Bosnia 2017

PulsedTech's Bioenergetic & Bioelectric Technologies

RESEARCH

निग तनिहाः

Natural Frequency Concepts, the Energetic Rhythms of Life, & The Bosnian Pyramids

Jimmie L. Holman



Bosnia – Pyramid of the Sun



Lightening

- The Schumann Resonances are a phenomena resulting form the constant lightening discharges occurring all over the globe?
 At any given time:
 - There are about 2000 thunderstorms occurring around the globe There are about 50 lightening events per second

Schumann Resonance

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Schumann Resonance: The Earth's PulseDr. Winfried Otto Schumann7.83 14.3 20.8 27.3 33.8

7.8 14.1 20.3 26.4 32.5

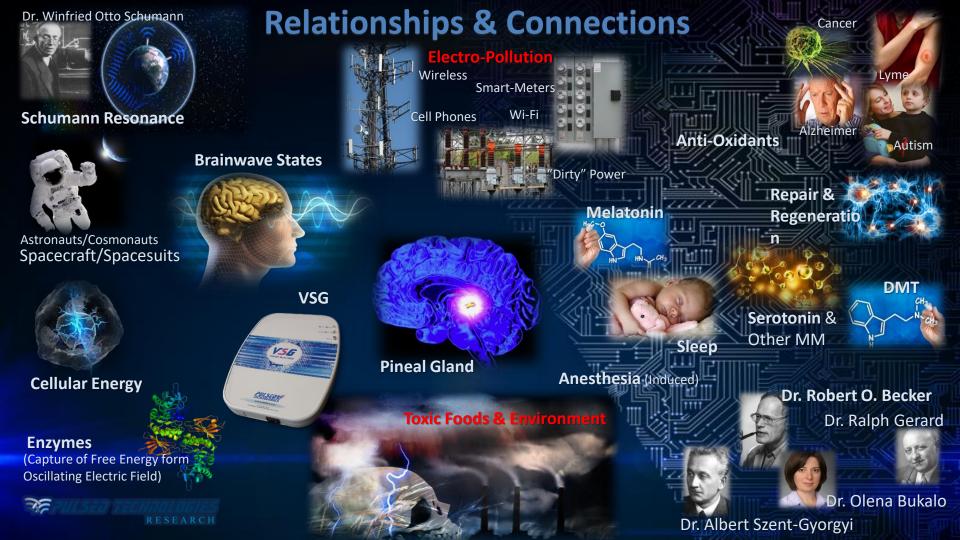
Schumann Resonance

Brainwave States

Schumann Resonance: The Earth's Pulse 7.83 14.3 20.8 27.3 33.8 Bosnia, Pyramid of the Sun Schumann Resonance 7.83 14.1 20.3 26.4 32.5 14.3 20.8 27.3 33.8 **Brainwave States**

Is there a CONNECTION ?





Schumann as a Source of Power

Spacecraft/Spacesuits

Enzymes

(Capture of Free energy from Oscillating Electric Field)



Cellular Energy

Yuri Gagarin - 1st Man in Space

Was Yuri Gagarin really First Man in Space ?

Months after Return

Major-General Vladimir Ilyushin

Many believe Ilyushin was actually the first man in space but returned in such bad condition he couldn't be shown to the public

Diminished Capacity

Even today, astronauts and cosmonauts return weak after leaving the Schumann Cavity of Earth

Schumann as a Source of Power

Proc. Natl. Acad. Sci. USA Vol. 83, pp. 4734–4738, July 1986 Biophysics

Enzymes

How enzymes can capture and transmit free energy from an oscillating electric field

(free energy transduction/bioelectrochemistry/ATPase/localized chemiosmotic coupling/active transport)

HANS V. WESTERHOFF*, TIAN YOW TSONG[†], P. B. CHOCK[‡], YI-DER CHEN*, AND R. D. ASTUMIAN[‡]

To retrief and Molecular Biology, Laboratory of Molecular Biology, National Institute of Arthritis, Dabbares, and Digestive and Kidensy Diseases, et of Haidh. Smithing 2, Koom 19, Bertheda, MD 20892; Topestiment of Biological Chemistry. The Johns Ropkins University School of 2019; MD 21202; and Section on Metabolic Regulation, Laboratory of Biochemistry, National Heart, Long, and Biood Institute, National Jath, Building 2, Koom 202, Betheda, MD 20892

AttriCAL IT - forcetty, It has been demonstrated that free form an alternating detection field on drive the active transfer of RN ¹⁰ by way of the Na¹, A², A² Rae, It has present expected to active the state of the disconting of the state of the state of the state of the translocation across the membrane and (ii) the tability of the translocation across the membrane and (ii) the tability of the translocation across the membrane and (ii) the tability of the energy of the state membrane and (iii) the tability of the energy of the state of the energy of the state of the energy of the state of the energy of the state of the state of the state of the state of the energy of the state of the state of the state of the state of the energy of the state of the state of the state of the state of the energy of the state of the state of the state of the state of the energy of the state of the state of the state of the state of the energy of the state of the energy of the state of the energy of the state of the energy of the state of the energy of the state of t

Terrell L. Hill, March 18, 1986

The information of the second second

O ref. 4). Key at results obtained in a different experimental context empia, similar deficit in the free-energy balance (for review, see fer 5). Seepresu and Tsong (6), 7 peopted that when an alternating electric field (~1 kH2) was applied to an erythrocyte suspension, the Na⁺, K⁺ - ATPase catalyzed the active transport of Rb⁺ without detectable hydrolysis of ATP even hough the time average of the electric field was zero.

The suggested solution was that the Na⁺,K⁺-ATPase had directly extracted free energy from the oscillations in the field and transduced this to the uphill transport of Rb⁺ (5). A crucial role for an oscillating electric field has also been proposed for ATP synthesis driven by a pulsed do field (5). Since, especially locally, electric fields across biological

The publication costs of this article were defrayed in part by page charge payment. This article must therefore be hereby marked "advertisement" in accordance with 18 U.S.C. \$1734 solely to indicate this fact. membranes may well have a large oscillating component, the experimental results of Sergersu and Tsong (6, 7) may also have a more general implication for cases in which input free energy seems to be insufficient to explain output work. We show here that the properties required to allow for free-energy transduction from an oscillating electric field are efficacy of such a free-energy transduction can be comparble to those exected and observed for other types of

n free-energy transduction. s The Model and Calculations

> Fig. 1 A presents a model system considered in discussion of proton pumps (b). The example is an ATPase proton pump that carries a negatively changed basic group, which nicks in 3-30 or inside (states 1, 2, and 6) the conflormations of all six states may be different, and the transition from state 1 to state 2 is coupled to ATP synthesis. For a completely coupled pump, direct transitions between states (in k1/mol = -3.794 H + 0.096-ab) is the input free energy (where ab) is the transmembrane electric potential difference in mV) and A2, (the free energy of hydrolysis of ATP) is the output free energy. The Saja-, if sufficiently large, can drive ACC, causting pet ATP synthesis.

> In fact, the transition is at does occur (e.g., eff. 9), causing wate of free energy. Here we will have that the lower cycle in Fig. 1A can describe free-energy transductions in and of tief. This cycle (1, 2), 4, 1, etc., of Fig. 1D involves the trans. In a stationary electric field, it could only eatily a counterclockwise cycle flux. If, however, the cyclic charge translocation would could be present the state of th

Fig. 1C, upon which our calculations shall be based, represents the transport of an uncharged solute molecule, S, coupled to a four-state enzyme cycle. Fig. 1D is the corresponding general King-Attmas-Hill diagram, in which the constitutions of substances and prove $q_{\rm eff}(x)$ is the corresponding teneral King-Attmas-Hill diagram, in which the behavior and in the presence of a constant transmembrane electrical potential ($\Delta \phi$), the system of Fig. 1C would simply catalyze the transpondication reaction of 3 toward its equilibrium. We will show that, in the presence of a constant transmembrane transport of X assists its concentration gradient.

734

Capture of Free Energy from the Oscillating Electric Field Aka: Schumann Resonance

Proc. Natl. Acad. 5cl. USA Vol. 83, pp. 4734-4738, July 1996

How enzymes can capture and transmit free energy from an oscillating electric field handerer / ATDate /headland chemisters atta counties /active terrores

HANS V. WESTERHOFF*, TIAN YOW TSONG[†], P. B. CHOCK[‡], YI-DER CHEN*, AND R. D. ASTUMEAN[‡] *Section on Theoretical Molecular Biology, Laboratory of Midaxske Biology, National Institute of Arthritis, Ethiotex, and Edgestive and Kishey Diseases National Southers of Health, Rudding 2, Noon 319, Perfords, MD 2005; Utopertorne of Ethiophally, Chemistry, The Advan Biolana, Visional Federa, Alar National Southers of Health, Budding 2, Noon 319, Perfords, MD 2005; Laboratory, Of Houskey, National Houris, Laborator, Alar Mitoria, National Healthough Alfabeta, Budding 2, Noon 319, Perfords, MD 2005; Laboratory, Of Houskey, National Healthouris, and Ethiophall Healthouris, National Healthouris, Alfabeta, Budding 20, National, MD 2005; Alarobata, National Andrea, National Andrea, National Healthouris, Alfabeta, Budding 20, National, MD 2005; Alfabeta, Santara and Alfabeta, National Andrea, Alfabeta, Budding 2, National AN, National Andrea, Santara and Alfabeta, Alfabeta, National Andrea, Alfabeta, Budding 2, National AN, National Andrea, National Andrea, National Andrea, Alfabeta, Budding 2, National AN, National Andrea, National Andrea, National Andrea, Alfabeta, Budding 2, National AN, National Angree, Alfabeta, National Angree, Alfabeta, Alfabeta, Alfabeta, Alfabeta, Alfabeta, Alfabeta, Alfabeta, Alfabeta, Alfabeta, National Angree, Alfabeta, Alfabeta Communicated by Terroll L. Hill, March 18, 1986

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etely coupled pamp, direct completely coupled pump, direct transitions between state 1 and 4 would not occur. In the ATP synthetic mode, $\Delta \mu_{H}$ (in kJ/mol = $-5.7 \Delta rH \pm 0.09 r\Delta \mu$) is the input free energy

(in Li/mol = -5.74 gif + 0.065 Agi is the input free energy lobes 25 s in transmitting electric parential difference electric transmitting electric parential difference in the energy. The Agi, if sufficiently large, an energy is a collectric constraint and the experiment of the energy. The Agi, if sufficiently large, and where the 5.8×15 , 3.8×10^{-1} gravity and $3.8\times10^{-$

cyclic translocation of a negative charge across the mem

ATP hydrolysis toward ecolibrian, which would, far be

ingicity relevant conditions, imply a construction/work occur in phase with an oscillating electric field, a dockwer has night be environmented and a second second and the second second and the environment of the second term of the terminetic of the second second second represents the termsport of an underlations shall be based, repeating the second second second second second represents the termsport of an underlations shall be based. Topoling perturbations from the second relevant conditions, imply a countercl

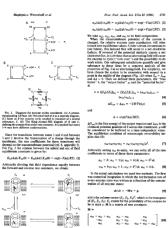
sponding general King-Minnar-Hill diagram, in which the pseudo-minimolecular nutre coefficients of (0,0) and (

ABSTRACT Recently, it has been demonstrated that free energy from an alternating riscrite field can drive the active transport of BN by ways of the NN K*ATRas. In the present work, it is shown why many transminiteness surgences can be spectred to absorb free energy from an acadiming recircli field and transduce that to chemical series and sufficient of the theoretical analysis it turned out to be sufficient that (i) the mentranes may will have a large oscillating component, the experimental results of Sergersus and Toong (b, T) may also have a more generation implication for cases the which ingo the We show here that the properties required to allow for free-energy remodulation frem an oscillation generation that in fact common is not proteins and the efficiency and efficacy of such a thereenergy transformation can be comparable to factor energy transformations can be comparable to free energy remoducations can be comparable to free energy transformations. therestical analysis it turned out to be sufficient that (f) the catalytic pocous the accompanied by other set or cyclic charge transitionism across the membrane and (ii) the stability of the enzyme static is selved to a symmetric. Calculations have on a four-state model reveal that free-energy transitions for a base state model reveal that free energy transitions with aisancidal, sparse-wave, and positive only sufficient detries fields and for cases that exhibit where litese or The Model and Colculations Fig. 1A presents a model system considered in discussions of preton pumps (B). The example is an ATPase proton pump that carries a negativity charged basic group, which tackits in the medium bordening the membrane, miber cotside (sities 3-5) or inside (uses 1, 2, and 6) the organelia: the confor-mations of all sits states may be different, and the transition from state 1 to state 2 a coupled to ATP synthesis. For a exponential field dependent rate constants. The results sugges that is addition to occiliating electric field driven transport, the proposed mechanism can also be used to explain, in part, the "minimal" free enserve treem in the cases in which ATP extiled ree energy term in the cases in served with insufficient tra-ical potential difference.

to considure opposite and an ice transport, cases are included opposite opposite and an ice transport, cases are impact for energy. The non-presentation of the state of the positive energy is the non-presentation of the state of the positive energy is the non-presentation of the state of the energy to be a state of the state of the state of the energy to be a state of the state of the state of the energy to be a state of the state of the state of the energy to be a state of the state of the state of the energy to be a state of the state of the state of the energy to be a state of the state of the state of the and any state of the protons included an energy coupling are collected to and protons included and states, and in the the states much and any state of the state of the state of the state of the protons included and states, and in the the states much and any states much and another on the state of the state of the states of the protons included an energy coupling are collected to and the states of domains near the membrane, and thus the equation used to the free-energy balance based on bulk parameters (i.e. spatial averages) would be inappropriate (for review, see ref patial averages) wit; see also ref. 4).

3) see not eff. 4). Recent results deduced in a different experimental context exhibits a similar deficit in the free-energy balance (if review), meaning deficit is the free-energy balance of the review meaning deficit (if the result of the result of the review receptor at the visitorial detectable by britishing of ATP even though the time severage of the alcohol full forwar zero. directly expected free energy them the occiliators in the field directly expected free energy them the occiliators in the field directly extracted free energy from the oscillations in the field and transduced this to the upbil transport of Rb⁺ (5). A crucial role for an oscillating electric field has also been proposed for ATP synthesis driven by a pulsed dc field (5). Since, especially locally, electric fields across biological

The publication costs of this article were defined in part in page sharp payment. This write must therefore be benefity marked "subscriptment" in constitution with $||\mathbf{U}|| \leq 11$ for the benefity marked "in both



 $\begin{bmatrix} a_{14} + a_{21} + a_{41} & a_{41} - a_{23} & a_{41} \\ -a_{21} & a_{21} + a_{23} & -a_{22} \\ a_{43} & a_{44} - a_{23} & a_{22} + a_{24} + a_{43} \end{bmatrix}$ [10] $\mathbf{p} = (\alpha_{11}, 0, \alpha_{42})^T = \mathbf{M}^{-1} \mathbf{q}(\mathbf{s}),$ nerveen states 4 and 1 (and between 3 and 2) in the location of protoin arm carrying the -3 charge. The charge is displaced exactly the thickness of the membrane, d, between each pair there. rry point in time ($\Delta \phi$ may be time dependent) and holes of kinetic parameters (i.e., b, ϕ , and ϕ), all a's wn and hence M can be evaluated. We also note that:

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FIG. 2. Physical cost

al states, there is not clockwise flux of th introduction of the state, the subsequent periods of the southlang field, the cyclic flux periods (see Fig. 34) while the redistribution fields a way-i-e, the concentrations of en-zyme states return to the same magnifield after each complete (497) occidation of the field (see Fig. 34). Thus, after a free field? cycles, the system reaches a stationary, oscillating state, will a constant yield of cyclic flux per cycle of the electric field It may be noted that the oscillations in the enzym In may be noted that the doministic in the enzyme constructions are not in phase with each other and that there is a difference in simplified between the oscillation in E_{a} and that in E_{a} . This asymmetry is related to the fact that a constant non-zero output force is present in the electricities, which reduces the net transition probabilities from E_{a} to E_{a} and that from E_{b} to E_{b} .

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ds to a transient hat now the flux which is corrob-there are 0.3 net

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the inte Fig.

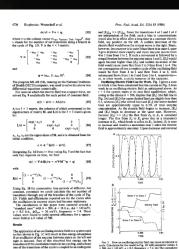
transmembrane prote

(add the prespective) in ADPs, 10 give that to take (§) of free energy measimizing, it is sufficient that the equilib-rium ratios $|E_{\alpha}[2/n]$ and $|E_{\alpha}[2]$ ($|E_{\alpha}|$) is all fields by the electric field. An alternative to having states 4 and 1 differ by the president of a charge in the electric field is to have the reso-ting the electric presidence of the electric field in the later that reso-lighted means and participation of the electric field in the electric dipole meansmin, party availing from the behavior preve (1) and such dipole moments vary with the confidence means of a

19

The single state of the second Table 1. A number of cases of work driven by excilating

		Parte	(Δθ _{men} - Δθ _{min})/2, mV	5G	Depend- ence	YHIE	
-		Secondal	142		Exe	0.81	
		Simpoidal	142	- 36	Exp	0.77	15
-		Second Barrier	-142	105	Exp	0.25	21
-	1.	Same b	142		Exe	0.94	
and the second second	5	Searce	142	- 36	Exp	0.95	12
· · · · ·		Selace	342	105	Exp	0.30	28
	. 7	Smuoidal.	71		Exp	6.09	
		+ cely Simusidal	21	11	Exp	0.07	
	ъ.	+ cely			2.4		-
5	-5	Sinusoidal, + only	71	36	Exp	0.02	1
	20	Sinusoidal, + cely	71	205	Exp	-0.09	-9
	11	Neuropidal	50		Lie	6.23	
	22	Simpoidal	50	36	Lin	0.30	33
	13	Secondal	50	105	Lie	-0.002	-1
	24	Saure	50		Lin	0.11	
	18	Spince	50	36	Lin	6.12	27
	- 16	Saure	- 50	105	Lin	6.16	- 55
	27	Simurcidal	142		Fxe	0.20	
	38	Sinusoidal	142	11	Exp	0.15	- 3
	29	Secondal	342	36	Exe	0.07	- 4
	20	Sitrusoidal	142	105	Exp	-0.14	-22
	Eq. 6 a ₄ a and - coles	neneter values nential field depe 1 "Lis" means 1 nd u ₁₂ contain the 1 latises in which 5 2 and 5 corresp	endence in v Insur field o In factor (1 factor (1 ma and au	vhich o lepends + F2.p F2.6/.	(RT) and n (RT). Cases (RT). Cases (RT). Cases	ned accord ch rate co ste consta 17-20 an	nting t notari cits a v fea



For 3. How an oscillating electric field can cause an enzyme to cycle. Calculation for the model is Fig. 1.D with parameter values to 500, $\Delta r = 100$ mV, p = 0.5, frequency r = 7.4. (4.0) The consultant constantiation of E_1 (r = 1), E_2 ($r = -\infty$), E_3 (r = 1), and E_4 (r = 1) due to the transmission of our construction in comparison of an effective physical or chemical process (e.g., solute transport in Fig. 1C) or ATP synthesis in Fig. 1B). A scenario is as follows. Suppose that in the absence of an electrical potential them is a lives in the equilibrium construct with that $|E_{ij}| > |E_{ij}|$.

Dectric Field



Enzymes

Capture of Free Energy from the Oscillating **Electric Field** Aka: Schumann Resonance

Wesserhoff et el.

raised as to 1

culd also be transduced to work by our model entrem

Tsong and Astumian (5), this provides a in diameter, sufficient to cause substantial free-energy

Proc. Nati. Acad. Sci. USA 83 (1986)

Esting and Astumian (5), this provides a conformational and electrical energy. (the electric field is a thermodynamic flect the equilibrium between enzyme states 4 and 1 and between 1 and 23. An a thermodynamic parameter may then golds. That escillations in temperature all surverse to shareh free agest tion in our mode intsduction in our model. It would be interesting to explore the possibility that a In words to more straining to expect the potential that is consistent membrane potential could be acculty modulated by the system likely, say, for example, by the opening and doiing of an is in channel correlated to the state of the transfering protein. Such a mechanism was proposed by Torong and Autominio (5) for $F_2T_{-}XT$ prophase. Tet, such ins to absorb free energy from Torug and Atmassin (5) for F_0^- , ATP synthesis. Yet, such thanken irrodulisation may not be researangy and cost of the dataset of the second state of the second s at systems to asserb the entryy from a indeed been possibled G2), anduction between the oscillating elec-ett (or chemical work) reported in this a "parametric pamping" (13) and from m" (14). Parametric pamping involves and antillation of two menors in only one parameter fi.e., the electric from the outside. Only if it would have S be electrically charged, our mode from the outside. Only if it would have is the electrically charged, so or model nesidered a special case of parametric parameters on calculation, however, 5 was electrically nested. Parametric excision requires the coupling of Bree systems that are ph themselves couldary. Left in Isof, our entyme would have no tendency to estillate rote would our "bud system," the transmet house concentration difference

We thank Merry Peters for typing this manascript. This work was supported, in part, by National Institutes of Health Guart GM20790 10 T.V.T.

Guffani, A. A., Fuchs, R. T. & Krabwich, T. A. (2003) J. Biol. Chem. 258, 35-37. Biol, Chew, 288, 25–37.
Boyer, P. D. (1965) in Oxiolases and Related Redex Systemer, eds. King, T. E., Maton, H. S. & Marrison, M. (Wiley, New York), Vol. 2, pp. 594–3064.
Wescenbell, H. V., Moladot, B. A., Vernzesli, G., Azzone, G. F. & Kull, D. B. (1984) Biochem. Biophys. Acta 766, 917–93.

92. 1156T. H. V. & Chen, Y. (2005) Proc. Natl. Acad. 51.

254 82, 3222-3226. Gong, T. Y. & Astamian, R. D. 09860 J. Electroanal. Chem.,

in press. Serpersu, E. H. & Tsong, T. Y. (2083) J. Membr. Biol. 74, 101 (201) Sepena, E. H. & Toog, T. Y. (1984) J. Bol. Chem. 289,

7155-7162. Hill, T. L. (1977) Free Energy Transduction in Biology (Ann-

and the second s nic, New York). erobon, D., Zontti, M. & Azzene, G. F. (2083) Biochim.

Biophys. Acta 223, 317-321. Knott, G. D. & Shinger, R. I. (1972) Comput. Graph. 6,

indeed, we have calculated that externally defined random noise in the electric field was transduced to work. However, real equilibrium noise around our enzyme system would not be random if considered for the enzyme being in way of its states. When we took this correlation between enzyme state and noise in the electric field into account, the calculations no longer turned up work (R.D.A., Y.-d.C., and H.V.W.,

spohished). Oscillating electric fields have been observed around cells.

Oscillating electric fields have been observed around cells (reviewed in ref. [10], and, in fact, it has been shown security that Na⁺, X⁺-ATPase little (ang jive rise to oscillating electric fields) (19) (as "revenue" operation of our model system would do). Conservedy, oscillating electric fields applied to instact cells have been shown to affect their metholism (reviewed in ref. 20). The amplitudes of the destric fields Skulachev, V. P. (1982) FEBS Lett. 166, 1–6. Pold, H. A. (1984) in Nonlinear Electrodynamics in Biological Systems, eds. Adey, W. R. & Lascence, A. F. (Hensen, New York), pp. 82–303. Varidisens, K., Schler, L. Matsubare, Y. & Oh, T., (1984). Yerrit, pp. 187–103. Vorikawa, K., Sakabe, L., Matsubara, Y. & Ola, T., (1984) Euglyin, S. R. (1984). In *Physical Interconference in Histophysical Systems*, eds. (1984). Res Vol. 2010, pp. 1422. New York, pp. 1422.

inside to produce such effects are often much lower than the transmembrane field strength. However, because of the focusing effect (21), an overall field of 100 V/cm would imply a transmembrane electric softmild of 20 mV for a cell of 5 un

Enzymes

Enzymes

Pay. Mari. doub. Sci. UKS Tel. 10, pp. 478-4758, hely 1986 Biophysics

How enzymes can capture and transmit free energy from a oscillating electric field

Los V. WERTERSON¹¹, They Yow Those?, P. B. CROCH, Yi Han CHEN, and R. D. ARTENALAS⁴ form a Neuronal Mesone King, Lenney V. Makane Mang, Instead Joston, Antoni, Instead Anton, and Instead Advances King, Lenney V. Makane Mang, Instead Joston, Antoni, Instead Chen, and Manager Manager M. Schwarz, M. W. Markov, M. W. Markov, M. Manager Manager, Manager Man, and Antonio Manki, Baltura J. Jane 20, Markov, M. 1990.



Capture of Free Energy from the Oscillating Electric Field Aka: Schumann Resonance

Is there a CONNECTION ?



Bosnian Pyramids - Places for Healing

Indonesia

Egypt

Cambodia

www.PulsedTechResearch.com www.PulsedTech.com www.PulsedTech.RO

Teotihuacan

Bosnian Pyramids - Places for Healing

27.3

33.8

7.83

14.3

20.8



Mind-Body-Spirit Relationships

 This IS, (in at least part), the "connection" between the MIND-BODY-SPIRIT aspects of our lives!

Dr. Albert Szent-Gyorgyi

The Pioneers

Dr. Robert O Becker

BRAINWAVE STATES

ANESTHESIA (Induced) REPAIR & REGENERATION

SLEEP

Dr. Olena Bukalo

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Dr. Ralph Gerard

Dr. Albert Szent-Gyorgyi

The Pioneers

BRAINWAVE STATES

SLEEP



RESEARCH

The Pioneers

Dr. Robert O Becker

Dr. Olena Bukalo



Healing and Repair Voltage Level Current Reversal Mental Reset

ANESTHESIA (Induced) REPAIR & REGENERATION

Pineal Gland – Creator of Hormones, Feelings, and (maybe even) States of Consciousness

Repair & Regeneration

Pineal Gland

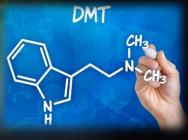
Sleep

CH3

MELATONIN

Serotonin & Other Messenger Molecules

Anti-Oxidants



Natural Healing from Within

Day (Active) Mode

VSG

eplace with Hi version photo Pineal Gland

Anti-Oxidants/ Free Radical Scavenger

MELATONIN

Repair & Regeneration

DMT

Sleep Night (Sleep) Mode Serotonin & Other (Messenger Molecules

VSG is a supplemental tool for when you cannot access the natural rhythms of life!

[replace with HER version photo]

VSG

Day Mode

Night Mode

Helping to restore access to the natural rhythms for natural healing and mental health

DISRUPTORS



Electro-Pollution

Brainwave States

e "Disrupted"

Toxic Foods & Environment

Smart-Meters

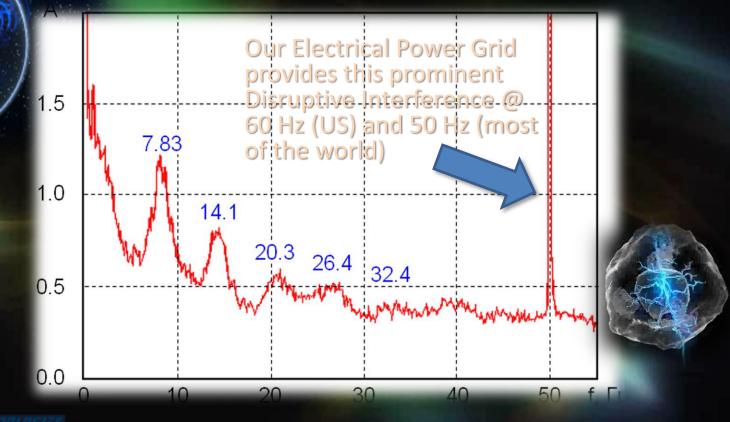
Cell Phones

Ni-Fi

Cellular Energy

Pineal Gland

Electrical Power as a DISRUPTOR



PulsedTech/HER VitaSet Generator

Helping to restore access to the Earth's rhythms for natural healing and mental health



Everyone Needs One or the Other



Mind Body Spirit



What is ENTRAINMENT?

- Entrainment is a principle of physics.
- It is defined as the synchronization of two or more rhythmic cycles.
- The principle of entrainment appear in chemistry, neurology, biology, pharmacology, medicine, astronomy and more.
 - Case in point: while working on the design of the pendulum clock in 1656, Dutch scientist Christian Huygens found that if he placed two unsynchronized clocks side by side on a wall, they would slowly synchronize to each other, In fact the synchronization was so precise not even mechanical intervention could calibrate them more accurately.



Reference: Transparentcorp.com



Hemi-Sync_m – **Binaural Beat**

 The target range for intended entrainment is much lower than perceivable sound frequencies

210

• The Brain interprets the difference of the 2 distinctly different signals as a single frequency DOWN in the intended target range.

Practical Application

When using ENTRAINMENT applications, we use SINE WAVES

Sine Waves are the cleanest of the wave forms and do not contain harmonics at other frequencies to confuse the entrainment signal

Entrainment Transitions

 Transitions from one state to another is best done in calculated steps

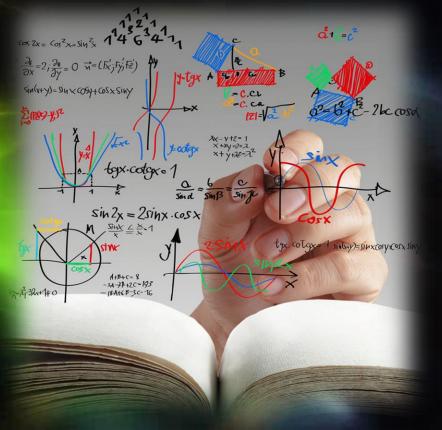
Guided Entrainment to Specific Brainwave States



Brainwave State GAMMA – 27 Hz – and UP



- Gamma is associated with the formation of ideas, language and memory processing, and various types of learning.
- Gamma waves have been shown to disappear during deep sleep induced by anesthesia, but return with the transition back to a wakeful state.



Brainwave State BETA – 12 Hz – 27 Hz

• Wide awake.

 This is generally the mental state most people are in during the day and most of their waking lives. Usually, this state in itself is uneventful, but don't underestimate its importance.





- Many people lack sufficient beta activity, which can cause mental or emotional disorders such as depression and ADD. and insomnia.
- And low SMR production (a sub-range of beta at 12-15hz) may be related to insomnia.
- Stimulating beta activity can improve emotional stability, energy levels, attentiveness and concentration.

Reference: Transparentcorp.com

Brainwave State ALPHA – 8 Hz – 12 Hz



- Awake but relaxed and not processing much information. When you get up in the morning and just before sleep, you are naturally in this state. When you close your eyes your brain automatically starts producing more alpha waves.
- Many studies monitoring the EEG activity of experienced meditators have revealed strong increases in alpha activity.
- Alpha activity has also been connected to the ability to recall memories, lessened discomfort and pain, and reductions in stress and anxiety.

Reference: Transparentcorp.com

Brainwave State THETA – 3 Hz – 8 Hz

 $\Theta \theta$ Theta

Light sleep or extreme relaxation

Theta is also a very receptive mental state that has proven useful for hypnotherapy, as well as self-hypnosis using recorded affirmations and suggestions.

Reference: Transparentcorp.com



Brainwave State DELTA – .2 Hz – 3 Hz



Deep, dreamless sleep.

Delta is the slowest band of brainwaves.

- When your dominant brainwave is delta, your body is healing itself and "resetting" its internal clocks.
- You do not dream in this state and are completely unconscious.



Creative Visualization

• ENTRAIN and UTILIZE the specific states to their fullest potential !

Specific states may also provide the "Gateway Points" for more advanced Information Delivery !

Note: Pulsed Technologies Research is preforming advanced experiments in Molecular Signature capture, recording, and emulation.



Gateway Points – Complex Information

 Bringing the subject to the appropriate brainwave state MAY make receptivity of complex biological information more readily available

Information embedded in messenger molecules, medicinal plants, even prescription pharmaceuticals "might" be conveyed

Effects from these messages may be delivered without the toxic effects normally associated with the actual pharmaceuticals

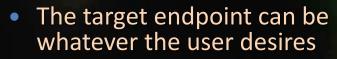
Molecular EMULATION may be possible for substances difficult or even illegal to obtain.

Entrainment Transitions

 Transitions from one state to another is best done in calculated steps

Brainwave End-Point





Entrainment Protocols

Pulsed Technologies Brainwave Entrainment Protocols will be released in association with H.E.R. Technology and the upcoming SAL-369 software suite

The protocols will currently run on existing Pulsed Technologies PFG Lab control software and will be released in a Mind-Body-Spirit Library available through H.E.R.

• RELEASE NOVEMBER 2014



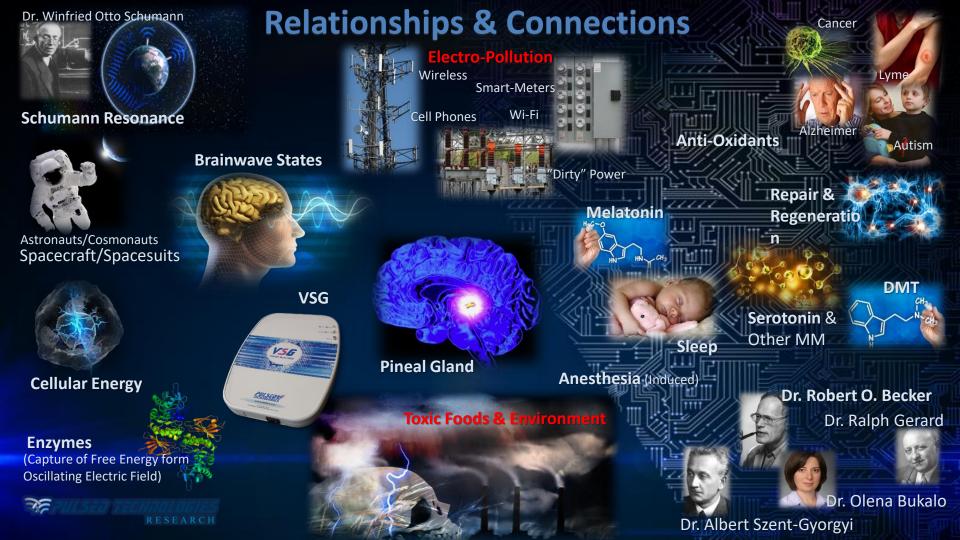
Entrainment Steps

Gamma 30+	Beta 30>13	Alpha 13>8	Theta 8>4	Delta 4>.2
33.8	27.3	10.725	7.83	3.915
32.5	26.4	10.575	7.8	3.9
L	25.35	10.4	7.15	3.575
The	24.375	10.15	7.05	3.525
10 7	20.8	8.45	6.825	3.4125
	20.475	8.125	6.6	3.3
	20.3	· · · · · · · · · · · · · · · · · · ·	5.8725	2.6
	19.8		5.85	2.5375
	16.9		5.2	1.9575
	16.25		5.075	1.95
	15.6	2	4.225	1.7875
	15.225		4.0625	1.7625
	14.3			0.97875
and the second	14.1	<i>3</i>		0.975
4111	13.65			
	13.2	1		

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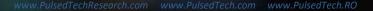
Gateway Points – Complex Information

Astral Projection Creative Thought Enkephalin Production (Pain Killers) Euphoria (Endorphin Production) Meditation • Regeneration Relaxation • Relaxed Breathing SoC - State of Consciousness Sound Sleep



7 CHAKRA

Pulsed Technologies



Education / Enlightenment / Sharing

 Different personal paths to the ideal "destination"

172.06 **Chakra via Entrainment** \bigcirc 221.23 1 141.27 Ø Sahasrara Crown 136.10 **Third Eye** Ajna 126.22 210.42 Vishudd 0 Hea ata Solar Plexus Manipura dhisthana Sacri Muladhara 100

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10.4

Chakra Balancing

 The Chakra balancing and stimulating protocols will currently run on existing Pulsed Technologies PFG Lab control software and will be first released in a Mind-Body-Spirit Library available through H.E.R.

RELEASE NOVEMBER 2014

36.10



MOLECULAR EMULATION

MOLECULAR EMULATION

Pulsed Technologies

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Molecular Communications

 The molecular messages express themselves in physical forms and processes

P.M.E.

Polymannan Extract



Albarin – P.M.E.

 According to an article by John Hammell in the April 2002 Life Extension, DiStefano and Mayer did no advertising and charged only \$1,200 for a series of forty treatments, or as many as the patient needed for remission —

less than the cost of one chemotherapy treatment.

- They turned no one away for financial reasons.
- They had a **remission rate of 94%** in the first hundred patients, who came from hospices, and 80% overall.

European Patent 2661274A1



P.M.E. Modis Operandi

 Dr. Ivan Danhof describes the mechanism and messaging going on to affect immune boost, anticarcinogenic action and, metabolic instruction given by this amazing long chain sugar.

000

DANDHOFF MEETING 3/5/12 WanD, Daniel D. + Jummie H present PME = poly Munnan 1 mh - 234 Willing PME = poly mannan mhe fral 1. 220201010 aboride 2,000,001 10,00h RAD TNFd, - antitur arander got en - 1,500,04 120 B - Tengregeter Managol, 900,000 lupothalu 9 Mm - T-sliving albenam 104,000glue ! Son MO' 1/2lu NTUFO IL-2 TNRCOLO 3) TL-6 - X 4/ Th-6 INF-2. actiaty Nº ICcell Witnessed Currentiat Di 1 UL 41765 " MITNESSED & UNDERSTROIS Damis Dralin 41 PT - mannet Note: Dr Stevellaltiwanser was present part of this meeting via cell call. Witness Funderta * ** ** FechResearchianak spanwww.Pulsealifech.com www.PulsedTech.RO ord nause ston bookmark

Molecular Signature & Instructions



Dr. Ivan Danhof, MD, PhD, creator of "Albarin" (PME) with PulsedTech engineer Thomas Drake discussing information capture and signaling messages being conveyed. PulsedTech Research is currently working to capture the embedded message of certain signaling molecules to ideally emulate these complex messages when the drug or substance is not available

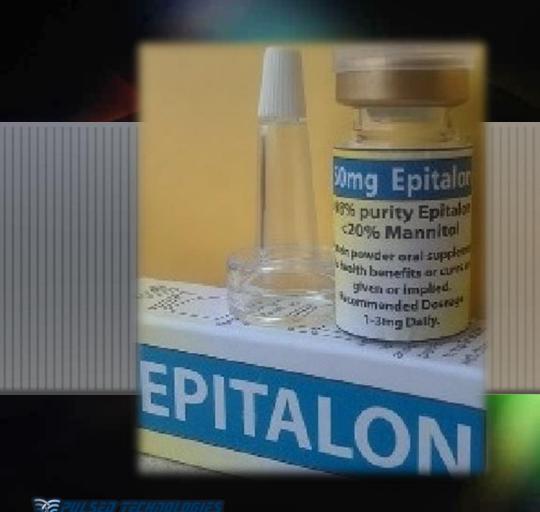




Molecular Communications

- It is important to note that while what is being presented here for your perception is a sound file
- The actual message or instruction is NOT an "AUDIBLE" energy





EPITHALON

Pulsed Technologies



Pineal Gland & Epitalon

It is important to



Dimethyltryptamine "The God Molecule"



DMT

CH₃

LIFE EXTENSION

Pulsed Technologies

Life Extension

The Choices are YOURS!

- Raw Foods = substances for rapid cell repair
- Supplemental Energy = more efficient metabolism and internal communications
- Target Pathogens = get rid of the physical/chemical drain on YOUR bodily resources



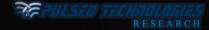


Longevity, Aging & Healing

- In both aging (Barker, 1983) and degenerative conditions cells lose their membrane charge. Photo and frequency therapy has the ability recharges cell membranes.
- The cells can then use this energy in many ways; but most especially in production of ATP, the "energy currency" of the living tissue.
- In restoring the charge of the cells that are functioning sub-optimally, the body can be moved naturally towards a state of health, which is manifested by faster tissue regeneration (Vodovnik, 1992).

Aging Reversal

- New synthetic molecules, versions of natural tera-peptides show increasing promise they may be utilized to deliver instruction signals via the DNA to initiate repair of failing or broken functions.
- i.e. Telomere repair



PLANT GROWTH Pulsed Technologies

Life Extension

The Choices are YOURS!

- Raw Foods = substances for rapid cell repair
- Supplemental Energy = more efficient metabolism and internal communications
- Target Pathogens = get rid of the physical/chemical drain on YOUR bodily resources



Imprinter Colloidal (iCS) Silver Water

 The suffering plant has exhibited explosive regeneration and phenomenal new growth with simply the application of imprinted/energized (likely restructured) water/CS media in this simple experiment by Engineering Associate Daniel Drake



< BEFORE

AFTER >





PFG2z or VSG

Precision Function Generator





Almost everyone NEED a PFG or VSG both NOW or IN THE FUTURE!



Practical Application

 Application Points Left & Right Trapezius Shoulder-Neck area



- PFG2Z preferred Application Method
- DO NOT PLACE
 ELECTRODES
 ON HEAD !

172.06 **Chakra via Entrainment** \bigcirc 221.23 1 141.27 Ø Sahasrara Crown 136.10 **Third Eye** Ajna 126.22 210.42 Vishudd 0 Hea ata Solar Plexus Manipura dhisthana Sacri Muladhara 100

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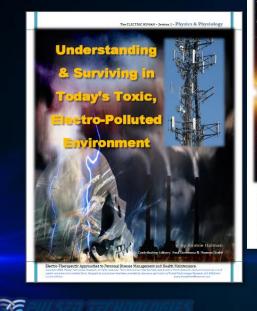
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Electro-Pollution and Earth Resonance

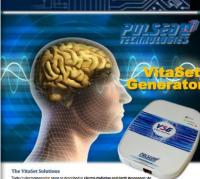
An Examination and Solution for the Biological Devastation of Our Modern Environment

Jimmie Holman & Paul Dorneasu

Our Samh is being constantly bombanded with approximately 50 littles of lightening each and very recent. Each fish means an electromagnetic worker that bagins critical the earth within the early of our strategisters between the early's surface and a boundary of charged particles some 60 miles up. These waves of similar wavelength, combine, increasing in strangth, to finm a requesting heartbear known as the Scheman meanmain.

In 1952, Prof. Whifned Otto Schumann of the Technical University of Munich predicted and calculated this phenomena which was reliably first measured and validated around the early 1960's.

PULSED TECHADLOGIE



day's electromagnetic smog as described in Electro-Pollution and Earth Resonance: An amination and Solution for the Biological Devastation of Our Modern Environment, (earth 2015), discusses our ever increasing problem



often exclosed or even universe to most people totals, Access to the manual signade of the earths are important to human health. Many of our metabolic metabolic sectors and the sector of the sectors becames even important to enable and supplement to most both traviagi and domestic ages. Bight and space totals all for any and domestic ages. Bight and space totals all for any and domestic ages. Bight and space total and the sectors and the sectors and the sectors are all totals. It should be most any of any advector any advector and to provide these mechanism or equipment on board to provide these mechanism and the sectors and the s

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www.PulsedTechResearch.com/the-electric-human/

Jimmie Holman & Dr. Steve Haltiwanger

A wealth of information in one place FREE!









Electro-Therapeutic Approaches to Disease Management & Health Maintenance

With application considerations for Arthritis, Cancer, Lyme, Diabetes, Multiple Sclerosis, Bacterial, Viral, Immune System, Pain, Wound Healing and other Non-Conventional Protocols Including Do. It-Yourself Projects for Electro-Therapeutic Experimentation and Education

Jimmie L. Holman, Dr. Steve Haltiwanger, MD, CCN, & others with a forward by Paul Dorneanu





... from the PulsedTech Team

www.PulsedTech.com www.PulsedTechResearch.com jimmie@pulsedtech.com

VSG



ww.PulsedTechResearch.com/the-electric-human

The Electric Human

Electro-Therapeutic, Approaches to Disease Management & Health Maintenance

With application considerations for Arthritis, Cancer, Lyme, Diabeets, Militple Schrosis, Bacterial, Viral, Immane System, Pain, Wound Healing and other Non-Conventional Protocols Including Do-Heavest for Electro-Therapeutic Experimentation and Education

Jimmie L. Holman, Dr. Steve Haltiwanger, MD, CCN, & others with a forward by Paul Dorneanu Questions & Answers

 Section 3 has an especially good "Q&A" area as well "Strategies and Considerations Briefs"

Rife's Strategy

Tumor Preparatio

Rife meticulously prepared and recorded samples for study

DEAD

The observer would witness the light-stained pathogen transform from a glowing violet to a dead black when the task was accomplished

/Frequency Adjustment

Rife would adjust his frequency generator to the known MOR (Mortal Oscillatory Rate)

Observation of Destruction

 Rife would monitor the controlled destruction of the targeted pathogens



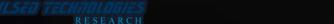
Precision Function Generator

Also Includes:

- Power Supply
- USB Interface, Electrode & Extension Cables
- Reusable Electrode Pads &
- PFG Lab software

Ideal Application

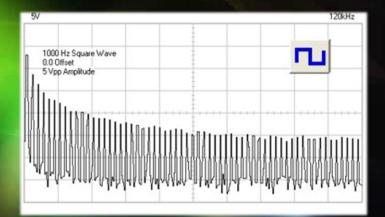
QUANTUM ILIFE/INFINITY



36

Q&A – Plasma / Contact Frequencies

- What are "Higher Frequencies"?
- The Higher Frequencies, as we name them, are harmonics (or multiples) of the lower frequencies, usually above 20,000 Hz. to well over 100,000 Hz. Pulsed Technologies equipment both plasma and contact operate in these regions of the spectrum.
 - Most available (competitive) plasma equipment is of the EMEM type and has a vastly limited frequency spectrum even less than the audio spectrum. Some claim 10-15,000 Hz but in actuality, effective emission is being stressed at only a few (3-4) thousand Hz.





iCS Accessory

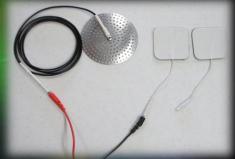
- Extremely High-Grade Colloidal Silver Solution may be generated with any of the Pulsed Technologies PFG or newer P3pro devices and the ICS Accessory.
- iCS solution becomes the "media" for user-defined IMPRINTABILITY of custom protocols.

Custom Protocol Imprinting occurs only AFTER initial CS solution is manufactured.

Immerse-able Electrode



- May be used as an electrode in a footbath for excellent large area conductivity
- Or in a moist/wet cloth for localized application to wound area
- Replaces one of the conventional electrodes



Hand or Foot Bath

• The indirect distributed contact via heavily salted conductive water provides simultaneous conductivity through all meridian points.





This configuration allows the use of the PFG to be also utilized for other purposes (i.e. "contact method", production of "imprintable colloidal silver", etc

- The P3 Requires the use of a separate PFG series device for proper operation.
- Required cables are supplied.



Diagnostic Assessment

3333334769 several statutes and several seve

Sector Contractor Contractor

HEALTH

www.PulsedTechResearch.com www.PulsedTech.com www.PulsedTech.RO

QL / Practitioner Assessment

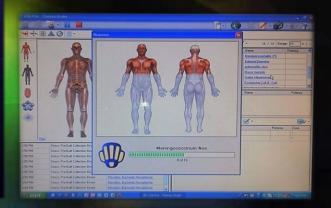
 Practitioner assessment aids can be instrumental in quickly determining issues needing to be addressed including "frequency supplementation" and targeting applications or protocols



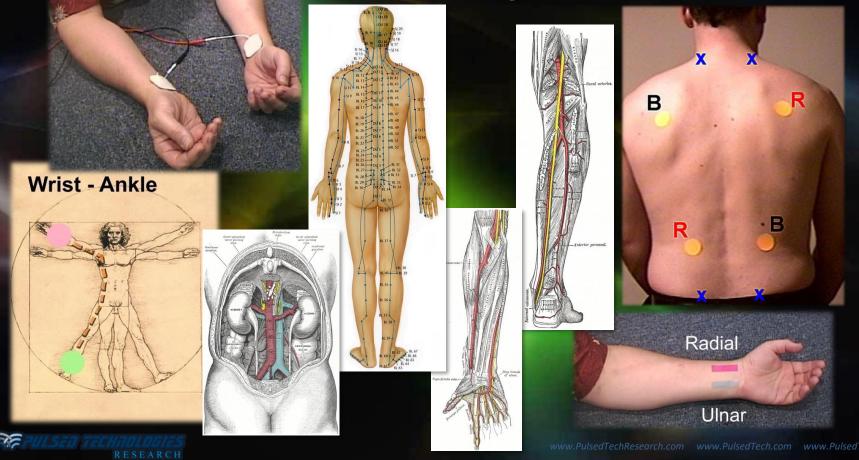
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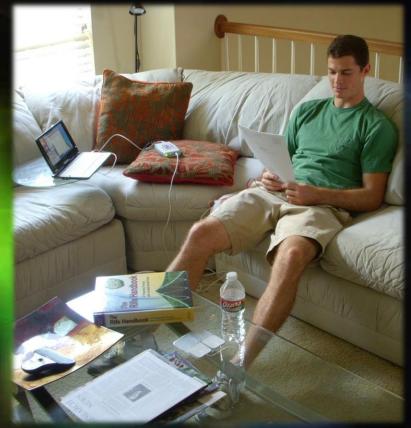


Delivery Considerations



Practical End-User Application

- Client can use preprogrammed system in the privacy of their own home
- May be utilized while reading, watching TV etc. so as to minimize impact on daily schedule
 - Daily protocol commitment and regular reporting and/or feedback to practitioner can be done on the clients schedule
- Data and comments being "collected" via txt messages at the practitioner office can be addressed on his schedule





Commitment & Monitoring

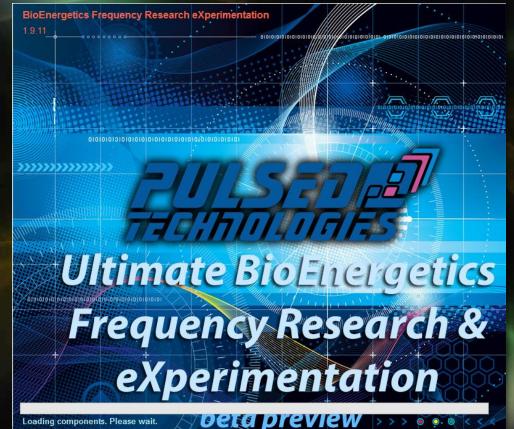
It is CRITICAL when dealing with Lyme and co-infections that **CONSTANT DAILY PROTOCOLS** be maintained!!!

TARGET ISSUES / PATHOGENS PREVENT MUTATIONS

 Regular MONITORING and PROGRESS ASSESSMENTS by a knowledgeable practitioner NEEDED ADJUSTMENTS SUPPLEMENTATION (to optimize protocol effectiveness)

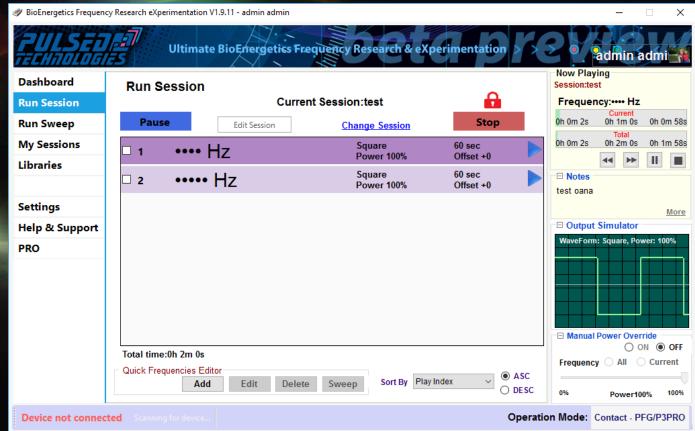
 Much of this CAN be done remotely with proper equipment and online connectivity Regular Biofeedback Assessment & Analysis PFG LAB REMOTE SUPPORT





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Ø BioEnergetics Frequency Research eXperimentation V1.9.11 - admin admin \times **Ultimate BioEnergetics Frequency Research & eXperimentation** admin admi Now Playing Dashboard Session:SUPPORT Run Session G **Run Session** Current Session: SUPPORT Frequency:23,958.00 Hz Current Pause Stop 0h 0m 4s 0h 0m 40s 0h 0m 36s Run Sweep Edit Session **Change Session** My Sessions 0h 0m 4s 0h 34m 0s 0h 33m 56s Square 40 sec 23,958.00 Hz 1 Power 100% Offset +0 41 44 ÞÞ Libraries 20 sec 24,354.00 Hz Square Notes 2 Power 100% Offset +0 should be run with most Square 90 sec Settings 28.251.00 Hz 3 Power 100% Offset +0 More Help & Support Output Simulator 90 sec Square 29,766.00 Hz 4 WaveForm: Square, Power: 100% Power 100% Offset +0 PRO Square 90 sec 32,121.00 Hz 5 **Power 100%** Offset +0 90 sec 32,670.00 Hz Square 6 Power 100% Offset +0 Square 90 sec 36,735.00 Hz 7 **Power 100%** Offset +0 Manual Power Override O ON OFF Total time:0h 34m 0s Frequency O All O Current Quick Frequencies Editor ASC Sort By Play Index Add Edit Delete Sweep O DESC 0% 100% Power100% Operation Mode: Contact - PFG/P3PRO Device not connected



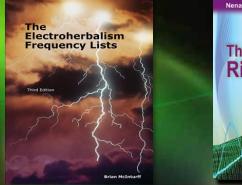
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Dashboard	Libraries		Now Playing Session:test
Run Session	The Libraries offers you access to sets of frequencies. In order to use any of the frequencies sets in one of the libraries, you need to add them to either a new session or to an existing one.		
Run Sweep			
My Sessions	PT-CAFL-HF-2007	✓ Import Delete	
Libraries	Search pain	×	Notes
	Nr libraries: 4 Abdominal pain	Details	test oana
Settings	Acute pain	Abdominal_pain ^	More
Help & Support	Bile duct 1	Nr. frequencies:4 40,000.00 48,000.00	Output Simulator
PRO	Bunion pain	48,640.00 49,152.00	
			Manual Power Override
		~ · · · · · · · · · · · · · · · · · · ·	ON OFF
			Frequency All Current
	Add to	a New Session Add into Current Session	0% Power0% 100%
Device not connected Scanning for device Operation Mode: Contact - PFG/P3PRO			

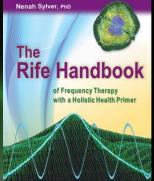
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Q&A – Plasma/Contact Frequencies

- What frequencies should I be using?
- You can choose frequencies from the software's library or from other sources. Most frequencies publically available are below 10,000 Hz. However, we recommended running Higher Frequencies. Laboratory evidence CLEARY indicates higher frequencies are more effective. Precise waveform characteristics

are also critical. This is also discussed in greater detail in the "Frequency Generation Considerations" document.







Entrainment

Entrainment is a principle of physics.

 It is defined as the synchronization of two or more rhythmic cycles.

 The principle of entrainment appears in chemistry, neurology, biology, pharmacology, medicine, astronomy and more.

Case in point: while working on the design of the pendulum clock in 1656, Dutch scientist Christian Huygens found that if he placed two unsynchronized clocks side by side on a wall, they would slowly synchronize to each other, In fact the synchronization was so precise not even mechanical intervention could calibrate them more accurately.

Reference: Transparentcorp.com