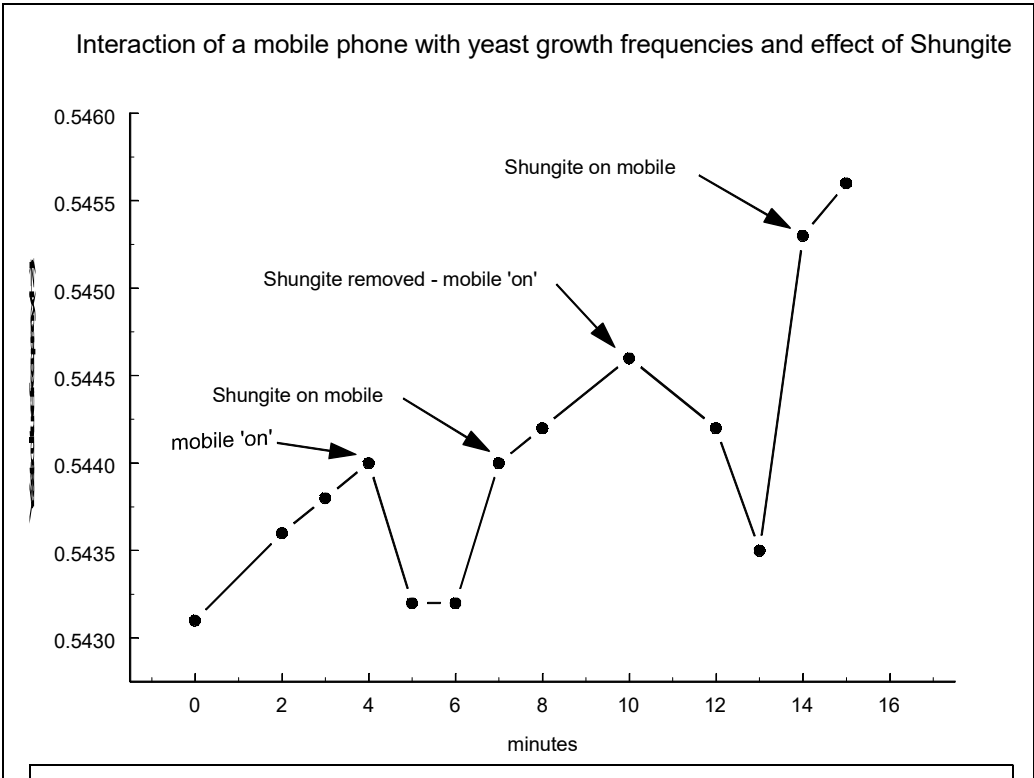


Figure 3

SMART METER

I have been able to extract frequencies into water imprinted by light scattered from a Smart Meter picture with each of the three excitation fields. Using the same imprinting method but, with the Shungite computer plate under the picture there was no imprinting of any frequency.

Figure & Table 4. Frequencies in light scatter forming Smart Meter image



	Frequencies Hz	Frequencies Hz
Caduceus	Toroid	K-Coil
7.300×10^{-1}	5.001×10^{-1}	5.900×10^{-1}
	$6.000 \times 10^{+1}$	$6.000 \times 10^{+1}$
	$6.000 \times 10^{+3}$	$3.114 \times 10^{+3}$
	$2.50 \times 10^{+5}$	$2.50 \times 10^{+5}$
	$6.40 \times 10^{+5}$	$8.40 \times 10^{+5}$
	$2.95 \times 10^{+6}$	$2.95 \times 10^{+6}$
	$1.00 \times 10^{+7}$	$1.00 \times 10^{+7}$
	$2.30 \times 10^{+7}$	$2.30 \times 10^{+7}$
	$1.22 \times 10^{+8}$	$1.22 \times 10^{+8}$

Further Work as at Present

1. The tests on my WiFi router were not satisfactory. I need to find out whether the problems are with the router or the measurement procedure?
2. The range of protection covered by the Shungite specimens. Can it be controlled?.
3. Are there any shape/size differences between the effects of the specimens?
4. The propagation and nature of Torsion Fields / Scalar Waves.
5. What is the effect of the 5.000 decade pattern? Is it a 'nil-potent' effect or a chirality or field configuration change?
6. Does light scattered from a polished Shungite surface carry any frequency modulation?