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Cannabis Smoke
&
Psychoacoustics

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Cannabis is a sacred plant that has been widely used among indigenous wisdom traditions in communities throughout the world for at least tens of thousands of years. The name 'cannabis' is of Greek origin, while the Sankrit name is '*ganjika*' –revealing the origin of the modern name 'ganja'. Ancient mummies have been excavated with cannabis remains in Altai, Siberia; Xi'an and Turpan, China; Luxor, Egypt; Berel, Kazakhstan; Gurbanesti, Romania; and at the Kunar River, Pakistan.



Sadhu smoking ganjika
River Ganga, India

However, modern medical research concerning the many health benefits and physiological effects of smoking cannabis (marijuana, hashish, or cannabinoids) has been widely suppressed despite its widespread medical recognition and rapidly growing use in developing countries.

The anti-depressant and anti-anxiety effects of cannabis smoking, in addition to oral consumption of 'ganga foods' containing cannabis extracts, are common knowledge. However, the most significant physiological effects of cannabis smoke inhalation remain almost entirely unknown, even among regular users of this ancient sacred herbal remedy.

Laboratory investigations undertaken in the last two decades have revealed that cannabis smoking effectively remediates pain, nausea, vomiting, epilepsy, ischemic stroke, cerebral trauma, multiple sclerosis, cancer tumors and other disorders in humans and animals.

Tetrahydrocannabinol (THC) and cannabidiol (CBD) are most prevalent among at least 113 active cannabinoids identified in cannabis that activate two types of cannabinoid receptors, designated CB1 and CB2. These cannabinoid receptors are distributed mainly in the brain and nervous system of all mammals, including humans, as well as various other vertebrate and invertebrate species:



Cannabis *indica* flower
Hybrid species strain

Several decades of irrational prejudice may have hampered clinical research on cannabis as a medicine, but work on the pharmacology of its active ingredients has been making steady progress. Just as the body has a natural counterpart to the opiate drugs, so too it makes its own endogenous cannabinoids. These act through receptors, of which two variants—CB1 and CB2—have been definitely identified and at least one other is suspected. The CB1 receptors are located only in the brain; their CB2 counterparts are found peripherally, and especially on the cells of the immune system. Cannabinoid receptors are present not just in vertebrates but also in mollusks, leeches, and other invertebrate groups that have been evolutionarily separate for 500 million years. The fact that natural selection has for so long conserved these receptors is an indication of their physiological importance.¹

The incontrovertible conclusion that has been drawn from the abundant presence of cannabinoid receptors in such a wide variety of species is that natural generation of endogenous cannabinoids (endocannabinoids) occurs within the bodies of all such species *—proliferating in diverse habitats where contact with cannabis plants has never occurred—* when specific natural conditions are present. So, exactly what environmental conditions could possibly induce endocannabinoid production in squid, octopi, or even mollusks?

The answer to this question has evaded modern researchers for several decades, and is revealed here for the first time. Hemispheric synchronization of the brain and nervous system is induced in all of these species and habitats when two slightly offset frequencies of sound together induce an effect called binaural beating, whereby a third interference frequency becomes distinctly audible. This effect of tri-frequency resonance can potentially occur in any biome; in the air, on land, below ground or in aquatic habitats.



It is precisely this environmentally-induced effect of psychoacoustic resonance that triggers the natural production of endocannabinoids, which engage cannabinoid receptors in the brain and nervous system, causing the growth of new neurons in the hippocampus, or *hippocampal neurogenesis*. Clinical studies of this neurogenesis process show its effectiveness in both embryonic and adult cannabis users, *yet have not been conducted using psychoacoustic induction*. Ancient psychoacoustic whistles of the Ohum civilization discovered at the pyramids of La Maná, Ecuador² induce this effect in users, as demonstrated by Suzanne Benoit and this author in 2013 (above).³

As witnessed in the video, playing these psychoacoustic whistles for even a short period of time generates binaural beating effects that induce hemispheric synchronization of the brain, as well as stimulating vagus nerve activity that upregulates potassium channels (Shen *et al.*, 2013)⁴ and promotes restoration of consciousness of patients in vegetative states (Corazzol *et al.*, 2017).⁵ As most apparent at the end of the video, intense vibratory effects felt in the face and chakras of the body accompany the release of endocannabinoids within the brain of the whistle-player, resulting in hippocampal neurogenesis. *Laughter and joyous sensations that arise in the players of these instruments are very similar to euphoric 'highs' enjoyed by cannabis smokers.*

Consumption of cannabis extracts is the only method for induction of hippocampal neurogenesis that has been studied in clinical trials, although the role of hemispheric synchronization has not been identified by researchers as the crucial effect that in turn causes neurogenesis. In 2005, laboratory investigators of neuronal growth phenomena reported 'Cannabinoids Promote Embryonic and Adult Hippocampal Neurogenesis and Produce Anxiolytic- and Antidepressant-Like Effects' (Jiang *et al.*, 2005)⁶, following an earlier study on CB1 (Jin *et al.*, 2004),⁷ while the great majority of psychoactive substances yet studied actually suppress the neurogenesis process, many of which actually destroy neurons in the brain (ie. alcohol, heroin, cocaine, ketamine, methamphetamine, etc...).



Notable exceptions to this fact include natural hallucinogens such as psilocybin ('magic mushrooms'), peyote and ayahuasca, which enhance neuroplasticity and effectively promote neurogenesis at moderate dosages.

Interestingly, low to moderate cannabis dose administration also produces the greatest beneficial effects, whereas administration of high doses cause a long-lasting inhibition of acetylcholine release in the brain, as detailed in 'Biphasic Effects of Cannabinoids on Acetylcholine Release in the Hippocampus: Site and Mechanism of Action' (Tzvara *et al.*, 2003):

Cannabinoids have been shown to critically modulate cholinergic neurotransmission in the hippocampus,... [producing] a biphasic, dose-dependent, effect on hippocampal acetylcholine: a low (0.5 mg) and a high (5 mg) dose... induces a transient stimulation and a prolonged inhibition of hippocampal acetylcholine efflux, respectively.⁸

Another beneficial effect of cannabis use involves its inhibition of monoaminergic neuro-transmission (Tzvara *et al.*, 2003).⁹ Monoamine oxidases are enzymes in the body responsible for degrading biogenic amine neurotransmitters such as noradrenaline (norepinephrine), serotonin and dopamine. As a monoamine oxidase inhibitor, cannabis acts as a natural antidepressant.

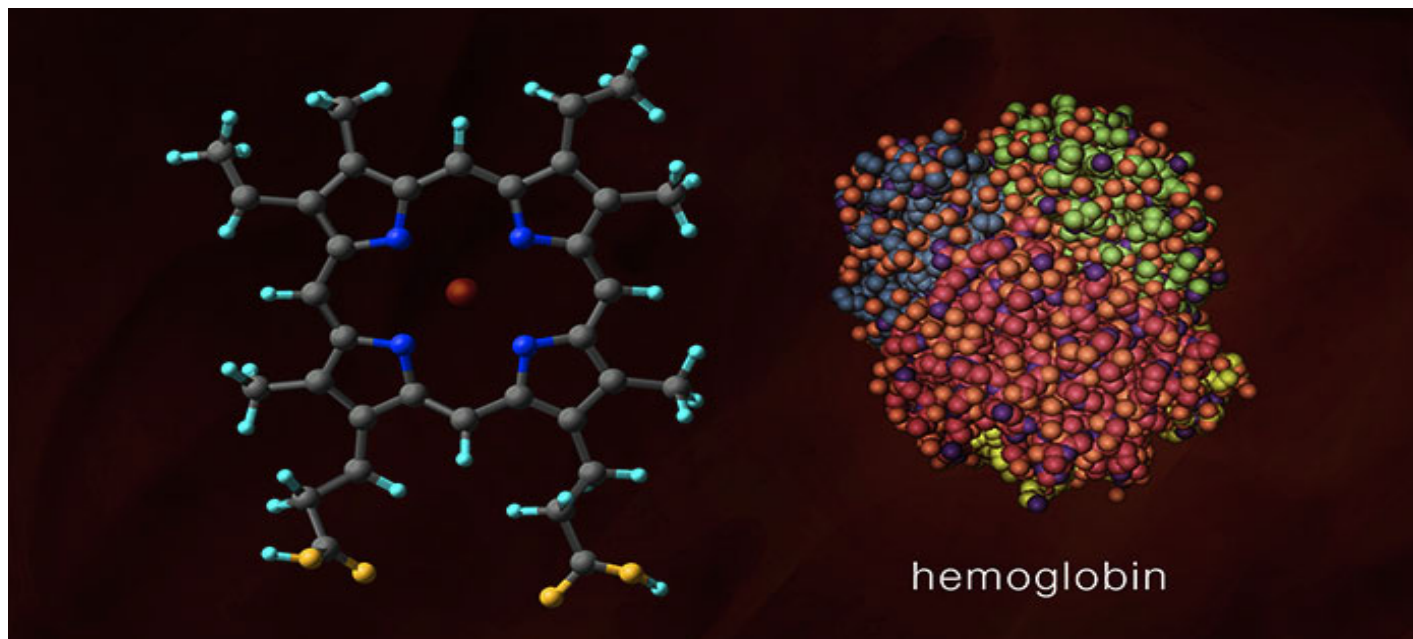
Cannabis smoking upregulation of the prime anti-oxidant glutathione in the lungs and liver has also been reported, greatly enhancing cellular protection throughout the body by maintaining other key anti-oxidants in their reduced (active) form to maximize antioxidant activity. Increased concentrations of glutathione in the lungs offer greater protection against foreign material and pathogenic agents within the respiratory system.

In addition, cannabis smoking influences upregulation of catalase and superoxide dismutase in the blood and saliva to about twice the normal levels, significantly enhancing the cleansing activity of the body's immune and detoxification pathways. These primary antioxidants offer crucial protection against oxidative/peroxidative cellular damage and are closely tied to longevity.

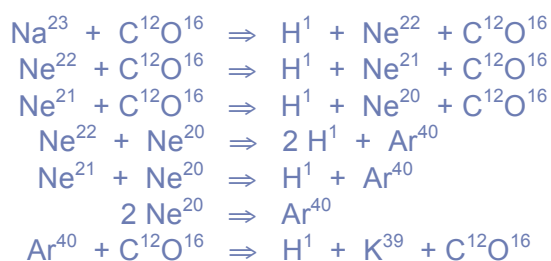
The potent anti-cancer effects of cannabinoids were reported in 2016, through their ability to actively prevent cancer cells from multiplying. According to US Patent Application 20160015683: "cannabinoids, including THC and Cannabidiol, promote the re-emergence of apoptosis so that tumors will stop dividing and die" (McCarty, 2016).¹⁰ Rather than causing lung cancer, as erroneously promulgated by worldwide governmental anti-smoking propaganda, *cannabis smoking effectively prevents the growth of cancer cells throughout the entire body. In fact, skin application of cannabis oil is less effective than smoking for delivering cannabinoids to prevent growth of cancerous lesions.*

Most recently, the potent neuroprotective activity of phytocannabinoids such as tetrahydrocannabinolic acid (THCA) has been reported (Nadal *et al.*, 2017).¹¹ Six distinct phytocannabinoids are now known to bind with, and thereby activate, peroxisome proliferator-activated receptor- γ (PPAR γ), increasing mitochondrial mass in neuroblastoma cells, and preventing cytotoxicity. This process also improves motor deficits, prevents striatal degeneration, attenuating microgliosis, astrogliosis and inflammation.

Cannabis smoke inhalation introduces low levels of carbon monoxide (CO) into the lungs, which is then absorbed by lung tissues and becomes transported into the bloodstream forming carboxy-hemoglobin (COhb). Molecular bonding of CO with heme (below, left) is 200 times the bond strength of oxygen (O₂) with heme,¹² thereby more efficiently conferring the phonon resonance vibrations of oxygen to hemoglobin molecules. By this molecular bonding mechanism, phonon resonance transmutations perpetually occurring in healthy blood circulating throughout the body are greatly enhanced, as triggered by atomic contraction during successive cooling phases.



Tighter binding of CO with sodium (Na) atoms present in blood likewise enhances reaction rates of the sodium to potassium (Na → K) phonon resonance transmutation cascade sequence:



Another coincident fact relates to Javanese Mo Pai Master John Chang –a modern adept of ancient Atlantean qi healing techniques. Chang is a habitual tobacco smoker, which likewise introduces low levels of CO into the bloodstream from smoke absorption in the lungs, thereby enhancing electrophotonic emission of his blood and skin through these same atomic nuclear reaction cascades.

Thermal hysteresis studies of photon emission (PE) from non-diluted blood confirm that biophotons are predominantly released from atomic reactions when blood temperature declines (Voeikov *et al.*, 2003),¹³ directly implicating phonon resonance matching dynamics identified between O¹⁶ and H¹ at precisely 37.8°C, as well as Ne²⁰ and Ar⁴⁰ at precisely 37.7°C:

It can be seen that blood reacts to changes in the gradient of temperature decrease... by elevation of photon emission intensity... [Conversely,] when temperature reaches 39.5°C PE intensity drops abruptly... as soon as temperature after reaching its maximum begins to decline PE from blood starts to elevate... Paradoxical changes in PE -- elevation of its intensity when temperature continued to decline though at different rate than before, or abrupt drop in PE intensity when it continued to raise –indicate that blood has some peculiar mechanism sensing temporal variations of temperature. The nature of this mechanism is currently obscure...

The hypothesis that reactive oxygen species generation by white blood cells is enhanced due to an increase in oxygen availability, ensuing the enhancement of photon emission from "normal" blood, is supported by the results of our studies of the effect of carbon monoxide upon whole blood and isolated neutrophils. We found that... CO sharply intensified photon emission in non-diluted blood... [offering] a strong indication of highly co-operative processes proceeding in blood...

Thus, blood displays many features of an active physical medium, constituents of which are permanently present in an electronically excited state. Electronic excitation of blood constituents is provided by the reactions of ROS generation permanently proceeding in it and providing energy for pumping internal "biophotonic" field of blood. Efficient migration and storage of energy in blood is provided by its peculiar [liquid crystalline] structure.

Both electronic and photonic excitation of blood can be easily achieved under the proper conditions. According to ancient Shinto traditional wisdom of Japan, beneficial effects of '*misogi*' –alternating hot/cold baths– are undertaken for bodily purification by induced temperature fluctuations of the entire body that enhance phonon resonance reactions throughout the bloodstream and skin.



Psychoacoustic whistles of the ancient Ohum civilization of the South American Andes region (above) likewise enhance the rate of phonon resonance transmutation reactions occurring in the blood and skin of the human body by inducing hyperventilation in the same manner as deep breathing prana practices employed by Vedic traditions of the yogis of India, Nepal and Tibet.

Beyond synchronizing cerebral rhythms, hyperventilation of lung tissues drastically enhances oxygen absorption rates in the lungs, thereby greatly increasing available oxygen in the bloodstream for rhythmically-induced phonon resonance transmutation cascades throughout the body. The essential concepts of the ancient Vedic practice of Kriya Yoga were explicitly tied to *the intake of extra oxygen for transmutation into life currents*, as expressed in the clear scientific language of adept practitioner Paramahansa Yogananda, in his '*Autobiography of a Yogi*' (1946):

Kriya Yoga is a simple, psychophysiological method by which the human blood is decarbonized and recharged with oxygen. The atoms of this extra oxygen are transmuted into life current to rejuvenate the brain and spinal centers. By stopping the accumulation of venous blood, the yogi is able to lessen or prevent decay of tissues; the advanced yogi transmutes his cells into pure energy. Elijah, Jesus, Kabir and other prophets were past masters in the use of *Kriya* or a similar technique, by which they caused their bodies to dematerialize at will.

Kriya is an ancient science. Lahiri Mahasaya received it from his guru, Babaji, who rediscovered and clarified the technique after it had been lost in the Dark Ages. "The *Kriya Yoga* which I am giving to the world through you in this nineteenth century," Babaji told Lahiri Mahasaya, "is a revival of the same science which Krishna gave, millenniums ago, to Arjuna, and which was later known to Patanjali, and to Christ, St. John, St. Paul, and other disciples."

Kriya Yoga is referred to by Krishna, India's greatest prophet, in a stanza of the *Bhagavad Gita*: "Offering inhaling breath into the outgoing breath, and offering the outgoing breath into the inhaling breath, the yogi neutralizes both these breaths; he thus releases the life force from the heart and brings it under his control." The interpretation is: "The yogi arrests decay in the body by an addition of life force, and arrests the mutations of growth in the body by *apan* (eliminating current). Thus neutralizing decay and growth, by quieting the heart, the yogi learns life control."

Krishna also relates that it was he, in a former incarnation, who communicated the indestructible yoga to an ancient illuminato, Vivasvat, who gave it to Manu, the great legislator. He, in turn, instructed Ikshwaku, the father of India's solar warrior dynasty. Passing thus from one to another, the royal yoga was guarded by the rishis until the coming of the materialistic ages. Then, due to priestly secrecy and man's indifference, the sacred knowledge gradually became inaccessible.

Kriya Yoga is mentioned twice by the ancient sage Patanjali, foremost exponent of yoga, who wrote: "*Kriya Yoga* consists of body discipline, mental control, and meditating on *Aum*." Patanjali speaks of God as the actual Cosmic Sound of *Aum* heard in meditation. *Aum* is the Creative Word, the sound of the Vibratory Motor. Even the yoga-beginner soon inwardly hears the wondrous sound of *Aum*. Receiving this blissful spiritual encouragement, the devotee becomes assured that he is in... touch with divine realms.¹⁴

Piezoelectric temple sites throughout the world are precisely aligned with focal nodes of infrasound standing waves,¹⁵ generally referred to as Schumann Resonance, where the cosmic *Aum* is most clearly perceived. Yogananda recounted how Master Sri Yukteswar gave him an experience of the samadhi state of cosmic consciousness by striking a vital marma point on the upper sternum:

Sri Yukteswar... struck me gently on my chest above the heart. My body became immovably rooted; breath was drawn out of my lungs as if by some huge magnet. Soul and mind instantly lost their physical bondage, and streamed out like a fluid piercing light from my every pore. The flesh was as though dead, yet in my intense awareness I knew that never before had I been fully alive. My sense of identity was no longer narrowly confined to a body, but embraced the circumambient atoms. People on distant streets seemed to be moving gently over my own remote periphery. The roots of plants and trees appeared through a dim transparency of the soil; I discerned the inward flow of their sap.

The whole vicinity lay bare before me. My ordinary frontal vision was now changed to a vast spherical sight, simultaneously all-perceptive. Through the back of my head I saw men strolling far down Rai Ghat Road, and noticed also a white cow who was leisurely approaching. When she reached the space in front of the open ashram gate, I observed her with my two physical eyes. As she passed by, behind the brick wall, I saw her clearly still. All objects within my panoramic gaze trembled and vibrated like quick motion pictures. My body, Master's, the pillared courtyard, the furniture and floor, the trees and sunshine, occasionally became violently agitated, until all melted into a luminescent sea; even as sugar crystals, thrown into a glass of water, dissolve after being shaken. The unifying light alternated with materializations of form, the metamorphoses revealing the law of cause and effect in creation.

An oceanic joy broke upon calm endless shores of my soul. The Spirit of God, I realized, is exhaustless Bliss; His body is countless tissues of light. A swelling glory within me began to envelop towns, continents, the earth, solar and stellar systems, tenuous nebulae, and floating universes. The entire cosmos, gently luminous, like a city seen afar at night, glimmered within the infinitude of my being. The sharply etched global outlines faded somewhat at the farthest edges; there I could see a mellow radiance, ever-undiminished. It was indescribably subtle; the planetary pictures were formed of a grosser light.

The divine dispersion of rays poured from an Eternal Source, blazing into galaxies, transfigured with ineffable auras. Again and again I saw the creative beams condense into constellations, then resolve into sheets of transparent flame. By rhythmic reversion, sextillion worlds passed into diaphanous luster; fire became firmament. I cognized the center of the empyrean as a point of intuitive perception in my heart. Irradiating splendor issued from my nucleus to every part of the universal structure. Blissful *amrita*, the nectar of immortality, pulsed through me with a quicksilverlike fluidity. The creative voice of God I heard resounding as *Aum*, the vibration of the Cosmic Motor.

Suddenly the breath returned to my lungs. With a disappointment almost unbearable, I realized that my infinite immensity was lost. Once more I was limited to the humiliating cage of a body, not easily accommodative to the Spirit. Like a prodigal child, I had run away from my macrocosmic home and imprisoned myself in a narrow microcosm.¹⁶

Yogananda's sudden and intense experience of the samadhi state of universal consciousness was illicitly induced by Master Sri Yukteswar through his adept application of acupuncture point stimulation, releasing adequate bioelectrical qi charge accumulation within Yogananda's body. While such astounding demonstrations of ancient Vedic knowledge appear unattainable to western practitioners of meditation and 'anuki' (meaning "energy retention"), *proper temple facilities are key requirements.*



Many remarkable Paleo-Sanskrit relics, produced during the extended time period from ~30,000 to 13,000 years ago, reveal profoundly advanced Atlantean applications of resonant electrophotonic induction technologies for enhancing nuclear reactions in the human body under electromagnetic conditions amplified by aligned pyramid chambers composed of pyromagnetic geopolymer stones.

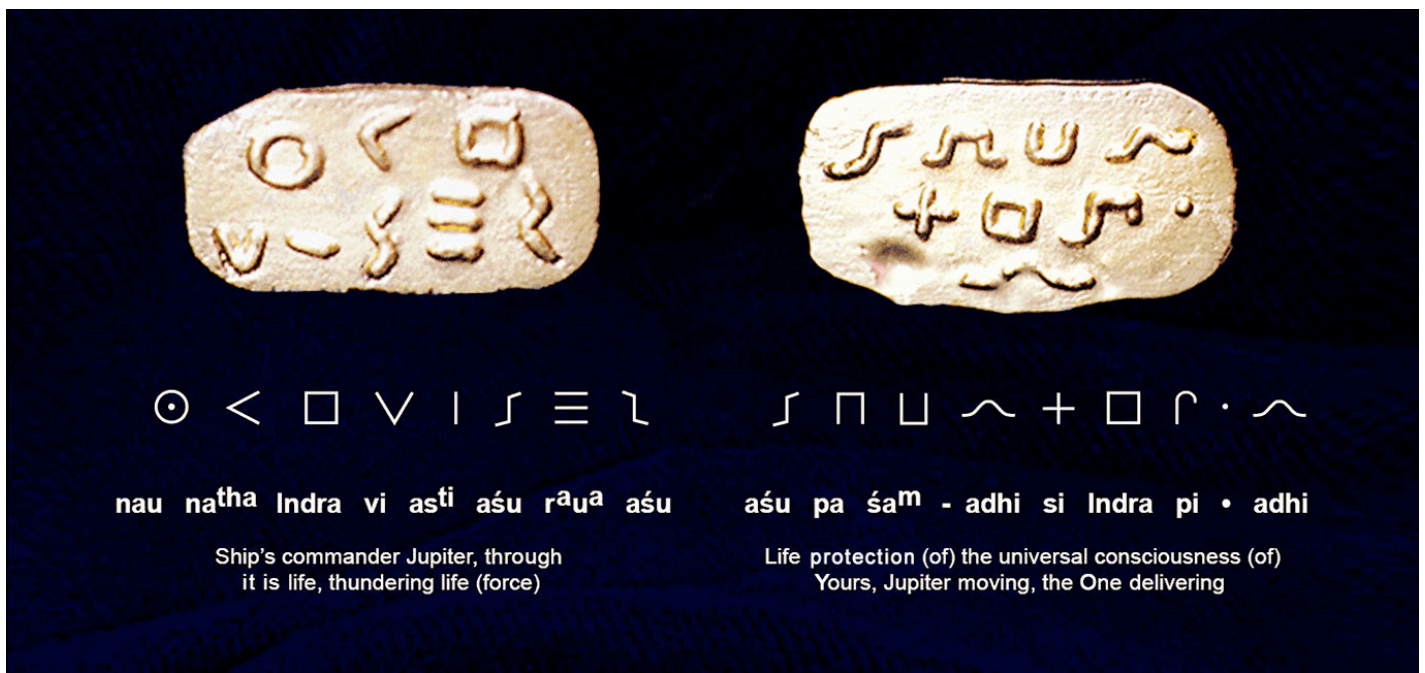
A large cache consisting of numerous ancient Atlantean statues and artifacts, discovered by Russell Burrows in the mid-1980s in a hidden resonant cave site near the present-day town of luka, Illinois, were exquisitely engraved with Paleo-Sanskrit hieroglyphs.¹⁷

Among these cast metal, cast geopolymer limestone and shale-hewn masterpieces was a small tablet depicting a face, framed by a square temple entryway with a Paleo-Sanskrit subtext, reading: **raua kar ra upama • ma mi-is • plava vi-sa ya las**, which translates as "Roaring works, granting (of) the highest One, being synchrony (of) the One inundating... Now enter, begin shining!" (above). *This is an unmistakable reference to the electrophotonic activation process of phonon resonance reaction cascades induced upon entering piezoelectric temples of the sophisticated Atlantean civilization.*

Present-day quantum biology research has made adequate progress to succinctly explain these complex Atlantean hieroglyphic tablet texts in accurate scientific terms. The most effective method for identifying acupuncture meridians, using trypan blue as a meridian-specific dye,¹⁸ was first employed for this purpose by Bonghan Kim in his original breakthrough 1964 discovery. More recent studies have successfully reapplied Kim's methodology, confirming the 'Bonghan Duct[s] and Acupuncture Meridian[s] as Optical Channel[s] of Biophoton[s]' (Soh, 2004).¹⁹

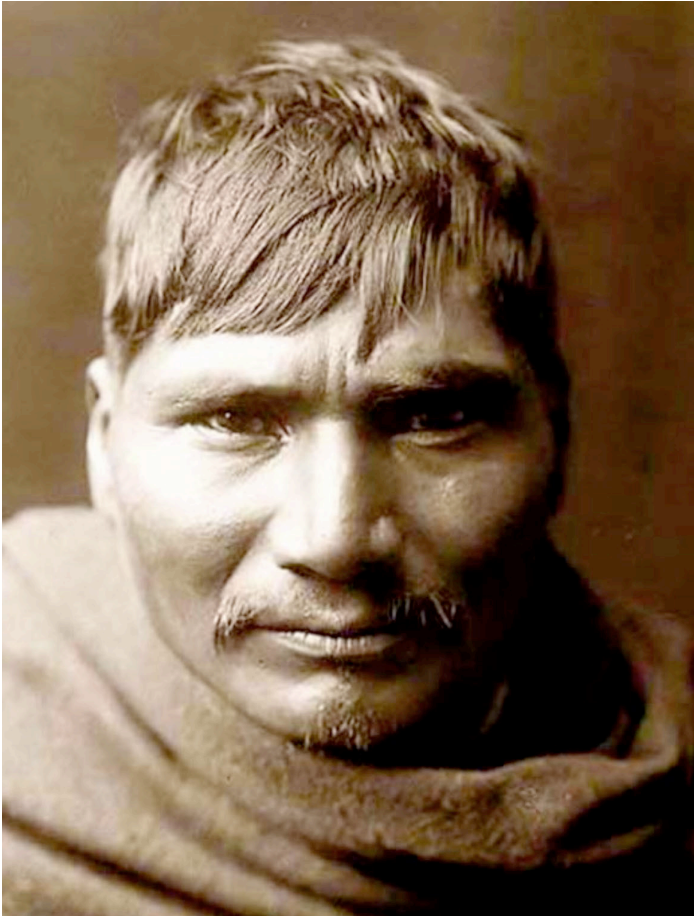
Further contemporary advances have revealed 'UV-A Induced Activation of Bonghan Granules in Motion' (Sung *et al.*, 2005),²⁰ and under enhanced magnetic field conditions (Lee *et al.*, 2013)²¹ such as those generated by HHO plasma glowing within Atlantean pyramid chambers. Physiological tissue and organ regeneration is now recognized in the 'Bonghan System as Mesenchymal Stem Cell Niches and Pathways of Macrophages in Adipose Tissues' (Lee *et al.*, 2009).²²

The efficacy of ancient Atlantean healing practices have also been revealed by 'Bioluminescence Imaging of Heme Oxygenase-1 Upregulation in the Gua Sha Procedure' (Kwon *et al.*, 2009),²³ as well as thermal 'Images in the Effect of Gua Sha Treatment on the Microcirculation of Surface Tissue'.²⁴ While modern electrical healing and analysis equipment require power generation from fossil fuel sources, the ancient Atlantean pyramid network operated on resonant induction principles that focused abundantly available planetary energy sources –*the rumbling infrasound of Jupiter*:



A small gold plate from the Illinois cave archive was cast with hieroglyphic relief texts extolling the resonance-based pyramid rejuvenation technologies, reading: **nau natha Indra vi asti asu raua asu** , meaning "Ship's commander Jupiter, through it is life, thundering life (force)" (above, left). Another small gold plate explicitly praises the protective vitality of the samadhi state of universal consciousness, reading: **asu pa sam-adhi si Indra pi • adhi** , meaning "Life protection (of) the universal consciousness (of) Yours, Jupiter moving, the One delivering" (above, right).

As comprehensively elucidated herein, '*enlightenment*' is directly conferred by the highly advanced psychoacoustic and biophotonic induction effects of Atlantean and Ohum pyramids and whistling vessels, and duplicated (to a lesser extent) by cannabis smoking in our dissonant modern era for lack of knowledge and access to functional ancient pyramid technologies. Psychoacoustic focusing of global infrasound waves or enhancement of human consciousness was expertly explained to apprentice Carlos Castaneda in painstaking detail by indigenous Yaqui Elder Don Juan, in the vast desolation of the Sonora Desert of Northern Mexico:



"Seers say that there are three types of attention... they are rather three levels of attainment. They are the first, second, and third attention, each of them an independent domain, complete in itself." He explained that the first attention in man is the animal awareness... everything that one can think about is part of the first attention...

Don Juan explained that in order for our first attention to bring into focus the world that we perceive, it has to emphasize certain emanations selected from the narrow band of emanations where man's awareness is located. The discarded emanations are still within our reach but remain dormant, unknown to us for the duration of our lives.

The new seers call the emphasized emanations the right side, normal awareness, the tonal, this world, the known, the first attention. The average man calls it reality, rationality, common sense.

The emphasized emanations compose a large portion of man's band of awareness, but a very small piece of the total spectrum of emanations present inside the cocoon of man. The disregarded emanations within man's band are thought of as a sort of preamble to the unknown, the unknown proper consisting of the bulk of emanations which are not part of the human band and which are never emphasized. Seers call them the left-side awareness, the nagual, the other world, the unknown, the second attention...

"[To be able]... to utilize those unused emanations, one needs uncommon, elaborate tactics that require supreme discipline and concentration... the art of *dreaming*... the concentration needed to be aware that one is having a dream is the forerunner of the second attention. That concentration is a form of consciousness that is not in the same category as the consciousness needed to deal with the daily world."

"The new seers... let the mastery of awareness develop to its natural end, which is to extend the glow of awareness beyond the bounds of the luminous cocoon in one single stroke. The third attention is attained when the glow of awareness turns into the fire from within: a glow that kindles not one band at a time but all the... emanations inside man's cocoon."

Don Juan expressed his awe for the new seers' deliberate effort to attain the third attention while they are alive and conscious of their individuality... "The supreme accomplishment of human beings," he said, "is to attain that level of attention while retaining the life-force, without becoming a disembodied awareness moving like a flicker of light..."

[He then explained that]...the glow produced by a state of total awareness... is *seen* as a burst of incandescence in the entire luminous egg. It is an explosion of light of such a magnitude that the boundaries of the shell are diffused and the inside emanations extend themselves beyond anything imaginable.

"Are those special cases, don Juan?"

"Certainly. They happen only to seers. No other living men or any other living creatures brighten up like that. Seers who deliberately attain total awareness are a sight to behold. That is the moment when they burn from within. The fire from within consumes them. And in full awareness they fuse themselves to the emanations at large, and glide into eternity."

"[As seers] our case is a bit different, because we are at the end of our trail. We are not seeking anything... we go from day to day doing nothing. We are waiting. I will not tire of repeating this: we know that we are waiting and we know what we are waiting for. We are waiting for freedom!"²⁵

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