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# Night Time Pulses of Ground Energy Associated with a Celestial Source; A Comparison of Observations from Locations in Italy and Canada

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NIGHT TIME PULSES OF GROUND ENERGY ASSOCIATED WITH A CELESTIAL SOURCE: A COMPARISON OF OBSERVATIONS FROM LOCATIONS IN ITALY AND CANADA

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# Night Time Pulses of Ground Energy Associated with a Celestial Source; A Comparison of Observations from Locations in Italy and Canada

John F. Caddy <sup>α</sup> & Robert W. Elner <sup>σ</sup>

**Abstract-** A phenomenon emanating from surface and ground water before dawn was investigated in Italy and Canada. During this phenomenon, rooms adjacent to water sources were filled with pulsed clouds of green particles which were identified as ground energy by persons sensitive to qi phenomena. Individual pulses lasted approximately 30 minutes and were repeated several times nightly. Their relative timing appeared to be part of a 24-hr cycle of sky and ground energies which was consistent between nights, and particularly strong in spring and early summer. We hypothesize that sky energy impacts Earth as radiation from the centre of the Milky Way, and is either converted into ground energy, or displaces ground energy from sub-surface geoflora above the surface of the ground. One strong nightly pulse of tinnitus was provisionally identified with a cosmic source, due to its occurrence 4 minutes earlier on successive nights.

## I. INTRODUCTION

Many powerful taboos circumscribe where scientists can legitimately direct their attention. The difficulty of publishing on new issues with subjective elements is why progress in 'paranormal' studies has been slow. Although the following study does not meet the criteria of 'objective science', we propose hypotheses to describe real phenomena. We believe that in the past these phenomena were important for practical and religious reasons, and formed a component of traditional knowledge over millenia, that should not be ignored by Science. Because of their cultural significance, we encourage further testing by those capable of doing so.

Carl Woese (Anon 2013a) summarized our point of view as follows: "In my opinion, there exists a prima facie case that many of the phenomena associated with that special energy the Chinese call Qi are real. They are deeply interesting and, therefore, they invite, indeed require, investigation by Western science". We concur with this, and are convinced that some traditional beliefs of 'primitive' peoples reflect realities that only those

sensitive to qi phenomena can experience. Excluding reports on such investigations, even when the role of working hypotheses is emphasized, is not in the long term interest of Science. Our study suggests that there is a direct influence of the Black Hole at the centre of our galaxy, the Milky Way, on us and our world. This intensive source of various kinds of radiation has been confirmed by Astronomers, but reports on human sensitivity to cosmic qi, prana or orgone (commonly-used names for this phenomenon) with minimal equipment, are given here. We describe first (and most importantly) a phenomenon that both authors encountered, namely, upsurges of ground energy in two different parts of the world, and investigated the timing of these upsurges. We suggest a novel mechanism that concurs with some astronomical observations, and with several traditional views of cosmic energy.

### a) *The Events*

Both authors have particular sensibilities. The first author developed these by 15 years of attention to acquiring non-ordinary perceptions of qi or prana phenomena (see Caddy 2006). The second author's sensibilities are particularly acute after expeditions into the Amazon rainforest over the last 20 years. Some of his early experiences correspond to traditional beliefs of indigenous peoples, and could assist in interpreting the phenomena shared by both authors in this essay.

The main phenomenon encountered in April 2012 on different continents occurred just before dawn in each respective time zone. Both of their bedrooms were filled with a cloud of green particles emerging from the floor or a green mist coating the furniture, identified in both cases, as manifestations of ground energy. These incursions each lasted about half an hour before slowly subsiding. The first author confirmed that this was not a mental aberration by placing his Egely wheel (Egely 1994) on a table where it registered a low-moderate level of qi energy at the time of the inflows.

The first author described how on occasions in April 2012, specific imagery was seen among the turbulent flow of particles emerging from the tiled floor. This suggested a biological and/or mineral connection, as illustrated later in Fig 9. This was accompanied by a

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prickling sensation on the face, and a rise in the tinnitus pitch when encountering high levels of qi. The observations of the second author at a similar local time mirrored those of the first, although, as noted, the green cloud was seen as a green mist covering surfaces in the bedroom.

The first author's bedroom is on the ground floor of a house south of Rome, Italy, in a narrow valley outside Ardea in Latina. It sits near the bottom of a steep decline ending in a shallow stream, before the land rises steeply to another hill (Fig 1). The local water table is 30-40 meters below the house. The second Italian location

is approximately 100 km distant, outside Tolfa, again in a ground floor bedroom on a hillside, 500m above sea level. Here there is a slow slumping of material due to downhill water runoff in the winter months. The second author's bedroom is on the first floor of a house in Vancouver, British Columbia, Canada, with a large pond system in the garden. Interestingly, the observations and their timing relative to the local 24hr cycle were consistent between locations, suggesting a phenomenon of global occurrence below the earth's surface.

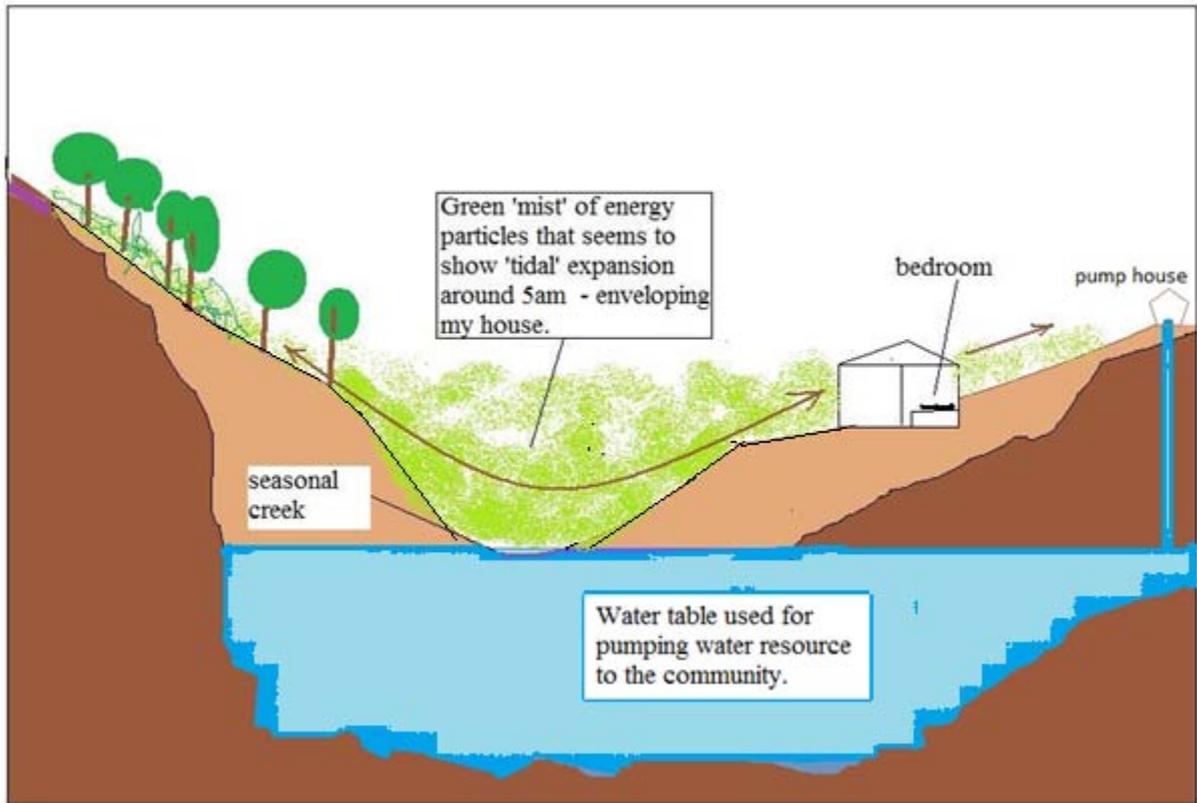


Fig 1 : Position of the first author's house near Ardea, Italy, and an impression of the stratigraphy underlying the April 2012 observations of 'green clouds'

## II. METHODS

The first author learned a technique of dowsing vital energy from a master dowser, Mauro Aresu, (Aresu 1995) in Sardinia, and found this useful for estimating the qi energy of a variety of phenomena (described in Caddy 2011). The dowsing fork is rotated between the hands after asking the subconscious to provide a score for the phenomenon in question. The number of rotations achieved before the wand is blocked by the subconscious, represents the intensity of the phenomenon investigated. While standing in the same position in the open, the questions asked were: 'What intensity of sky energy is falling here? – and after this reading was taken, asking: 'What intensity of ground energy is emerging here?' While doing so, he was aware

of a faint vertical striation of the air which is described on p. 174 of 'A Return to Subjectivity': "As night fell, swirling banks of energy rose from the forest floor and dispersed at 2-3 metres off the ground, fed by upward spurts of sparks from the damp mossy soil".

### a) A time series of readings of chi energy

Readings were taken at different times in a 24-hr cycle over the period 11-29 April 2012 outside the first author's house in Ardea. The readings taken at different times of day on different days were assembled later on a 24-hr time scale, since it would have been physiologically stressful to record data every hour over a single 24-hr cycle. The resulting data points are given in thousands of Bovis Units (BU), the standard dowsing scale (Bovis scale 2013), where 7-8 rotations (7-8000

BU's) of the wand imply a normal (unemotional) level of energy, while readings above or below 7-8000 BU's imply, respectively, an exciting or depressing impact.

Figures 2 + 3 show that average-high ground energy scores are associated with low sky energy during the hours of darkness, while scores of sky energy peak rapidly at dawn and decline slowly through the afternoon and early evening (dusk), with a smaller peak in the afternoon. Although the trend line did not vary radically from 7,000-8,000 Bovis Units, low scores of sky energy were recorded at night, and very low scores in predawn hours. The 04.30-05.00 am pre-dawn peak of

ground energy coincided with one of the 'events' described earlier, the emergence of ground energy from the floor of the author's bedroom. At dawn the sky energy level shot rapidly upwards as ground energy levels collapsed. (It is worth noting that the high sky energy readings at dawn confirm that it is not 'light' being measured; this peaks at mid-day.) An auditory 'champagne bubble' effect was typical of high sky energies, while the very high level of ground energy observed (40 BU) was registered by a less pleasant lower tinnitus sound.

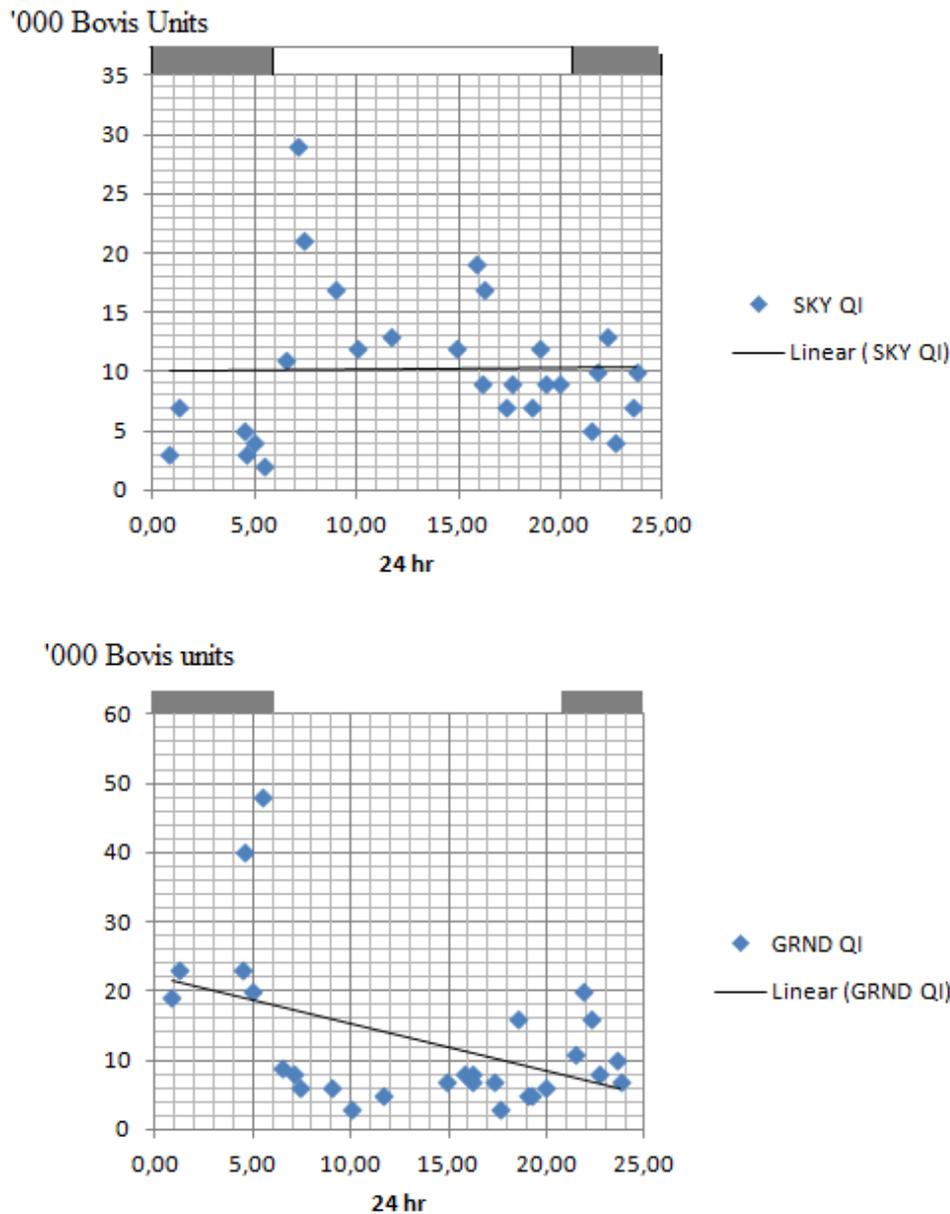


Fig 2. : A) and B) Scores of ground (above) and sky energy (below) – in thousands of Bovis Units outside the house in Ardea, Latina of the first author in April 2012 (darkness hours shaded)

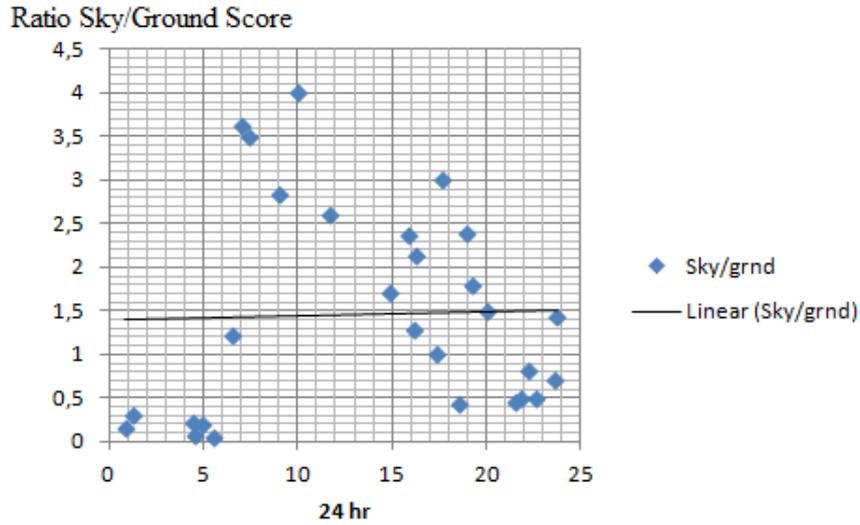


Fig 3 : Ratio of scores of sky/ground energy readings over a 24-hour cycle at Ardea during April 2012

b) Timing the arrival of energy pulses

Other events might lead to pulses of ground energy. Subsurface soil bacteria and the root systems of plants are sensitive to ground vibrations, such as those caused by a series of earthquakes described near Modena, Italy in April-May (CSEM/EMSC 2013). Such seismic events might have been responsible for initiating the pulses of ground energy experienced. The data available are first discussed in light of this hypothesis.

The arrival of a ground energy pulse while the first author was sleeping, was detected by a strong tinnitus ringing in his ears that awakened him. He then became visually aware of a ground energy outflow from below the floor of the dimly lit bedroom and noted down the time. Several pulses lasting 20 min to half an hour

before weakening slowly, were detected nightly. Although no specific note was made of the duration of each pulse, these seemed stronger and more frequent in April-May when vegetative growth was underway, than in June-July when high temperatures and an absence of rainfall prevailed, and weakest in hot, dry August. The number of pulses detected during the post-midnight hours (after he went to bed) varied from 1 to 5 (Fig 4), but there may have been pulses before midnight and after 7 am that were not investigated. The earlier pulses recorded are judged less reliable, since they depend on the variable time the author remained awake. Other evidence obtained by dowsing (Fig 2), suggests that ground energy mainly rises above ground in the hours of darkness.

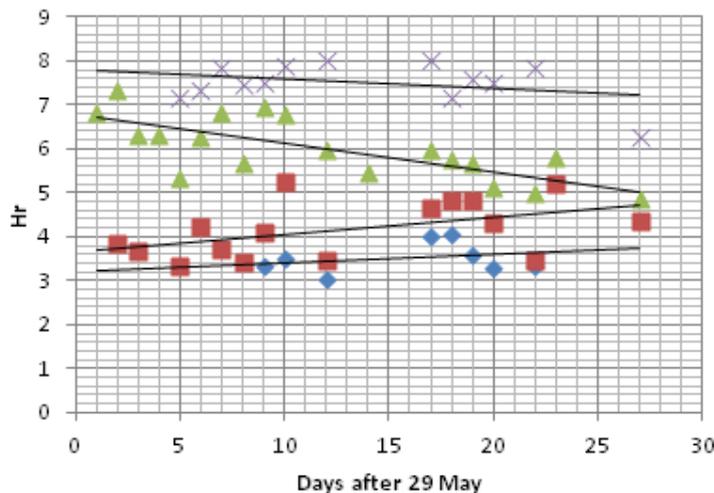


Fig 4. : Times of occurrence of tinnitus episodes (hours after midnight) in the bedroom of the first author in Ardea, Italy May-June 2012. The four regression lines suggest that the causative agent is closely scheduled, and repeats nightly at approximately the same times. However, the slopes of the upper two linear regressions average close to -0.04, a criterion suggesting a causative connection with some cosmic phenomenon

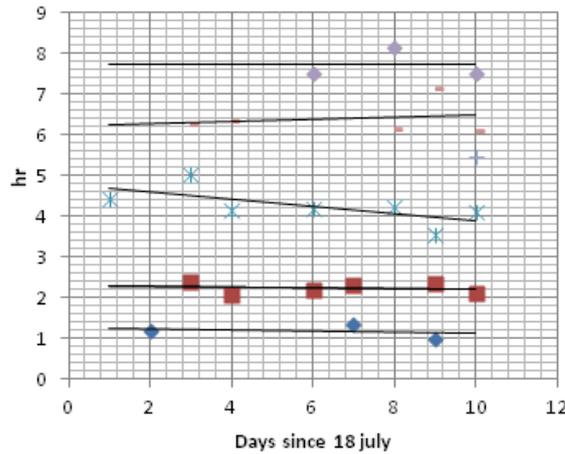


Fig 5. : Times of occurrence of personal tinnitus episodes in the bedroom of the first author in Tolfa, Italy, over the 10 day period from 18 July. From the bottom up, the lines represent distinct episodes occurring at close to constant times throughout the night from midnight (0 hr) onwards. (The third line from the top, as for the upper 2 lines in Fig 4, is a 'cosmic' series with a slope of  $-5.25$  min/day, not far from the criterion of  $-0.04$  mentioned in the caption of Fig 4)

One hypothesis is that the sequence of successive observations during the night shown by each regression line in Figs 4-5, represents a separate 'event', scheduled separately in time. The timing of each series is largely constant on successive nights, making data from individual pulses readily identifiable. As noted, the first hypothesis considered was that the pulses reflect underground movements of tectonic plates in Northern Italy where extensive earthquakes occurred in

April 2012. The phased timing might reflect the travel times of signals from distant quakes through different ground strata. However, examining the timing of quakes in the official record showed no dominant hour of occurrence. Also, there was no obvious correlation between the hours when quakes were experienced near Emilia (effectively these occurred throughout 24 hrs), and the time of occurrence of ground energy pulses, even allowing for travel time from Emilia (Fig 6).

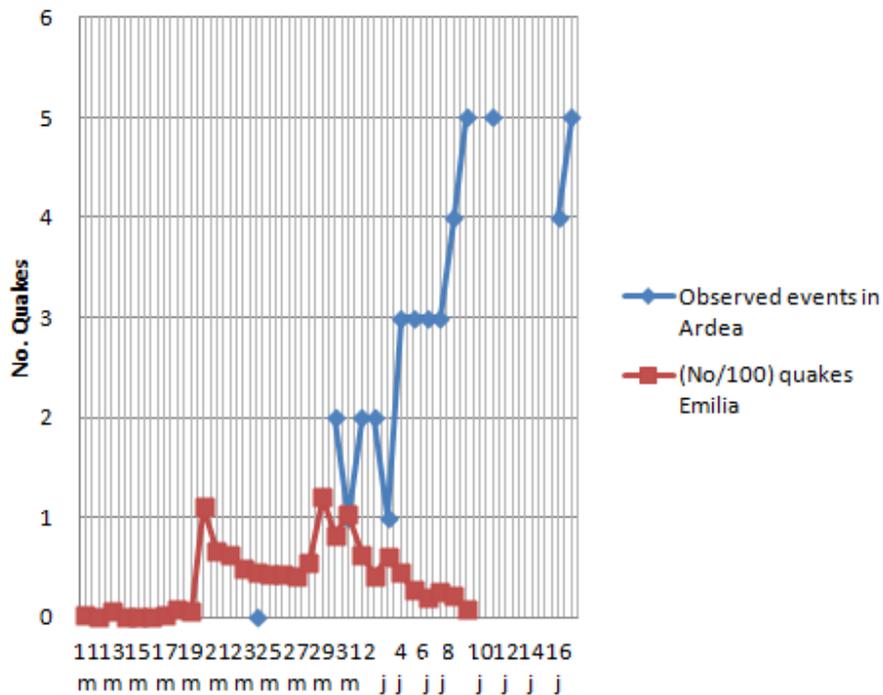


Fig 6. : Number and dates of quakes registered in Northern Italy (CSEM/EMSC 2013) and numbers of personal observations per night of ground energy pulses in Ardea, Italy

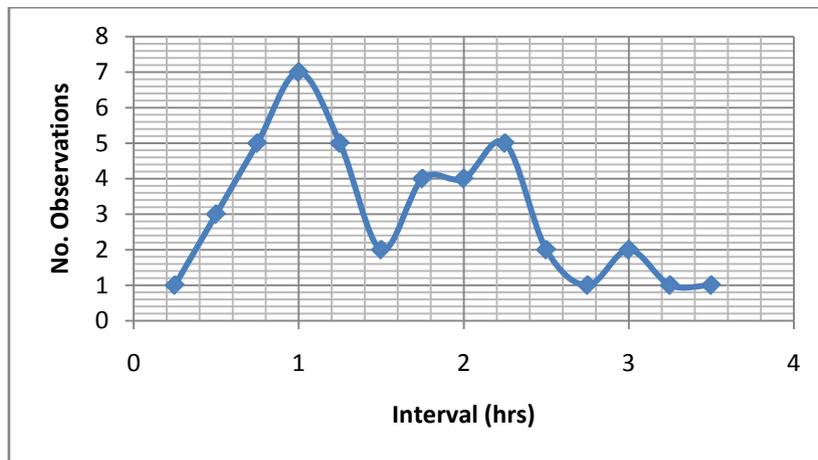
A graph of the number of quakes registered by experts in Emilia (up to 100+/day-) suggested that my observations were not caused by tectonic movements. Although a sensitivity to earth movements in ground energy production is not excluded, the quakes (mostly less than 4 on the Richter scale) are unlikely to be detectable given the hundreds of kilometers of our observation point from Emilia. Shown below, is an estimate of possible travel times between Emilia and Ardea, using statistics for velocity of seismic waves given in Wikipedia. These suggest rejecting this hypothesis.

**Table 1 :** Published velocities of seismic waves (from Wikipedia), and their presumed travel time between Emilia and Ardea

Documented speeds		Elapsed time (hr)
m/sec	Km/hr	
2	7,2	53,9
8	28,8	13,5

The distance of the main quake center in N. Italy from Ardea is approximately 390 km. At a travel speed of 2-8 m/sec, (quoted from Wikipedia for underground shock waves), this would make the total travel time of the order of 13-54 hrs – i.e., up to 2 days. The peak in number of shocks identified by Italian authorities (a maximum of 120 shocks occurred on the 29 May), occurred approximately 2 weeks before the peak number of ground energy pulses were registered as tinnitus episodes in Ardea, rather than just 1-2 days. This estimated travel time seems too slow for these seismic events to be the source. (In fact, the repetition of night time tinnitus episodes in 2014 in the absence of strong seismic events confirms the validity of this rejection).

It seems important to establish why individual sequences of pulses arrived at more or less the same time on successive days (Fig 7). Why the time of arrival of 'secondary pulses' increased at a seemingly constant rate for some sequences of observations, and decreased for the main pulse of energy we began to call 'cosmic', remains in part a mystery.



**Fig 7. :** Histogram of time intervals between sequential series of energy pulses

c) *A cosmic or a terrestrial source?*

The upper series of observations shown in Figs 4 and 5 were the most powerful pulses, and were continuously delayed over time. Their slopes were equivalent to a critical event occurring approximately 4 minutes earlier/day (Fig. 4) at Ardea, and fairly close to this in Fig 5 for observations at Tolfa, Latina. The other lines showed either a slight progressive delay in timing, or a constant timing of onset of the tinnitus episodes.

Relevant here is recent evidence supporting the view that there is a biomass of bacteria below the earth's surface down to 2 km that is at least equal to the biomass of plants and animals on the Earth's surface (Anon 2013b). Fierer et al. (2009) contend that: '50% of animal biomass is also found below ground'. The three locations where observations were made have ground or surface water present, supporting an abundance of

microfauna and flora and the roots of macroflora. One reasonable assumption could be that subterranean bacteria use qi for distant messages, since relying on chemical messengers alone may not be ineffective if bacteria are dispersed through a rocky medium. A quote from Anon (2011) is that: "There is a greater concentration of prana just above the ground than in the air. The density of prana just above the ground is about four or five times greater than the prana contained in the air". Heavy ground energy, which is what we provisionally identify the signals to consist of, is presumed to be associated with living organisms, possibly living below ground (e.g., Fierer et al. 2009). One hypothesis we considered was that the sudden compression caused by earthquakes would affect organisms such as geobacteria, plant roots or microfauna adversely, suggesting that they may have

been induced to send out a pulse of qi. On the other hand, the hypothesis of a transmission of qi energy over hundreds of kilometers from Emilia from mainly weak earthquakes, picked up locally by below-ground organisms which in turn exude qi energy, seems improbable. This led us to discount seismic phenomena as the cause for individual qi pulses. Further evidence that seismic events were not immediately responsible for the pulses was the fact that they persisted months and years after seismic activity in Emilia had effectively concluded.

d) *An astronomical coincidence?*

Qi energy has been observed by 'sensitives' to be associated with both life forms and certain mineral strata. On this occasion the observation of qi emerging from the Earth's surface suggested that if an astronomical effect is occurring, the observed phenomenon must be secondary to a primary source of radiation. This is hypothesized to be sky energy falling on the dark side of the planet from the galactic centre (Fig 8).

Referring to ground energy, a phenomenon registered by 2 independent observers at different global locations, at roughly the same local time of day, invokes the possibility of a diurnal or astronomical causality. A biological consequence of an astronomical phenomenon was hypothesized as a possible causal function for the timing of the 'cosmic' energy pulse.

e) *Galactic radiation*

Cosmic rays and gamma radiation from the galactic centre are understood as a potential threat to life on Earth but we are protected by the magnetosphere. The centre of the Milky Way is the key source of this high-energy radiation. What other radiation may accompany this electromagnetic and particle bombardment is a more open question. Considering that some of the billions of planets in the galaxy must contain life forms, it is not improbable that a radiation of subtle sky energy or prana is also arriving on our planet. That this comes from space is an ancient Tibetan and Incan belief, and the Mayan civilization considered the Milky Way as a centre for the life force. Considering the Milky Way as a possible source of this radiation, we learned of a discovery by Spottiswoode (1997) that cosmic sources of radiation affect human Extra-Sensory Perception (ESP). Together with the similar cosmic timing of a source of global radio interference discovered earlier, this effect is repeated every 23 hours and 56 minutes, and the time scale is now referred to as LST (Local Sidereal Time): the time kept by celestial bodies. The LST cycle was used to explain Spottiswoode's analysis of when Extra-Sensory Perception (ESP) practitioners are "more" or "less" accurate in their ESP ability. Peak ESP efficiency occurred when the centre of the Milky Way was on the horizon, rather than directly overhead. This suggests

that a form of radiation interfering with paranormal mental processes originates at the Galactic centre, hence is strongest when the centre of the galaxy is overhead. It is our hypothesis that sky energy from the galaxy induces the pulses of ground energy we have been sensing. The time of emergence of ground energy on our nighttime surface of the planet peaked before dawn on April 11-25<sup>th</sup> 2012, and we assumed that a peak in sky qi energy from the Milky Way impinging on the nighttime side of the planet was responsible.

In consequence, we hypothesize that light sky energy impacting the Earth has either been converted to heavy qi energy below the earth's surface, or has displaced below-ground heavy energy to above the planetary surface. According to this hypothesis, a nighttime 'tail' of heavy energy is extruded on the night side of the planet either as a consequence of radiation from the Milky Way or other cosmic sources (Fig 8).

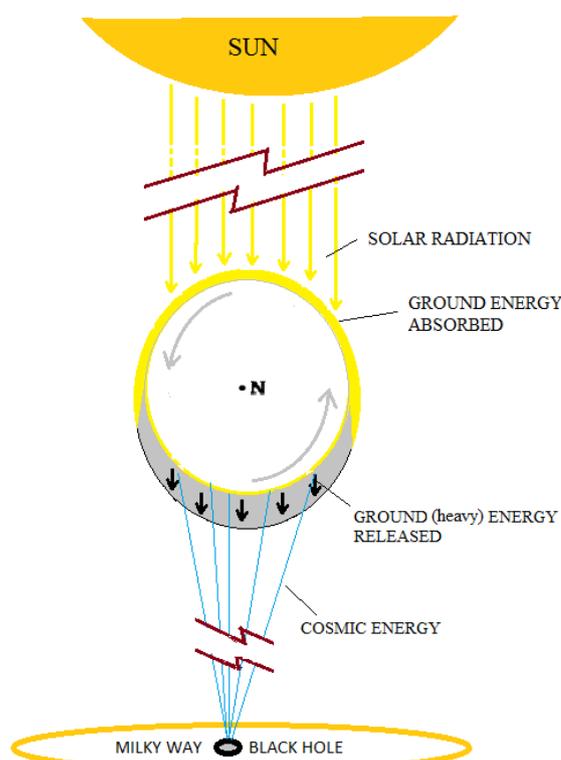


Fig 8. : A polar view of the Earth, hypothesizing successive sky and ground energy domination at any point on the planetary surface caused by an external radiant source of sky energy; the centre of the Milky Way. This is postulated to impact the rotating planet, and make dynamic changes to the distribution of sky and ground energy. (Zig-zag lines indicate solar and galactic distances)

f) *Some tentative conclusions*

'Real life' experiences leading up to this text demanded answers and explanations which were not found in the scientific literature. However incomplete the

data sources, we used them together with original hypotheses in arriving at a tentative explanation for our nighttime 'green energy' experiences. These we concluded result from the incidence of sky energy originating from the centre of the Milky Way; though what form this energy comes in is left unresolved. On one occasion, in April, a vision of the clouds of qi energy emerging from the ground was mixed with what appeared to be images of crystals, small arthropods, and tufted mosses (see first illustration in Fig. 9), and

there were even olfactory hallucinations experienced by the second author at the time of energy emergence. On other occasions, the energy emerged from the tiled floor in columns, consisting of what seemed to be 'bubbles' of particles (2<sup>nd</sup> of Fig. 9). On the night of April 13, a particularly powerful energy inflow continued longer than previously, and the last image in Fig. 9 was recorded. The previous three days had been humid, and the impression at the time was that the vegetation in the garden was experiencing a rapid growth spurt.

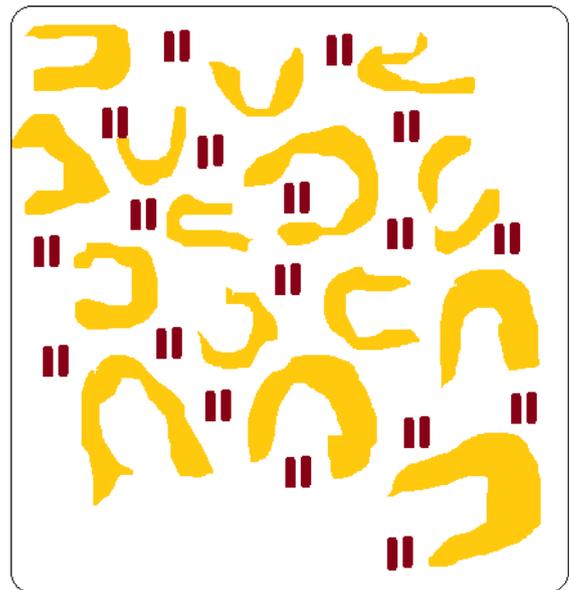
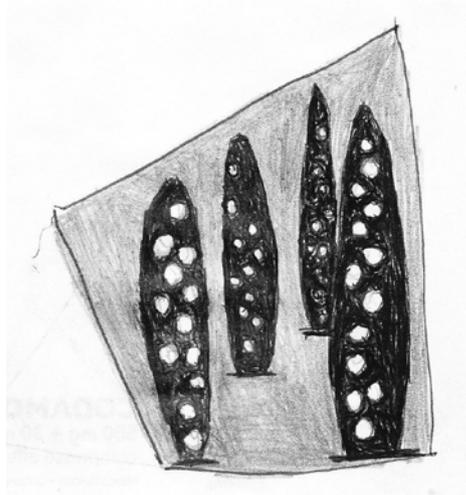
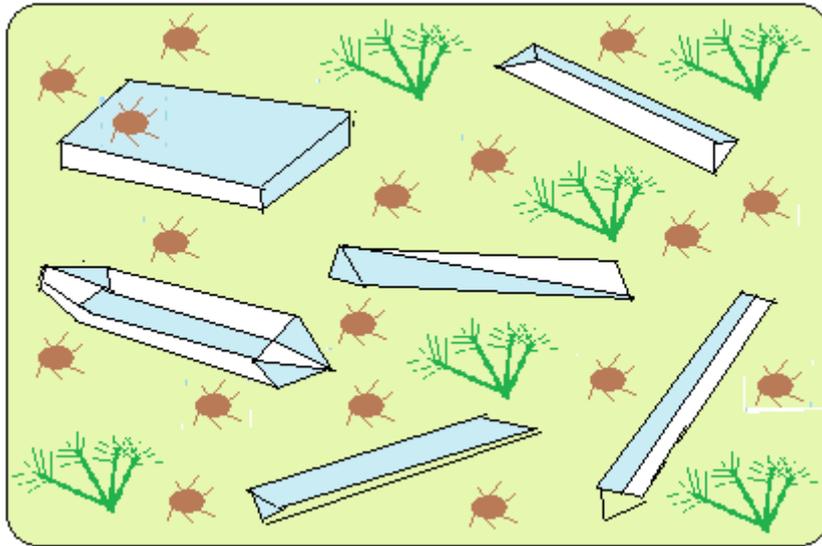


Fig. 9. : Three personalized images sketched by the senior author, as experienced during the 'green cloud' phenomenon described in the text

### III. DISCUSSION

Some ancient belief systems appear relevant to an interpretation of our findings. According to ancient

Chinese beliefs, qi is the energy or natural force that fills the Universe, and occurs in three forms and places; heaven, earth and humans. This opinion, especially when expressed by wise persons in the pre-scientific era

was undoubtedly influenced by their greater capacity to sense vital energy, uninhibited by the materialism that now underlies western 'objective' observations. Hence, the method and the phenomena detected, as described in this paper, are believed to recreate procedures used by our ancestors much earlier in time. They raise important questions about physical and spiritual reality which appear to be supported by traditional beliefs, and opinions of modern persons with psi sensibilities. These range from the 'sky qi' of ancient Chinese, Incan and Indian sages, to the dark energy and dark matter of current astronomical theory, with at least the possibility that the ancient and modern conceptions refer to the same thing. In fact, an analogy was proposed by Das (2013) between the 'primordial' energy (e.g. Prana, chi or qi) visualized by many ancient cultures, and the 'dark energy' considered the solution to the 'missing mass' problem of the Universe, which according to astronomers, accounts for more than 90% of the mass present.

In relation to our observations, we outline here some ancient beliefs on the two categories of pranic energy we mention, for example, that 'light' or sky energy emanates from the sky and is considered spiritually uplifting. Ground energy is sky energy which has been modified by contact with biological or emotional phenomena. It is associated with the earth's surface and subsurface, and the plants and animals encountered there, and in some traditions is also a product of strong emotions. For our species, qi energy is encountered where subsurface strata are interrupted (e.g. from wells), at ceremonial locations, or in human habitations, ancient and modern. Implicit in all this, and factual in our opinion, is the associated sensation that there is an 'aura' of vital energy lying around and under the earth's surface that some associate with the Earth Goddess Gaia.

Numerous ideas based on traditional beliefs in earlier societies support the suppositions presented here. In the Incan tradition, light energy (or 'sumi') is a refined form of qi that rains down from outer space...heavy energy (or Incan 'huchi') is 'sticky', and held close to the ground by a force analogous to gravity. This suggests an analogy between 'heavy' or ground qi, which is associated with physical objects or persons, while light or sky qi is presumed to be of galactic origin. After contact with the earth's surface, light energy may be converted to heavy or ground energy: a phenomenon known to Tibetan and Incan sages. (See Chakana 2011 for a discussion of the energy traditions of mountainous regions). 'Heavy energy' is accumulated on and below the surface of the earth, and also stores emotional events and conceptual structures which become embedded in the qi field of Gaia. The identity and interchangeability of the two forms of qi is asserted by Incan shamans, who suggested that touching 'magic stones' (meteorites) discharges the

heavy pranic energy from the human body accumulated through stressful experiences. We are convinced that traditional beliefs also reflect the reality that only those sensitive to qi such as Qi Gong practitioners (e.g. Yan Xin 1999), can consciously experience subtle energy phenomena.

The dichotomy of after-life destinations some religious mythologies including modern religions, have postulated, seems at first sight to reflect beliefs as to the structure of the energy sheath of our planet. We now know this is dominated by a diurnal dynamism of sky and ground qi. Did our ancestors view literally this spiritual analogy with the physical world? We suspect they did. For example, ground energy is generally high above open wells, which may explain why the ancients considered them sacred. More observations need to be made on this aspect of vital energy in light of the importance now shown to the Gaian hypothesis (Lovelock 1979). As noted in Anon (2011): "When I have encountered earth prana, in a ravine or large excavation where the land has been broken and opened up severing an earth nadi....this form of prana feeds plants, trees and the soil". This may explain the images shown in Fig 9. The nightly extrusion of heavy qi energy from the earth's surface has almost certainly affected how our species, and other species with diurnal activity cycles, organize their lives. As noted, heavy energy outflow from the earth appears very pronounced in spring, and could be tied to the growth spurt then shown by vegetation. More observations on the factor leading to this outflow need to be made in light of the importance now shown to the Gaian hypothesis (Lovelock 1979), and the possibility that this outflow is induced or enhanced, by radiation from the centre of the Milky Way.

Further developments on the theme of ground energy incursions above ground level are that it suggests why spirits are mostly encountered at night – they are heavy energy phenomena! In this connection, a relevant example follows from the second author's personal experiences in Amazonia. While camping in a remote area of primary rain forest next to a tributary of the Amazon, there was a violent windstorm during the night. Swaying in his hammock, the second author became acutely aware that there were long-limbed spirit-beings moving past him through the forest. After a few minutes of experiencing these spirits the wind storm abruptly stopped. In the profound sudden silence, the second author received an oral message from an entity, repeated twice. Next morning, when he related these experiences, his native guide was completely unsurprised, and indicated that this phenomenon is commonplace. He explained that these were the spirits that resided in the mud of the river bottom and routinely came out to wander the forest at night. Here, the traditional belief that 'spirits' emerge from the rich microbial ecosystems below tropical rivers at night, seems compatible both with the behavior of ground

energy, phantoms, and ancient beliefs in our below-ground residence following life on earth. Such beliefs in societies sensitive to qi energy, were that after death of the physical body, the energy body risks being captured by the nexus of vital ground energy emerging at night from low-lying humid areas. To what extent such an entity with an energy body clothed in microbial qi may retain a human mental configuration or awareness, is not clear. Recent studies (e.g., Radford 2002) on colonial bacteria suggest that they are capable of cooperative and symbiotic actions such as this would require.

We have made deductions based on a new hypothesis and information now available, in an attempt to explain the peak in ground energy, and the trough in sky qi values that occurs prior to dawn. A partial confirmation of this pre-dawn phenomenon is found in 'Energy Healing –Wikipedia' (Wikipedia 2013): "You can consciously absorb prana or ki from the air and the ground. It has been clairvoyantly observed that there is more prana during daytime than at night. Prana reaches a very low level at about three or four in the morning". (Prana is identified here with light 'sky energy'). It seems that this energy, once incorporated into the Gaian aura, plays a vital role in the growth spurt of vegetation in spring, and perhaps provides a 'template' of information to encourage correct implementation of growth forms. We are convinced that the images drawn from memory in Fig. 9 are also recorded in Gaia, and serve as reminders to earth biota of the structures and functions of their predecessors. (This idea is similar to the Morphic Resonance theory of Rupert Sheldrake 1988).

Given the originality of our hypotheses, we leave it to readers to explore further if the mechanisms proposed are feasible, and ask those with the appropriate sensibilities to repeat these observations.

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