



# THE ROLE OF TECHNOLOGY IN HUMAN EVOLUTION, PART 3

Exploring The Western Path

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# SCHEDULE

- 10:00-10:30 Social time, tea/coffee
- 10:30-11:30 Legends; Hephaestus; preparations for our time
- 11:30-12:30 Electricity & evil; EMR; sensitivity & safety; magnetism
- 12:30-01:30 Lunch (BYO)
- **01:30-02:30 Resonance, prosthetics, robotics, vibrations, and life**
- 02:30-03:00 Break tea/coffee
- 03:00-04:00 Artificial intelligence, artificial soul; consciousness soul development, a path to “future Jupiter”
- 04:00-04:15 Concluding remarks

## Discussion

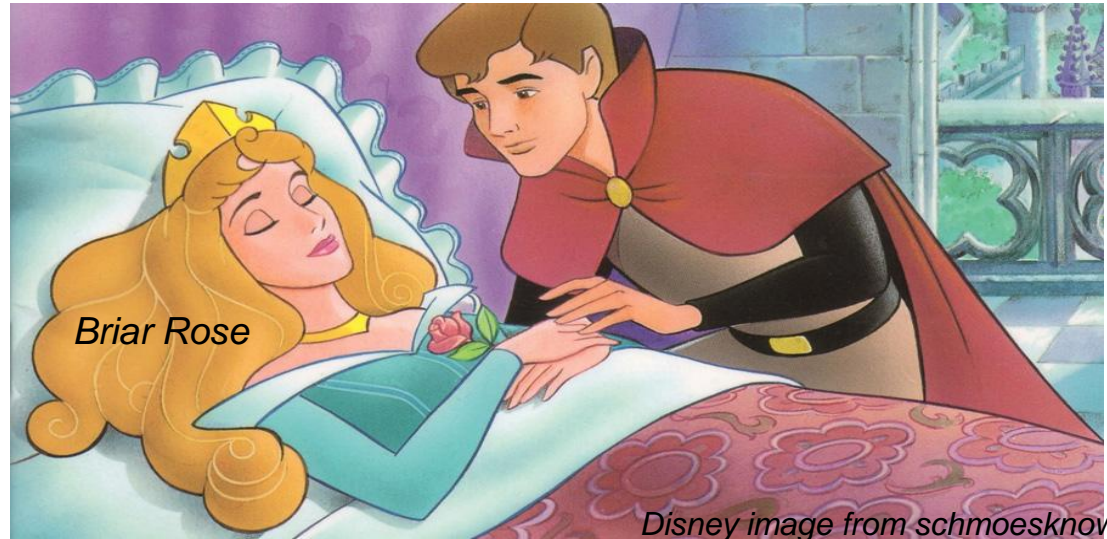


Disney image from [schmoesknow.com](http://schmoesknow.com)

Q & A

# DISCUSSION TIME

Human attention requires a oneness – A. Linnell



*Disney image from schmoesknow.com*

In the Age of the Consciousness Soul  
**RESONANCE, ROBOTICS,  
VIBRATIONS, AND LIFE**



# MERGING MACHINES WITH OUR BODIES

- Physical body: transient but appearance of longevity
  - New: used by consciousness soul as its instrument, brain-thinking
  - That which forms crystals in the mineral realm is permeated in man by the Consciousness Soul e.g. magnetite crystals in the brain
- Etheric body: less-transient, motion, flowing river
  - Used by intellectual soul as its instrument
  - "No man ever steps in the same river twice" – Heraclitus
- Astral body: seat for birth of eternal, airy
  - Used by sentient soul as its instrument
- Ego 'body': eternity lives through the spirit, fiery
- Merging of machines and mankind
  - While it appears at the physical, it is more so at the etheric
    - T, F, &W in the soul act through the etheric
    - We couple to machines by harnessing the etheric
  - What happens to such an etheric body?
    - Does it become "parched"?
    - *For my yoke is easy and my burden is light* – Matthew 11:30



# MICROCOSM OF THE MACROCOSM

- Nerves
- Blood
- Nerve-Blood, breathing
- Thinking as breathing
- Thinking as light



# RELATIONSHIP OF MAN AND EARTH

- Alpha waves: 8 Hz
- Breaths: 18/min or 25920/day
- Heart:Lungs is 4:1
- Eye: 24 pic/sec
- Ear: ?
- Sleep – Awake
- Earth's electrical resonance: 8 Hz
- Platonic year: 25920 years
- 4 seasons/year
- 24 hours/day
- ?
- Death – Rebirth



# NATURAL AND ARTIFICIAL RHYTHMS

- Adjust with season
  - Bed time
  - Meals
  - Study/work ratio
  - Home warmth
- Adjust with cosmos
  - Celebrations
  - Moon events, tides
  - Planting/harvesting
- Set bed time 10 pm
- Fasting 1 day/week
- Meditate at 8 am
- Will act at 11:30 am
- Grain of the day
- Concerts TH nights
- Coffee w/friend
- Study group





# TERRESTRIAL VIBRATORY PHYSICS

- Schumann oscillation of the earth's magnetic field:
  - Frequency: 8 Hertz (cycles per second)
  - Frequency of human brain waves: 8 Hz
- Bodily circadian rhythms:
  - Daily cycles of metabolic activity accompanied by changes in hormone secretion such as melatonin from pineal gland
  - Necessary part of life in organisms including human beings
  - Strongly influenced by environmental electromagnetism
- Complex rhythmic changes
  - Earth's magnetic field and our moon
  - Movement of the planetary bodies reveals, purely at the level of electromagnetism, the vibratory connectedness of the human being with the whole cosmos



# RHYTHMS

- Life – death
- Awake – asleep
- Breathe in – breathe out

# INNER AND OUTER RHYTHMS

- What entity guides a given rhythm? Moon? Sun? Planets?
  - What is the best time of day to meditate?
  - To perform experiments or develop mechanical occultism?
  - Embryology: 10 moon cycles (as a memory)
- “The soul has a 14 day period of creative productivity, then a 14 day empty period” – R. Steiner, *Metamorphoses of the Soul*, lec.9, GA56, 9Dec09
- A person becomes free inwardly by making an external rhythm into an inner one – as has human and consciousness evolution
  - We have long since freed ourselves from the rhythm which connected our inner being with the moon
  - Hence we have emphasized that man lives through the phases of the moon inwardly, but these experiences are not caused by the moon in the sky
  - The course of the moon shows a similar rhythm because man has retained the rhythm inwardly, though outwardly he has made himself free and independent of it
  - The tides, as well as the course of the moon, are caused by deeper spiritual forces ***in the living earth***



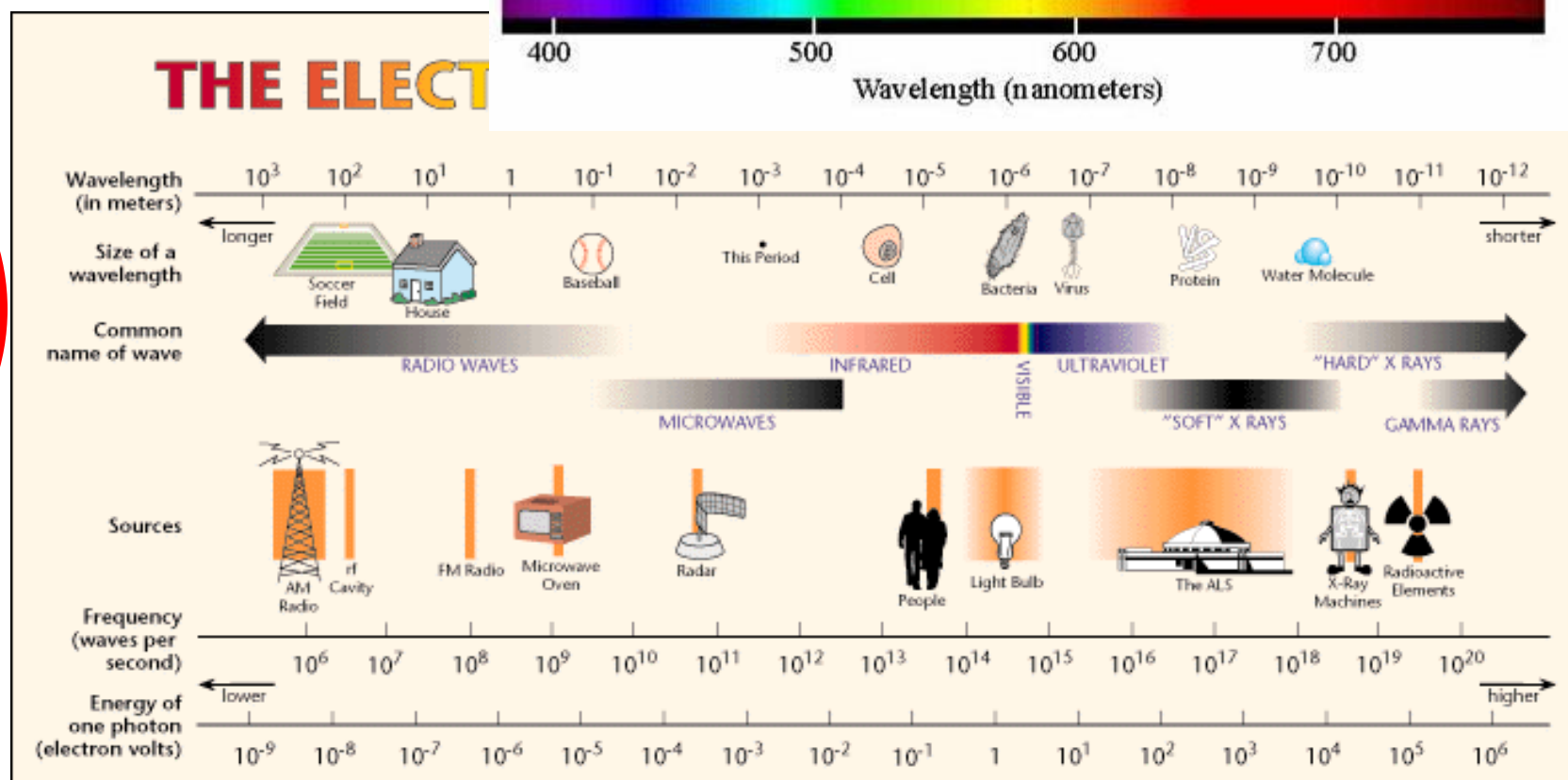
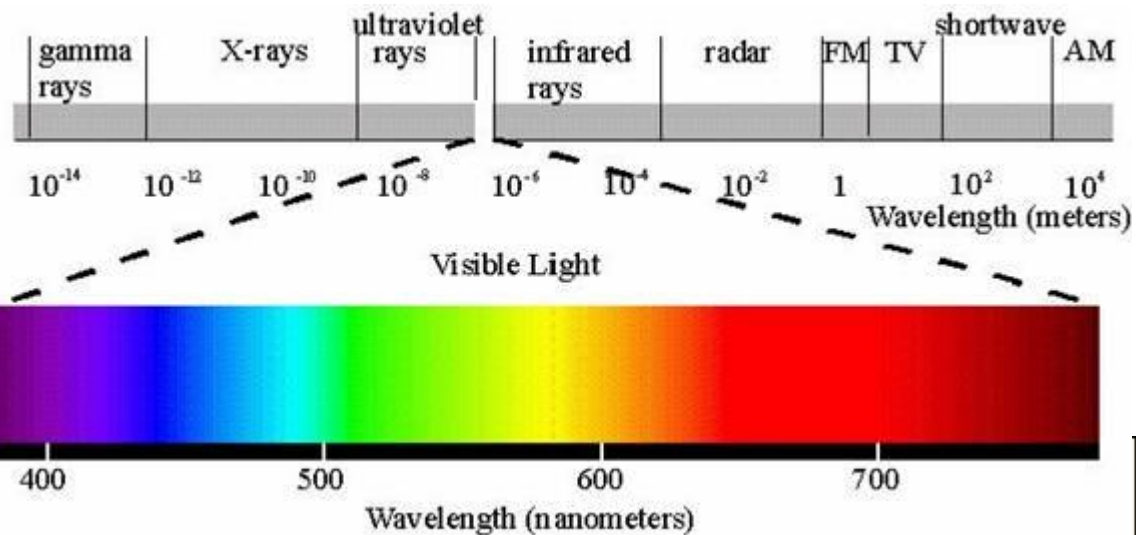
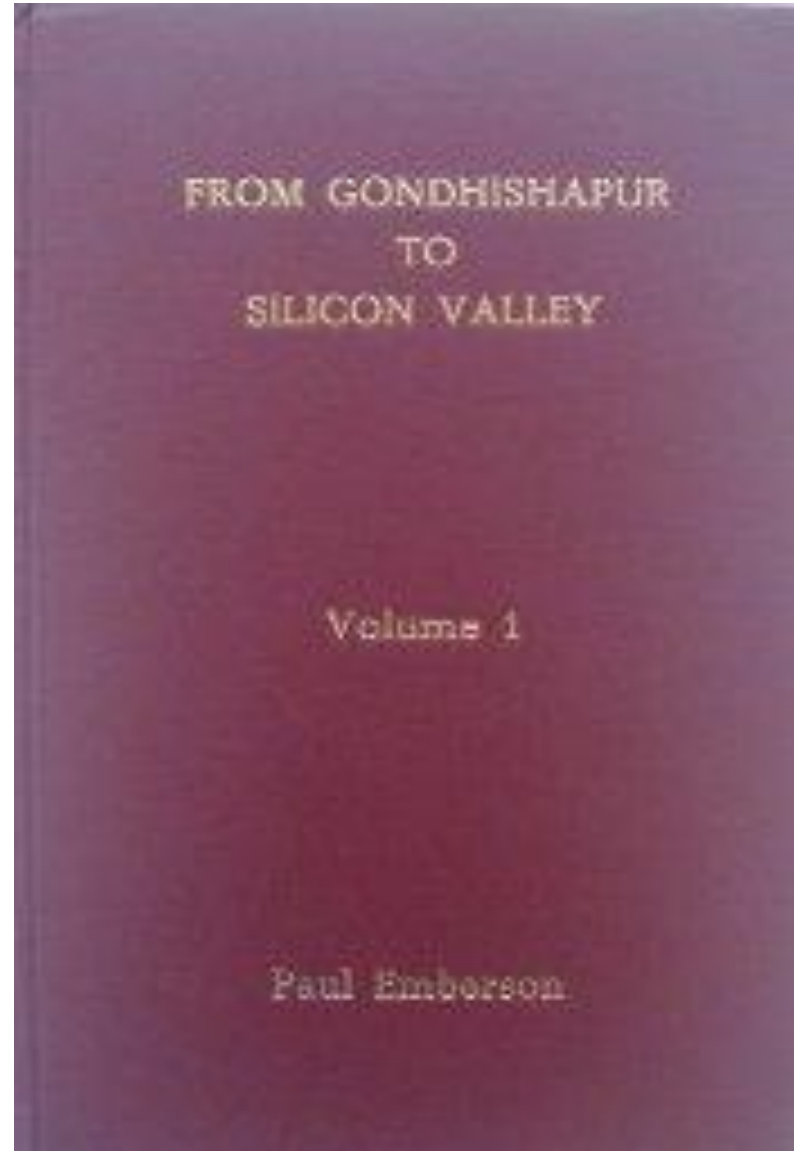


Chart from Berkeley Lab, LBNL, [www-als.lbl.gov](http://www-als.lbl.gov)

# ONE PERSPECTIVE

- “One of the most wide-spread delusions of our time is that binary computers were developed by human beings to serve mankind. This is not the case. **Binary computers were developed by the ahrimanic double in man, to serve Sorat and his hosts.** Man was but the instrument of the double's activity. Only ahrimanic beings have a comprehensive grasp of what is happening in computer technology. Men are lulled to sleep by visions of knowledge and power.”
- “Computers will physically be semi-living beings ... Indeed, we may say **this incarnation of Ahriman is the incarnation of the Binary Beast.**”





# SPIRITS OF BIRTH AND DEATH

- All progress takes this course: wherever what has been created falls into ruin, we know that out of that ruin new life will always blossom -- *Leonardo da Vinci, His Spiritual and Intellectual Greatness At the Turning Point of the New Age*, Rudolf Steiner, Berlin, February 13, 1913, GA 62



# MODERN TECHNOLOGY AND THE ROLE OF EVIL

- Wherever electricity is used, there is demon magic
  - Demon magic signifies progress – we should not oppose progress – R. Steiner, *Karma of Vocation*, lecture 9, GA 172
- In the fifth post-Atlantean epoch illusion, Maya itself, will be seized upon by Evil. It will all be permeated by cleverness, intelligence
- The human being can only come to **spiritual freedom by growing strong against the resistance provided by evil**
- Human beings will have to accustom themselves to regard the inrush of the forces of Evil as an inrush of very laws of Nature
  - We will learn to know them and what lives and moves in the very depths of things
- We must not regard Evil from the outset as one would, who in the fullness of his egoism merely wanted to get away, to flee from it
  - We cannot do so but we must penetrate it with consciousness; we must learn to know it — really learn to know it
- Above all, in our time, already a force is preparing in the realm of human beings a force which tends to create illusions that are harmful and destructive – R. Steiner, *The Problem of Faust*, lecture 6, 4Nov17

# SIMILAR PERSPECTIVE

- “Why Being a Google or Facebook User Makes You an Investor in the End of Humanity!”
- “This book might manage to reach the most intimate core of your humanness”
- *Update:* Liviu proposes in essay new software: Human-Avatar
  - Social media like Facebook
  - With more emotions than “like”

Beware of our antipathies and sympathies







# ARE MATERIALISTS KARMICLY DOOMED?

- “I shall not concern myself with **what** [the materialistic scientist] says, but with the way [**how**] he thinks. If we can do that, something remarkable comes to light. We see that the kind of thinking those persons have developed is the germ of a very far-reaching spirituality.
- “The [materialist’s] thoughts are so tenuous that the man must exert a tremendous spirituality to think at all and prevent his thoughts from sinking down and being laid hold of by the merely material element of existence.
- “Vigorous effort of the spirit is necessary to sustain modern scientific thinking ... and good preparation for rising to spiritual things – **good preparation for entrance into the spiritual world – next incarnation** [Haeckel] **strong spirituality**”
- Rudolf Steiner, *How Can Mankind Find the Christ Again?*, lecture 6, 29 Dec 1918



# GOETHE AND THE IDEA

- “Modern natural science, in accordance with its whole being, cannot believe in the ideal character of knowledge. For, it does not regard the idea as that which is primary, most original, and creative, but rather as the final product of material processes.
- But in doing so, it is not at all aware of the fact that these material processes belong only to the sense-perceptible, observable world that, however, grasped more deeply, dissolves completely into idea.
- The process under consideration presents itself to observation, namely, in the following way: We perceive facts with our senses, facts that run their course according to the laws of mechanics, then phenomena of warmth, of light, of electricity, of magnetism, and finally of life processes, etc. At the highest level of life, we find that **life raises itself up to the forming of concepts and ideas**, whose bearer, in fact, is the human brain. We find our own “I” springing from just such a sphere of thoughts. The “I” seems to be the highest product of a complicated process that is mediated by a long series of physical, chemical, and organic occurrences.
- But if we investigate the ideal world of which the content of that “I” consists, we find in that world essentially more than merely the end product of that process. We find that the individual parts of that world are connected to each other in a completely different way than the parts of that merely observed process are. As one thought arises in us, which then demands a second, we find that there is an ideal connection between these two objects in an entirely different way than if I observe the color of a substance, for example, as the result of a chemical agent. It is of course entirely obvious that the successive stages of the brain process have their source in organic metabolism, even though the brain process itself is the bearer of those thought-configurations. But the reason as to why the second thought follows from the first: this I do not find within this metabolism, but do indeed find within the logical thought-connection.
- Thus, in the world of thoughts, there holds sway, besides organic necessity, a higher ideal necessity. But this necessity, which the human spirit finds within its world of ideas, this it also seeks in the rest of the universe. For this necessity arises for us, indeed, only through the fact that we not only observe, but also think. Or in other words, the things no longer appear in a merely factual connection, but rather as joined by an inner, ideal necessity, if we grasp them not merely through observation but rather through thoughts.” – R. Steiner, *Goethean Science: XVI: Goethe as Thinker and Investigator*, GA 1,



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# THE STARS ONCE SPOKE TO MAN

The Stars once spoke to Man.  
It is World-destiny  
That they are silent now.  
To be aware of the silence  
Can become pain for earthly Man.

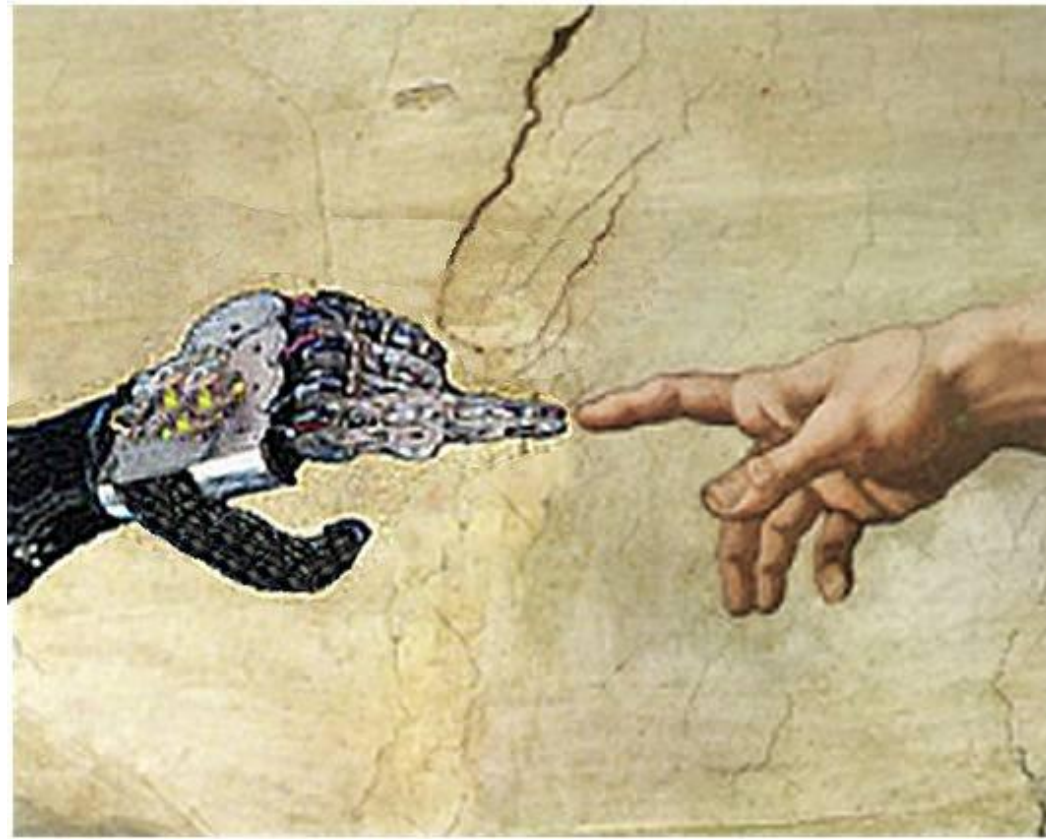
But in the deepening silence  
There grows and ripens  
What Man speaks to the Stars.  
To be aware of the speaking  
Can become strength for Spirit-Man.

Rudolf Steiner

spirit

soul

life



## END PART 3 Q&A



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