



THE ROLE OF TECHNOLOGY IN HUMAN EVOLUTION

Exploring The Western Path, Parts 3 & 4

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THEMES

- Overcoming Fear

1. Mythology

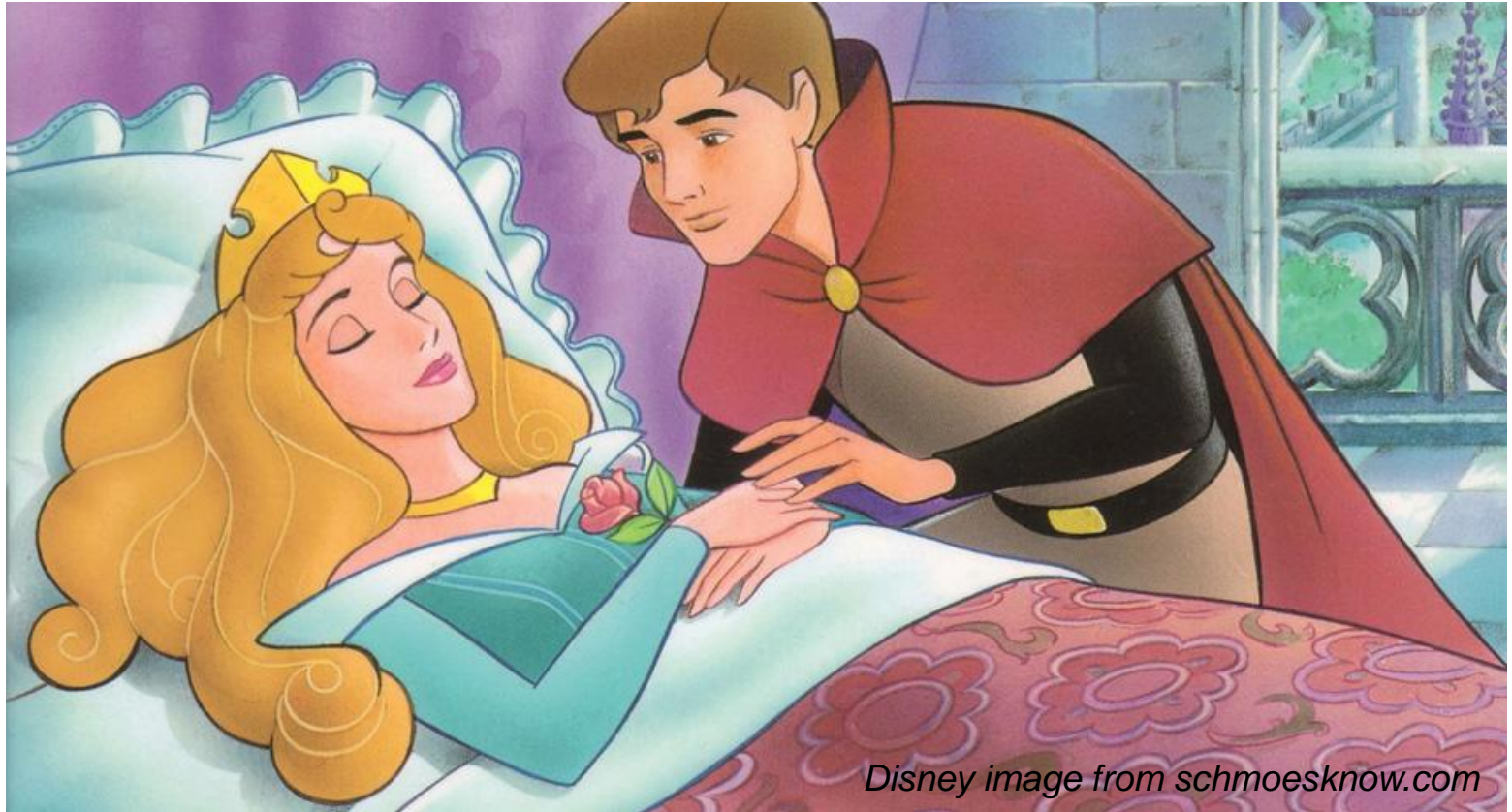
2. Soul and Machine



3. Evolution

4. Artificial Intelligence

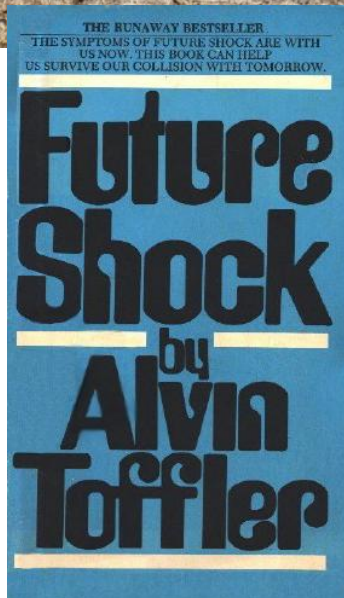
- The Western Path



Briar
Rose

Disney image from schmoesknow.com

WHAT IS YOUR PICTURE OF THE FUTURE (2050 →)



1970





NO GOING BACK – FORWARD ONLY

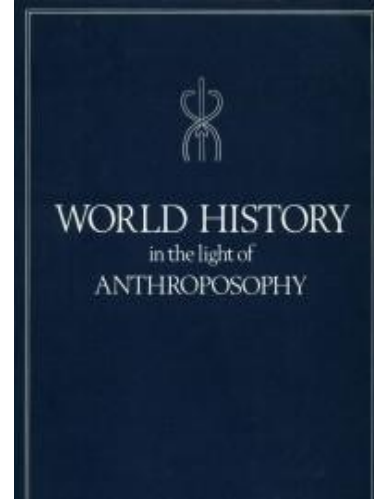
- “Man had to **get away from old rhythm**; his progress depends on this
- When certain prophets go around today preaching ‘**Back to Nature**’, they want to bring life into reverse instead of helping it forward
 - All this chatter about returning to nature contains no understanding of real evolution
 - When a movement today recommends people to eat certain foods **only at certain times of the year** because nature herself indicates this by making foods grow only at certain times, this is the abstract talk of an amateur
- The essential thing about evolution is that man grows more and more **independent of outer rhythm (emancipation)**
 - But we must not lose **the ground from under our feet**
 - It is **not the best thing for man's progress and salvation to return to the old rhythm** and ask himself how he should live in harmony with the four quarters of the moon
 - For it was essential in olden times for man to be like an impress of the cosmos, but it is important too that **man should not believe he can live without rhythm**”

R. Steiner, *The Being of Man and His Future Evolution*, Lecture 5, 12Jan1909, GA 107

PAST HUMANS NOT LIKE TODAY

2000 BCE: Cruel conquests, enslavements

- Those with abundant youth conquered an older people
 - Abundant life forces left little for reflection and thought
 - The younger nation brought an older into subjection
 - People who had taken into itself forces of death from decadence
 - Not necessary to form a blood-bond – that which worked unconsciously between them worked in a rejuvenating way on the reflective faculties
 - The conqueror required the slaves to influence his consciousness
 - Turning his attention to these slaves quenched in his soul the longing for unconsciousness, thus reflective consciousness began to dawn
 - In overcoming another people, it won what it needed for its own evolution
 - A young people, not possessed of powers of reflection, needed a people that had in it more of the forces of death
- What we have to attain to-day as individuals was attained at that time by living together with others.
- These barbarous conflicts are in reality impulses of human evolution
 - They had to take place
 - Mankind would not have been able to develop on the earth, had it not been for these terrible wars and struggles that seem to us so barbarous
 - - Source: R. Steiner, *World History*, lecture 2, 25Dec1923, GA 233





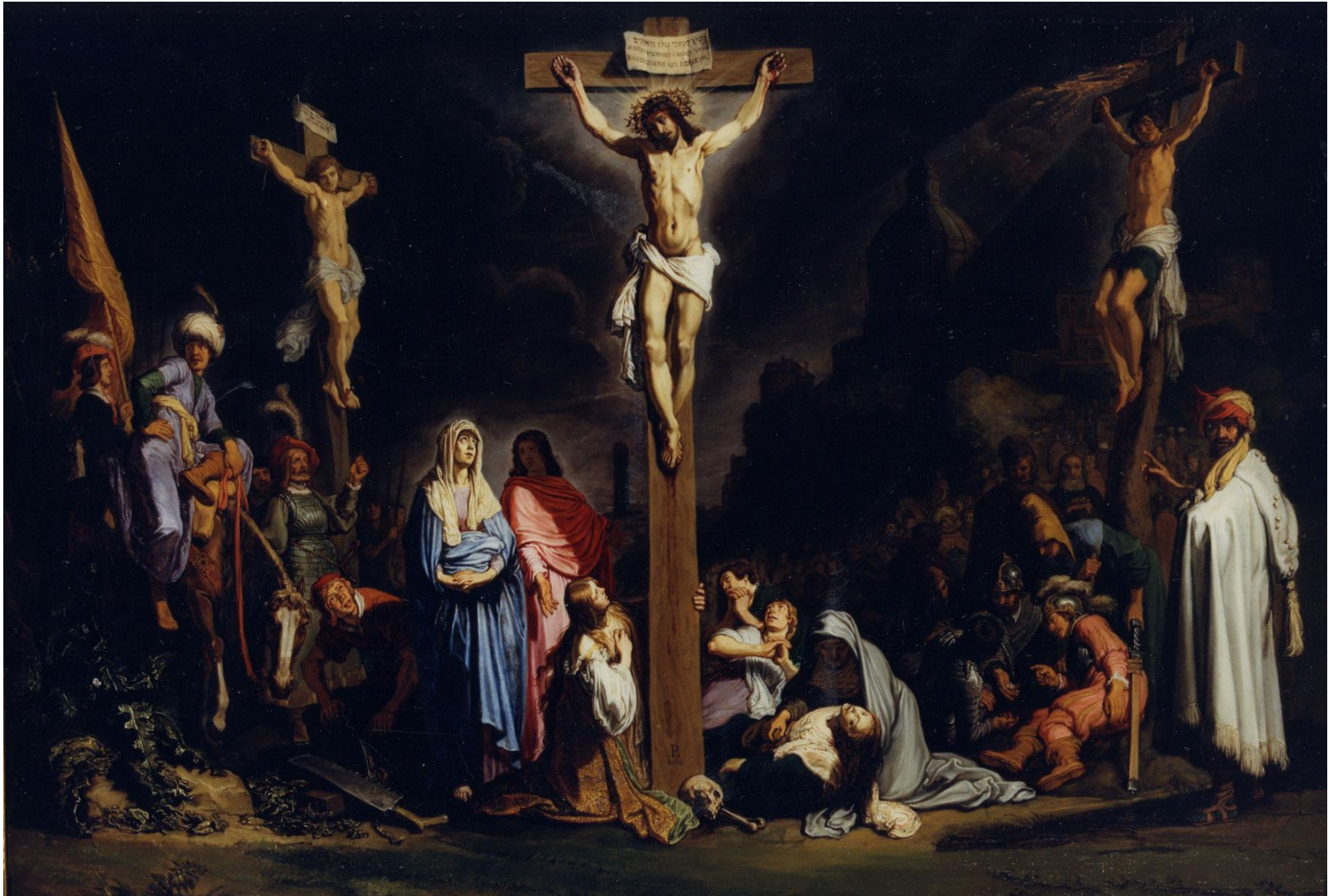
HUMANS 2000 CE

- Consciousness Soul (CS) development
- Reflective development becoming Imagination
 - In forming mental images, man lives with his CS, not in real being, but in the non-reality of the picture state
 - This frees him from participating in the cosmic – to act in freedom

FUTURE HUMANS WILL NOT BE LIKE TODAY

- How will they be different?
- Developed freedom and consciousness soul
- Will Synthetic Biology construct Human v2.0?

PIETER LASTMAN (1616)



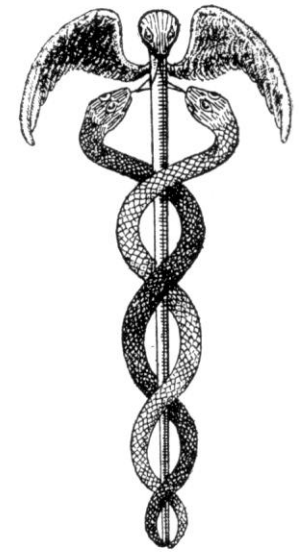
AT THE TURNING POINT OF TIME

Lucifer

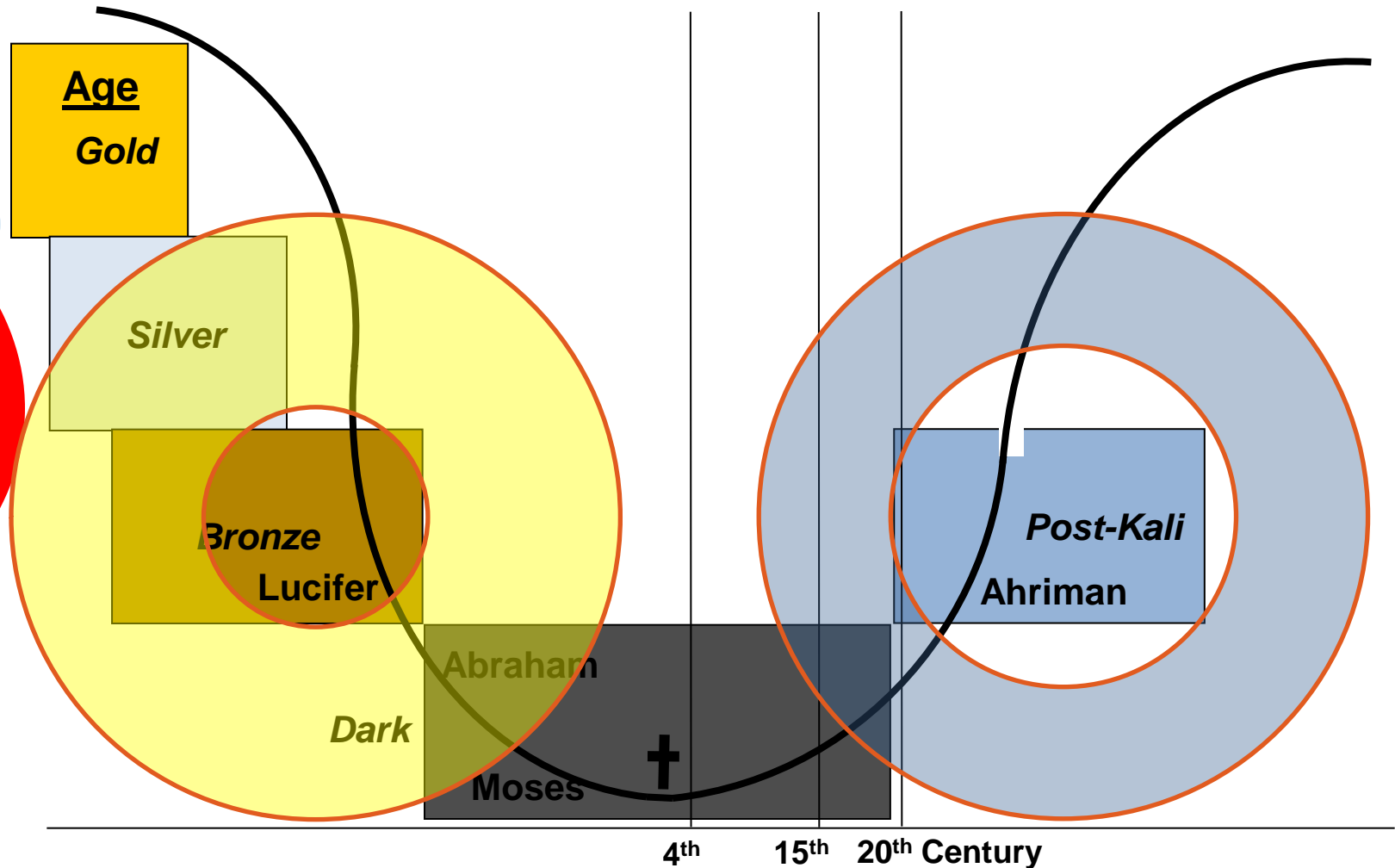
- Old Moon wisdom

Ahriman

- Future intelligence



POST ATLANTEAN HISTORICAL PICTURE PENDULUM



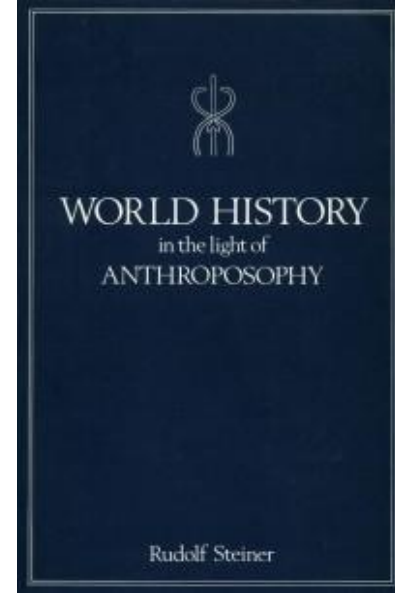


INCARNATION OF LUCIFER

- Imagine you lived in China ~3000 BCE
 - Incarnation of Lucifer is imminent, you know it is coming
 - How do you approach this?
- Lucifer, the light bearer, the Spirit of Venus
 - *Man in the Light of Occultism, Theosophy and Philosophy*, GA137, Christiania, 12th June, 1912
 - Venus as the star of those unfinished from Old Moon
 - On Old Sun, Christ and Lucifer were 'brothers'
- Now, how do we prepare for Ahriman's incarnation?

SIGNIFICANT TRANSITIONS IN HISTORY

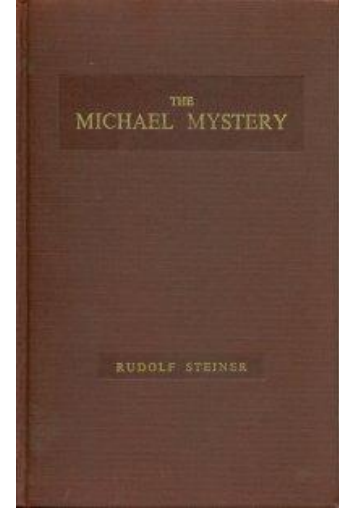
- Earth conditions, from life to lifeless
 - Human once jellyfish-like
- Macrocosm
 - From present to manifestation to calculable
- Memory: locale, rhythmic, temporal
- Post-Atlantean Cultural Epochs
 - The Question of Death, Greece/Asia
- Change from Turning Point of Time
 - Compare to Hinduism: through the Gita something of a noble purity, quite impersonal, calm, and passionless
 - Epistles of St. Paul: entirely personal, often a passionate character, utterly devoid of calm
- Renaissance
- Now





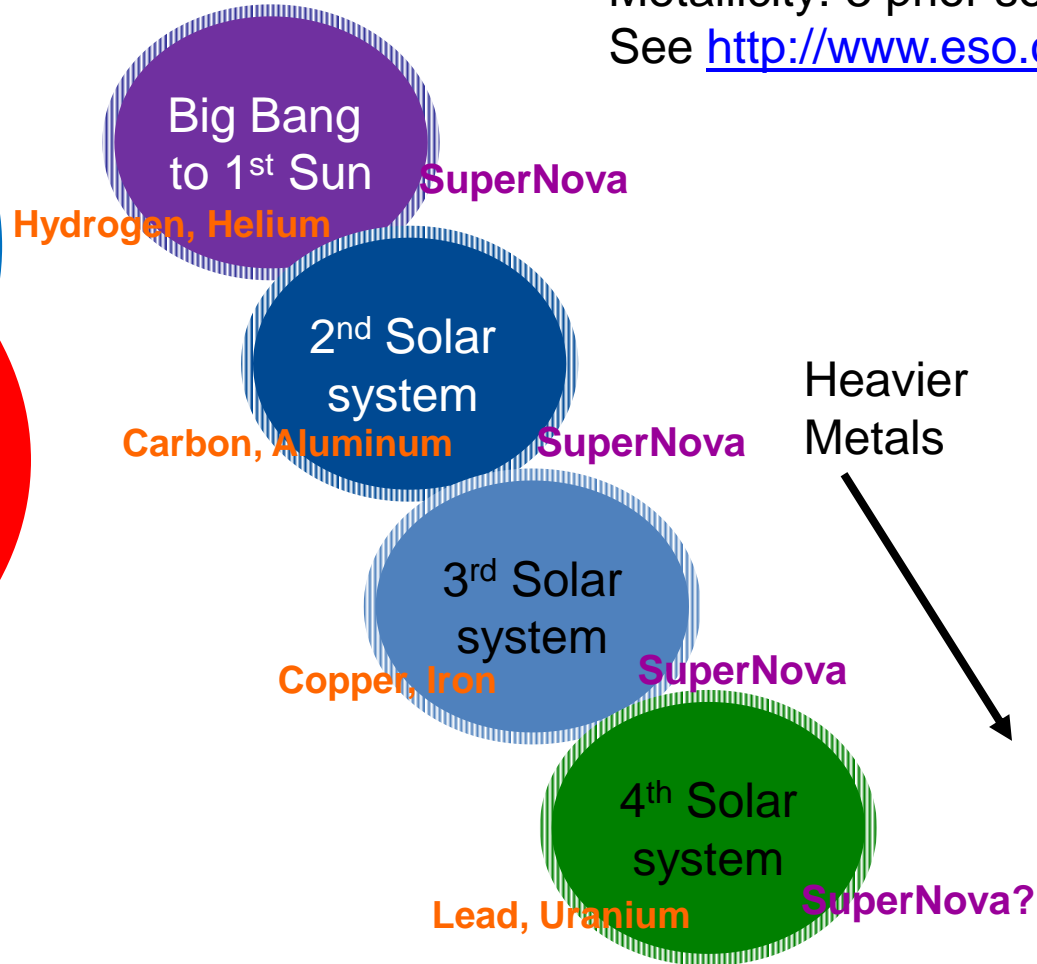
BECOMING THE CALCULABLE

- The farther back clairvoyant vision penetrates into the past, the more the Macrocosm is seen in every greater fullness of life
- Life in the remote past ceases all calculability of its life-manifestations
- From this fullness of life Man is gradually separated out
- Macrocosm passes more and more into the **sphere of the Calculable**
 - Therein, however, **the macrocosm slowly dies out**
 - In the same measure as Man, the Microcosm, emerges as an independent being out of the Macrocosm – the Macrocosm died
- The cosmic Present shows an **extinct Macrocosm**
 - But in the process not only Man has arisen; out of the Macrocosm has arisen also the Earth
- In the beginning of the age of the Spiritual Soul, men have accustomed themselves to direct their observation to the physical proportions of the Universe in Space, and to regard primarily its bigness in this respect
 - Accordingly, they speak of the **Earth as a grain of dust** in the midst of this, to physical appearance, so gigantic Universe
 - To the consciousness of the seer, this 'grain of dust' reveals itself as the **first life-seed** of a newly arising Macrocosm; whilst the old Macrocosm can be seen to have died out
 - **It was necessary for it to die and become extinct, in order that Man might separate himself out from it in full Self-consciousness**
- In the present cosmic age, Man takes part in the dead and dying Macrocosm with his Thinking forces, which give him **freedom**; whilst with his Will-forces, whose real being is hid from him, he takes part in the young Macrocosm that is springing up as Earth-born **seed into new life**

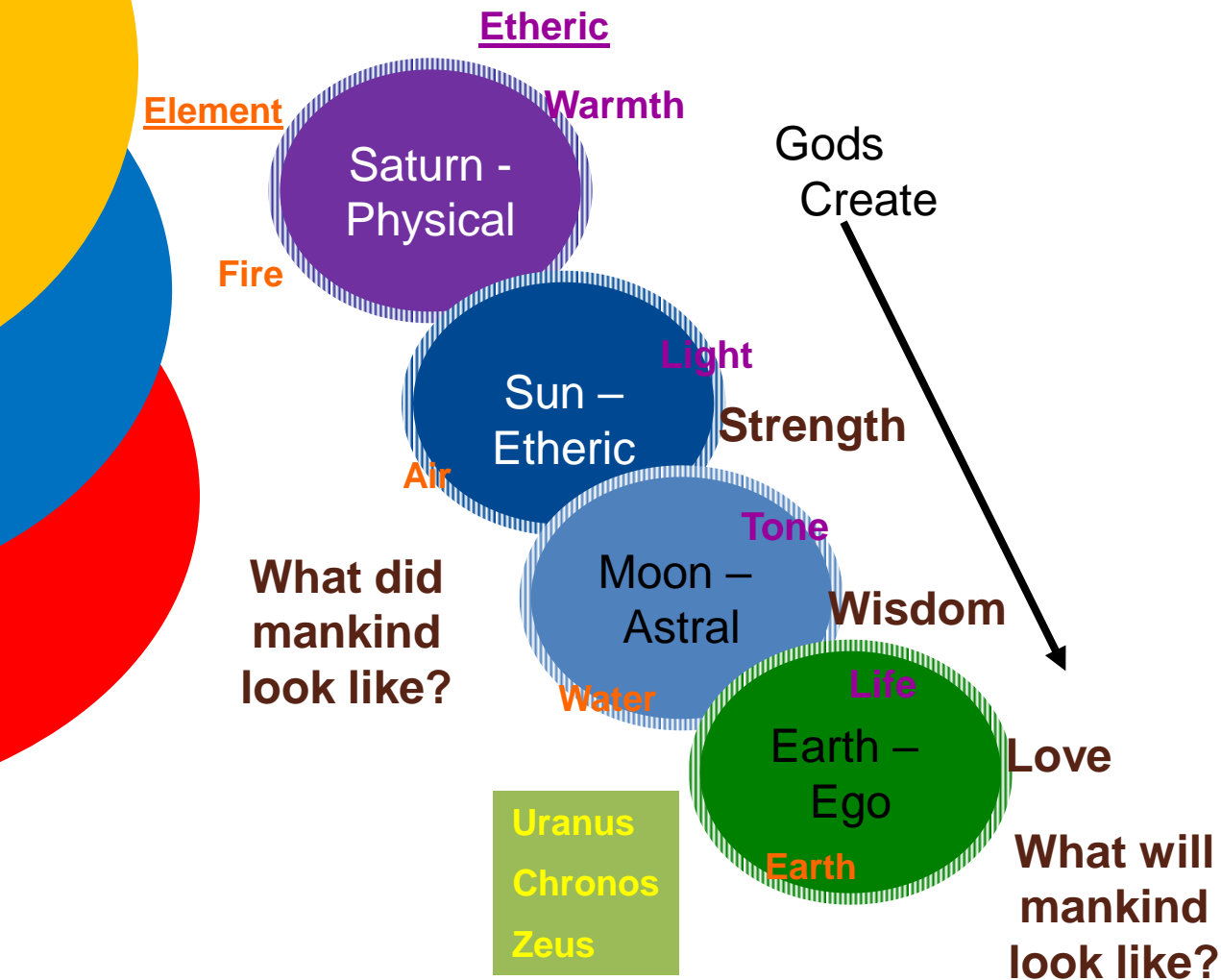


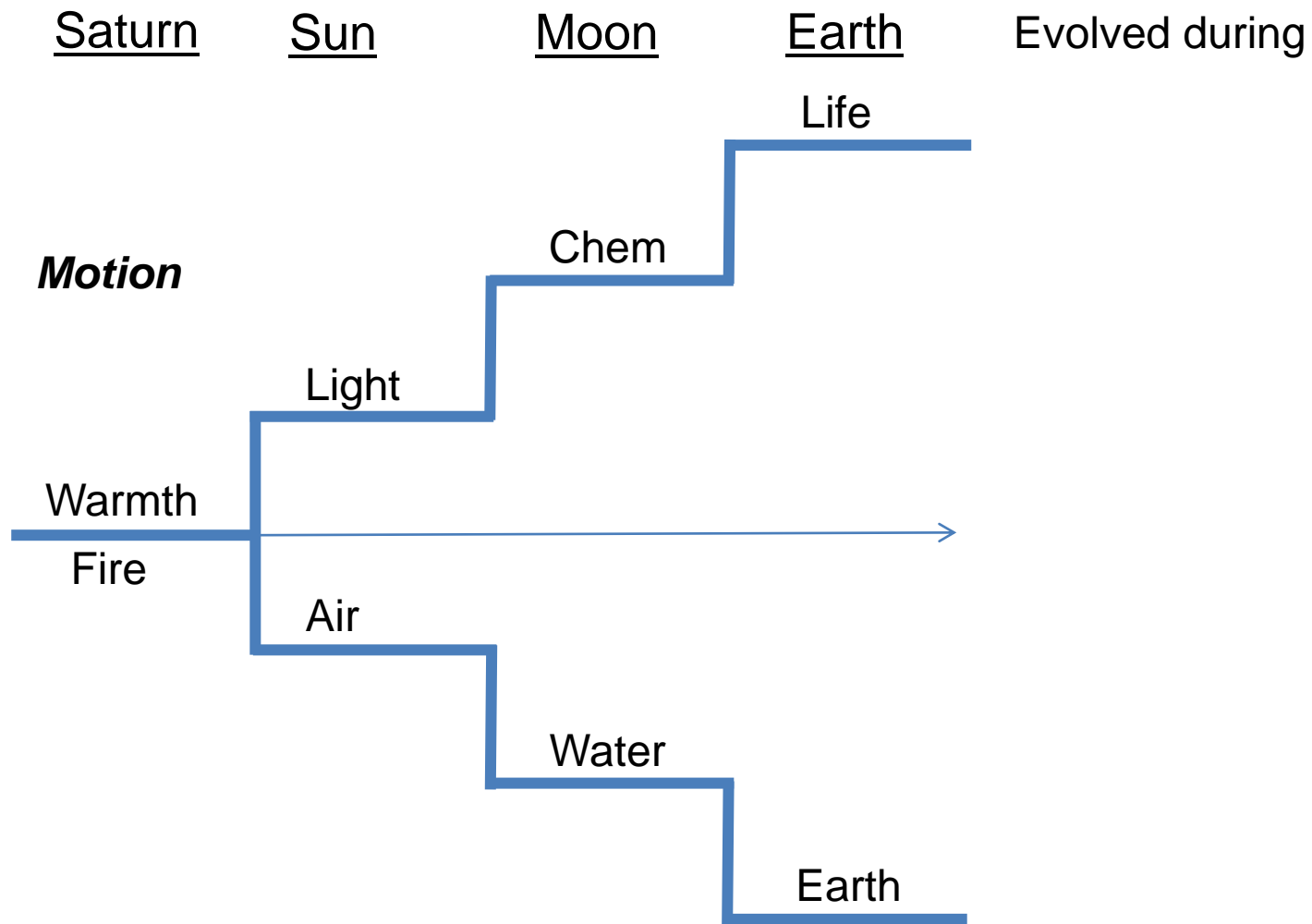
STELLAR EVOLUTION & METALLICITY

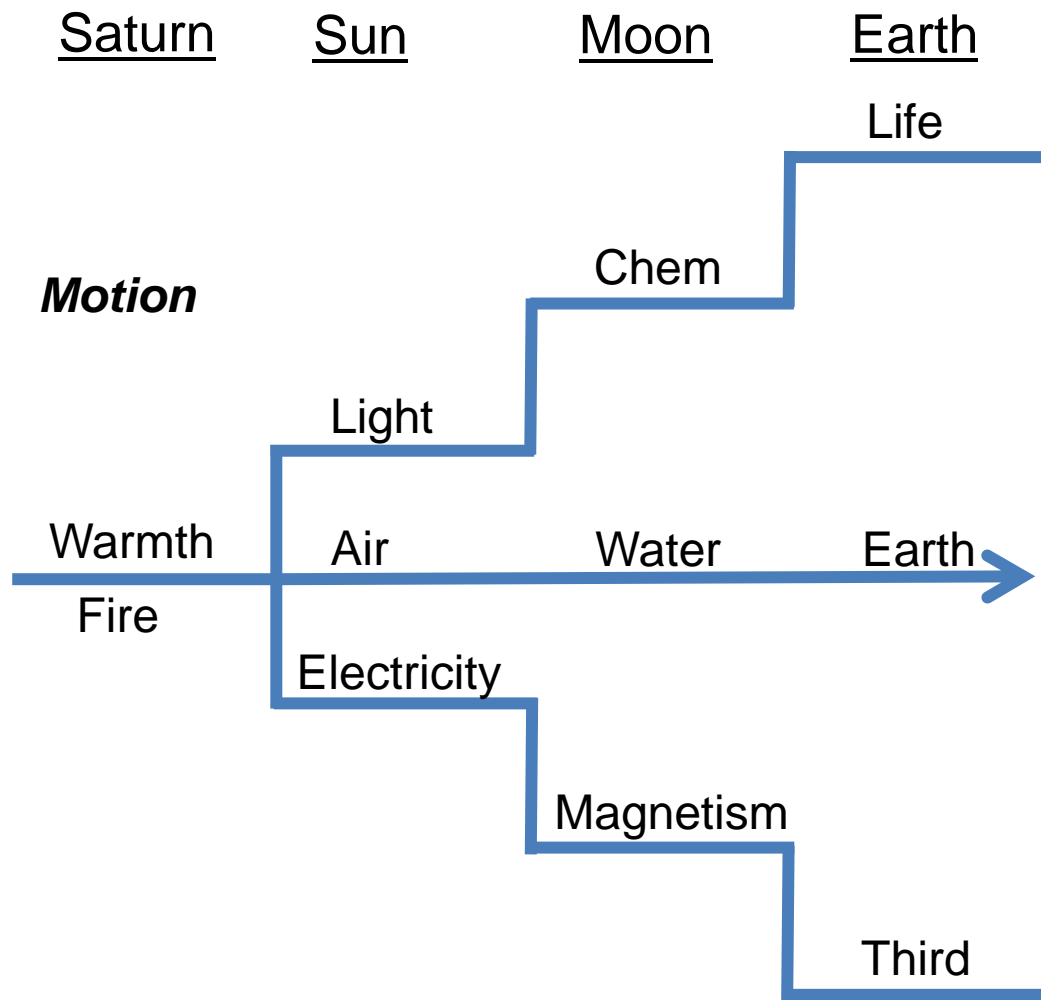
Metallicity: 3 prior solar systems to have heavy metals
See <http://www.eso.org/public/usa/news/eso0129/>



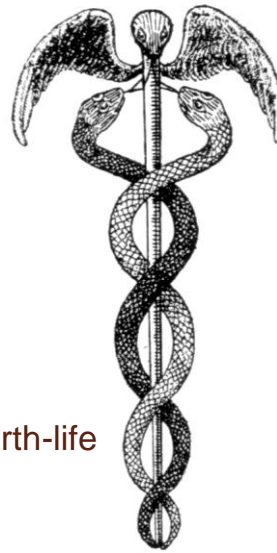
COSMIC EVOLUTION OF THE HUMAN CONDITION







WHO ARE LUCIFER AND AHRIMAN?



- **Order** was established between Calculable and Incalculable
- Between birth & death, Man has the Calculable ready-laid for his body
 - Groundwork needed to unfold the free Incalculable of his inner, spiritual soul-life
 - Between death and new birth: exist in the Incalculable, ponder the Calculable
 - Thereby — **out of this Calculable** — one becomes the architect of their next earth-life
- **Lucifer** can combine with his own form of being **nothing calculable**
 - His ideal: a cosmic unconditioned action of intelligence and will
 - Role: freedom where it should rightly rule events
 - Without his aid, freedom would never make its way into Man's spiritual and soul life
- **Ahriman** stands as complete opposite the divine spirit-beings
 - Ahriman: cold **Hate of everything expanding in freedom**
 - Ahriman's aim and endeavour is to **make the cosmos a machine**
 - His ideals: Measure, Number and Weight
- **Michael** intervenes: **stands** in the Incalculable **dressing** the balance between the Incalculable and the Calculable that he bears within him as a World-thought received from his Gods
 - These Gods are at present purely spiritual beings who bear within themselves perfectly free intelligence and perfectly free will
 - They create, in their free intelligence and will, a wise insight into **the necessity of the Calculable**
 - They are united in Love and **this Love streams** from them throughout all the universe
- He who comprehends the world as everywhere **Spirit-in-body**, he alone really comprehends it

- Source: *Michael Mystery*, lecture XV, GA026



QUESTIONS TO HELP UNDERSTAND OUR FUTURE

- Who gave us pain and suffering? *Good spirits, counter Lucifer*
- Who gave us karma? *Good spirits, rectify Ahriman*
- What is the point of Earthly gravity? *Upright Freedom*

Goethe: “There is no past that we can bring back by longing for it. There is only an eternally new that builds and creates itself out of the best as the past withdraws.”



FEAR & GLOOM OF THE FUTURE

- “Now, in 2016, humanity is crossing the eighth sphere and enters the time of intensive forces working on destruction of Life Spirit
- This is just the beginning of dreadful times, when the whole life on earth might be threatened
 - Forces of chaos and total destruction are at work now
- But the hardest times and the toughest trials are still ahead, when the ninth sphere time comes in about 2028, while the forces striving for destruction of Spirit-Man will be mostly active” – Robert Powell

MICHAELIC AGE

- Mankind will be tempted into an alliance with Ahrimanic Beings
 - Also elemental beings
 - A further detachment of Cosmic Intelligence from its original source
- Thus Michael battles the Ahrimanic Powers
 - Beneath his feet
 - Constantly driving them down into deeper regions below where Man is pursuing his development
- Michael knows that he will always have Ahriman beneath his feet – but is it the same for Man?





MICHAEL'S TASK IN THE SPHERE OF AHRIMAN

- We are now within the **sphere of the Ahrimanic Mind**
 - Slide into Ahriman's Mind sphere began with Mystery of Golgotha
 - End of a stream of evolution in 15th C → Intelligence-Personality
 - Key Point in Time: 20th to 21st Century
 - Intellectual Soul to Consciousness Soul (began 1413)
 - Earlier epochs Man beheld divine spirit-beings as his source for what he was and what he did – Man had no will of his own
 - Man existed as organs of the Divine Spirit-beings
 - Earlier Man felt himself through the Divine Spirit-beings active within him livingly bound to the spiritual world
 - Ahrimanic form of mind had no power then
- Personal **will** arises in our time
 - As thoughts pass over into physical body, they lose their aliveness
 - And dead thoughts release us from the spiritual world to physical



FINDING IN FREEDOM THE RIGHT SPIRITUAL PATH

- In this Ahrimanic world-stratum, divine influences congenial to Man have died out
 - No other possible way to arrive at the development of free will
 - Even the Sun is changed, only extinct remains are left that carry no life powers in thought that goes into the body
- Christ has united his own living being with deadness
 - Present within the Kingdom of Ahriman!
- Freedom (gift of Lucifer): choose either evolution-path defined by (1) Christ or (2) Ahriman
 - Michael is the time spirit who respects Man's freedom
 - Exerts no influence from his part upon man, only shows his path

THE CHANGING OF THE GUARD

- Spirits of Form led until 15th Century
- Now Spirits of Personality (Archai) begin to ascend to Exusiai level
- They do not intercede but wait for us to rise to them
- Michael?
- Nerves
 - Archangels
- Blood
 - Angels
- Mechanistic
 - Information





FULFILLMENT OF MICHAEL'S COSMIC MISSION

- Michael arranges the doings of the Gods, so that Man continues to exist in a “cosmic corner”
 - Archai are focused on moving on to Exusiai, Michael becoming Archai
- Michael administers the Intellectuality of the Cosmos
 - He desires the force which works as Intelligence throughout the Cosmos should become concentrated in the individuality of Man
 - To keep Intelligence, now growing up in mankind, in continuous connection with the Divine Spiritual Beings
 - Cosmos now lives by its **past** Intelligence as it descends to man
- Ahrimanic beings are pre-disposed to absorb intelligence
 - Especially that which is detached from the Gods
 - They grow to be the greatest, most comprehensive and most penetrating Intelligences in the whole Cosmos
- Mankind **MUST** come into contact with these Ahrimanic beings
 - They have power mainly over the rational mind and intellect
 - They cannot get hold of the emotions, nor the will and, above all, not the will impulses

SEVEN EPOCHS OF THE PHYSICAL REALM

1. Polarian
2. Hyperborean
3. Lemurian
4. Atlantean
5. Post-Atlantean

← What did we look like here?



1. Indian
2. Persian
3. Egyptian
4. Greek/Roman

5. 5th
6. 6th Russian
7. 7th American

← You are here

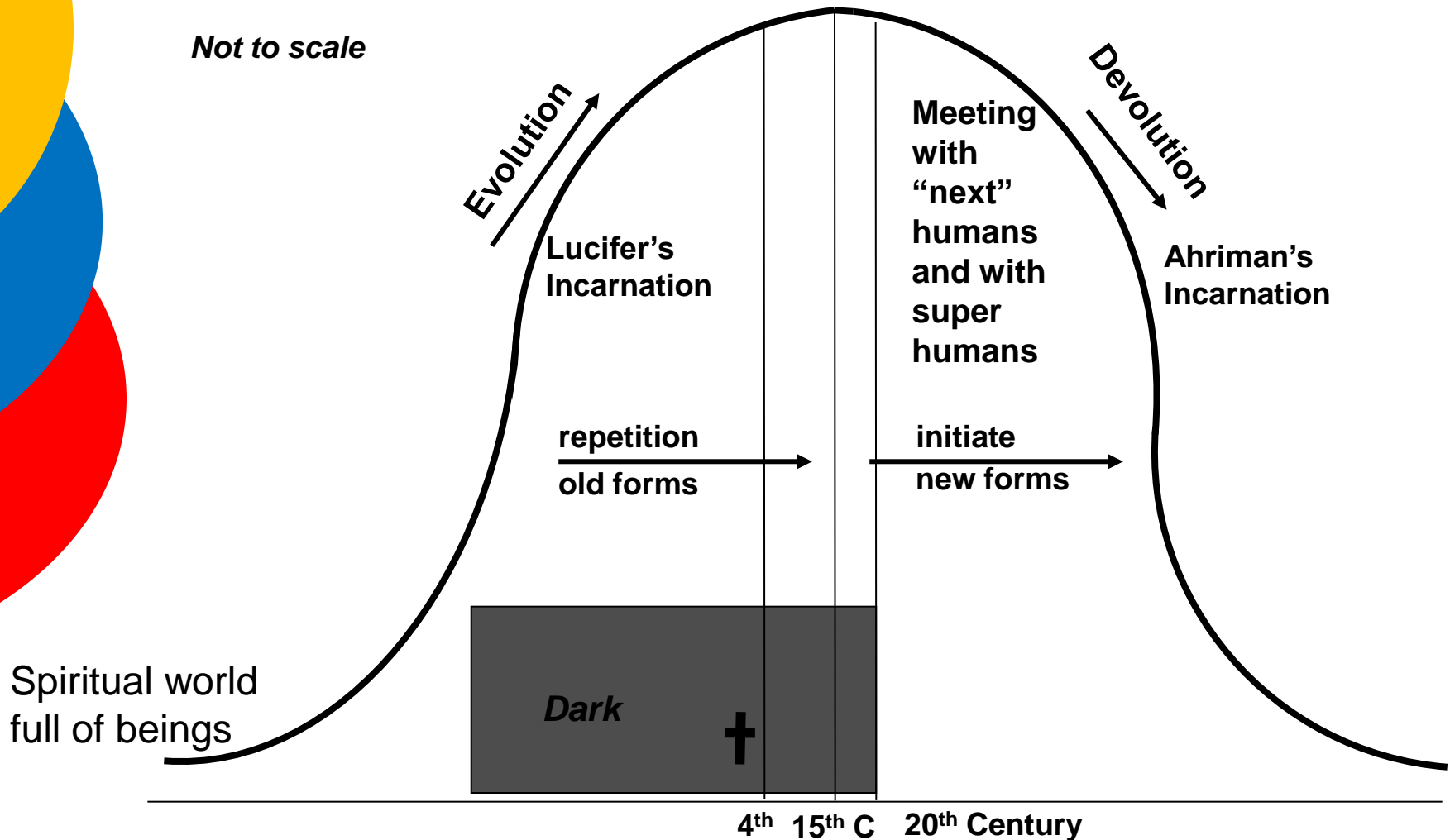
6. Sixth Epoch
7. Seventh Epoch

← What will we look like here?

The height of post-Atlantean culture is reached in the fifth epoch. What will follow in the sixth and seventh epochs will be a descending line of evolution.

Preparing for the Sixth Epoch, GA 159

POST ATLANTEAN HISTORICAL PICTURE





NOW IN DEVOLUTION – GET USED TO IT!

- “We really are no longer in this world to take care of our own organization; we do still incarnate, but no longer in order to take care of our own organization
- This organization evolved until the middle of the Atlantean age, or until ancient **Greek times** when, **human bodies were as perfect** as they can be during time spent on earth
 - Not until Jupiter will humans achieve a higher level of physical perfection
- Now, we are really here to be part of a **downward curve** of evolution, to incarnate in order to learn and experience all manner of things by the very fact that we are in **bodies which are dying, increasingly crumbling and withering** away
- The fact is that anything we **inwardly develop** and inwardly are, will **no longer** become **part of** the **outer physical body** to the same extent as it did in the past
 - The Exusiai are moving on ...
- Consequence of this will be **all kinds of changes in development”**

R. Steiner, *Fall of the Spirits of Darkness*, lecture 5, 7Oct1917, GA 177



ATTACHMENT OF A SECOND BEING

- “Let us be quite candid about the **trend of evolution**. A **different form of experience will come** to the man of modern times.
- “In his own opinion he knows everything so well; he observes the material world, uses his intellect to establish the interconnections between its phenomena and believes that all its riddles are solved in this way, never realizing that he is simply groping in a phantasmagoria. But this way of working coarsens and **dries up his ether-body**, with the ultimate result that the Ahrimanic powers, **like a second nature, will attach themselves to him now and in times to come**.
- “The Ahrimanic nature is strengthened by all the prejudices and limitations of materialism, and **a future can already be perceived when everyone will be born with a second being by his side, a being who whispers to him of the foolishness of those who speak of the reality of the spiritual world**.
- Accompanied by this second being, he will feel the **urge** to think materialistic thoughts, **to think, not through his own being, but through the second being who is his companion.**”
- Rudolf Steiner, *The Balance in the World and Man, Lucifer and Ahriman*, lecture 1, GA158



STEINER ON FACING HUMAN-MECHANICAL

- “The will is there **to harness human energy to mechanical energy**
 - These things should not be treated by fighting against them
 - That is a completely false view
 - These will not fail to appear; they will come
 - What we are concerned with is whether, in the course of world history, **they are entrusted to people who are familiar in a selfless way with the great aims of earthly evolution and who structure these things for the health of human being** or whether they are enacted by groups of human beings who exploit these things in an egotistical or in a group-egotistical sense
- It is not a question of **what**; the what is sure to come; it is a question of the **how**, how one tackles these situations”
- Rudolf Steiner, *The Reappearance of Christ in the Etheric*, lecture 12

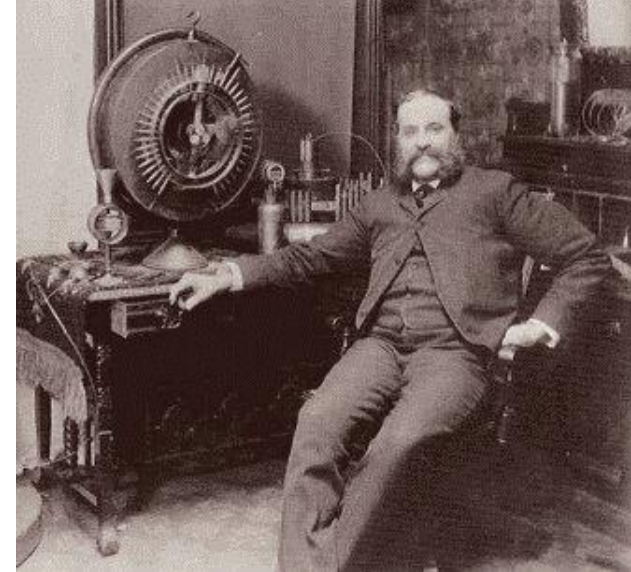
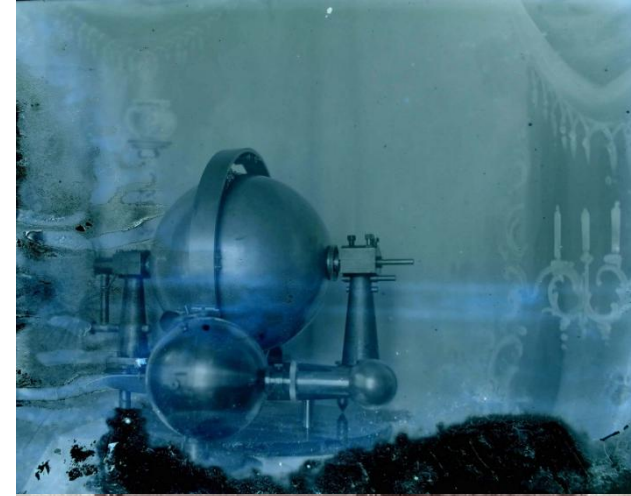
BRAIN MODEM

- Being developed by the US Army
 - DARPA's Neural Engineering System Design initiative
 - Already have [biodegradable implants](#) for the brain
- Provide unprecedented signal resolution and data-transfer wireless bandwidth between the human brain and the digital world
 - Connect to 1M neurons at a time
- Control your tank, car, or microwave just with your mind
 - Open conversation (hands-free phone call) simply by willing it
 - “Mom, I can’t talk with you right now!”
 - Would not telepathy be just behind?
 - Steer a drone with your thoughts and see what the drone’s sensors see—in real time
- “Potential for ‘fundamental new insights’ into how the brain works” -- Bradley Greger, neuroscientist Arizona State Univ

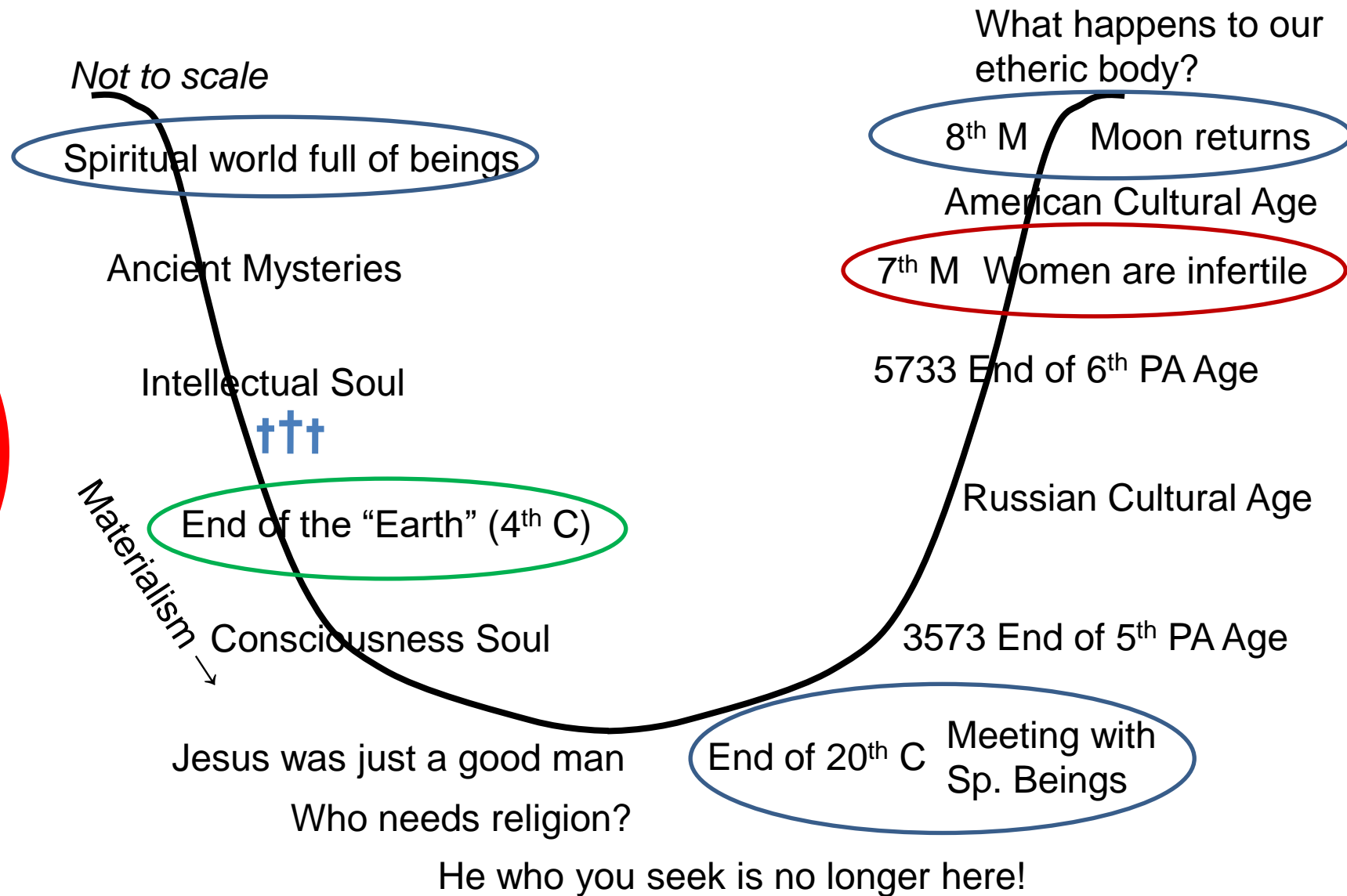


ATTACHED TO MACHINES WITHOUT WIRES

- Sympathetic Vibratory Physics
 - Bio-rhythms, moral rhythms
 - Fifth post-Atlantean period will have to solve the problem of how human moods, the **motions of human moods**, allow themselves to be translated into **wave motions on machines**, how **man must be brought into connection with what must become mechanical**
 - Keely Machine – operates by sympathetic vibrations
 - Stader Machine
- Remember: not the **What** but the **How**



THE ANTHROPOSOPHICAL BATHTUB





ENDING OF PHYSICAL BODIES

- “In a time not all that far ahead, possibly as early as the seventh millennium, all women will be infertile on earth
 - Due, in part, to the **withering and crumbling of human bodies**
 - The fact is that women will no longer be able to have children, even before the earth has gone through all its stages
- If the **relationships** that can only come into their own between the **inner life & the physical body** were to continue unchanged, people would ***no longer find anything to do on earth***
 - Human beings therefore have to find a different way of relating to **earthly existence** – the **final stages of earth evolution** will make it necessary for them to do without physical bodies and yet be present on earth”
- AL: Thus, the relationship between the inner life & the physical body must change, must find new *rhythm*-connection

R. Steiner, *Fall of the Spirits of Darkness*, lecture 5, 7Oct1917, GA 177



NO WORRIES – THIS IS A LONG WAY OFF, RIGHT?

- How many more incarnations left (*to resolve my karma*)?
 - 100s? See GA 100, Theosophy and Rosicrucianism, lecture 8
 - 1000s? $((6400-2016) / 2160) * 3 = 6 !$
- **Now non-human beings are descending** (since 1880) to earth from other planets
 - For example: the Great Teachers of Humanity from the Moon
 - They depend on entering into human **relationship** to further their own existence – found in one's **inner life**
 - Spiritual Science arises through the help of these beings
- **More and more of such beings** will move among us
 - **We need to understand them**, they will aid us
 - Transform our 'shadowy' intellect to living thinking → Imagination



PROCREATION IN 6TH AND 7TH PA AGES

- In the sixth Post-Atlantean Age of civilization, the human fertility which depends on the Powers of Light for its impulses will gradually come to an end
 - The **powers of darkness will have to intervene** so that the affair may continue for a time
- We know the seeds for the **sixth Post-Atlantean Age** of civilization lie in the **East of Europe**
 - The East of Europe will develop powerful tendencies which do not allow physical human reproduction to continue beyond the sixth period of civilization but, instead, let the earth enter into a form of **existence in soul and spirit**
- The other impulses for the **seventh Post-Atlantean Age** of civilization, in which procreation will be guided by impulses from the **cast-down Angels**, will come from **America**
 - What kind of bodies are these?

R. Steiner, *Fall of the Spirits of Darkness*, lecture 14, 28Oct1917, GA 177

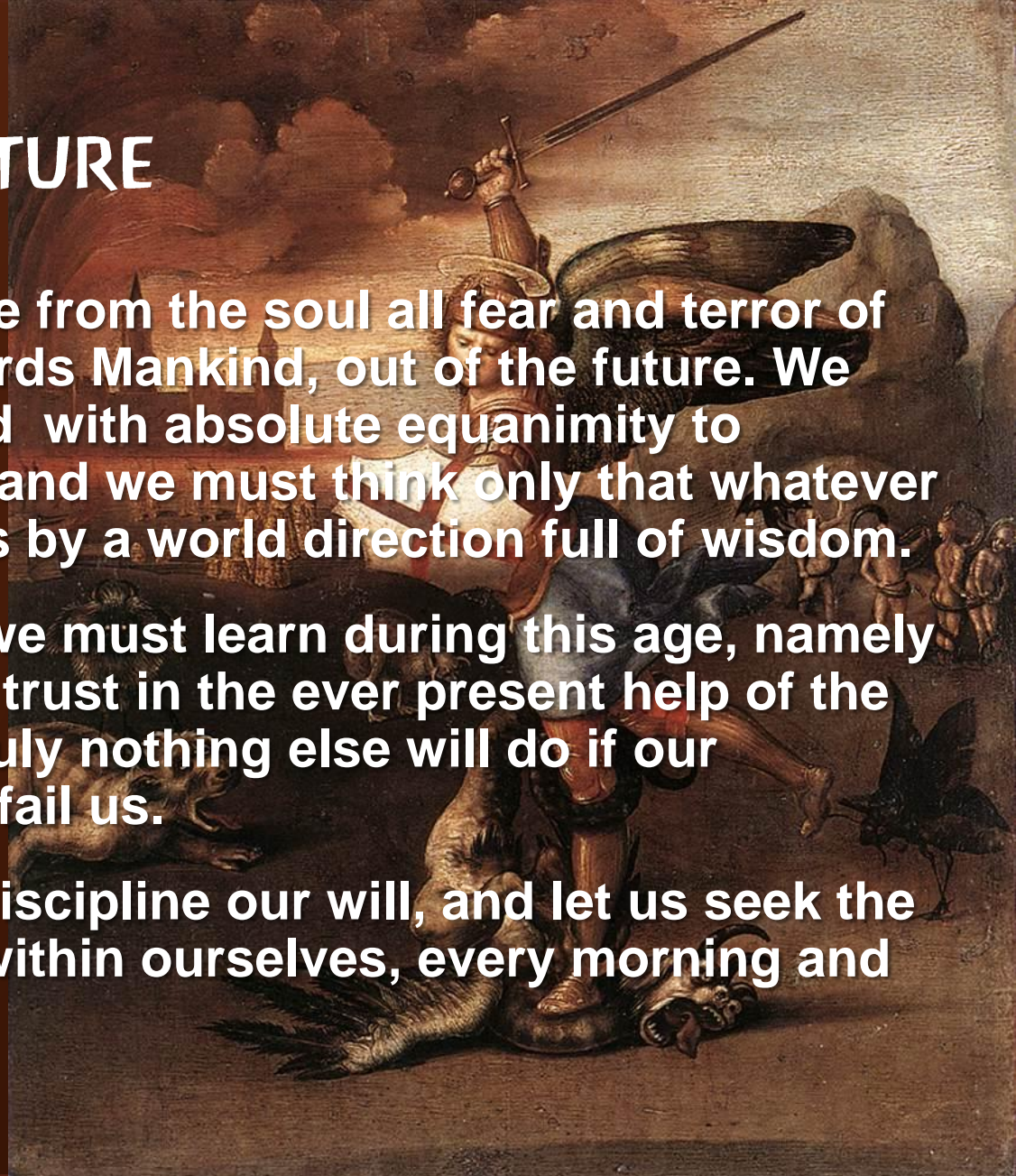
WHAT WILL LIFE BE LIKE IN THE 8TH MILLENIUM?

- Women will already be infertile
 - Without procreation, will today's physical body cease to exist?
 - Or will all babies be “test tube” babies?
- Moon will recombine with Earth
 - Forces and beings
- Our thoughts today become the earth's new reality
 - What has no reality today will become reality then
 - Because we can think only of the material:
 - **New beings** between mineral and plant kingdoms
 - Resemble automatons
 - Over abundant intelligence
 - Connected network like spiders

FACING THE FUTURE

- We must eradicate from the soul all fear and terror of what comes towards Mankind, out of the future. We must look forward with absolute equanimity to whatever comes, and we must think only that whatever comes is given us by a world direction full of wisdom.
- It is part of what we must learn during this age, namely to act out of pure trust in the ever present help of the spiritual world; truly nothing else will do if our courage is not to fail us.
- Therefore let us discipline our will, and let us seek the awakening from within ourselves, every morning and every evening.

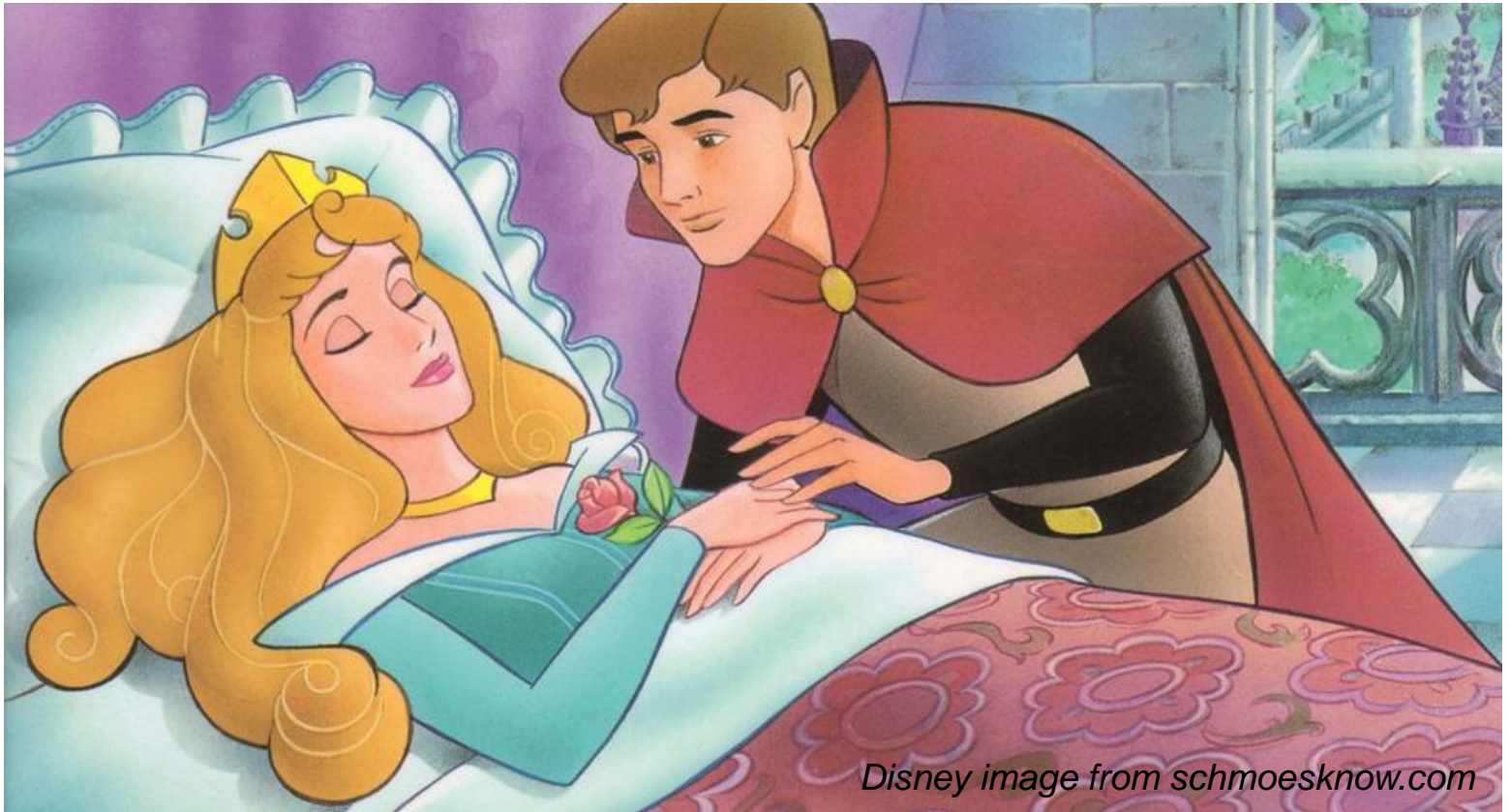
Rudolf Steiner



spirit

soul

life



WHAT ABOUT THE SOUL?

Thinking, Feeling, and Willing

OUR “THREE” SOULS

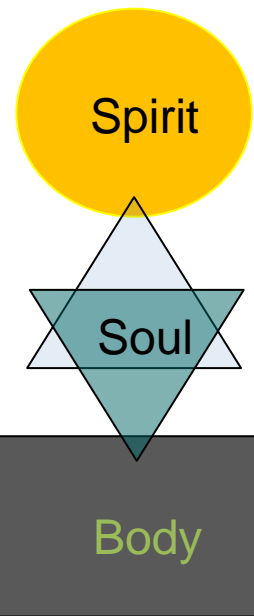
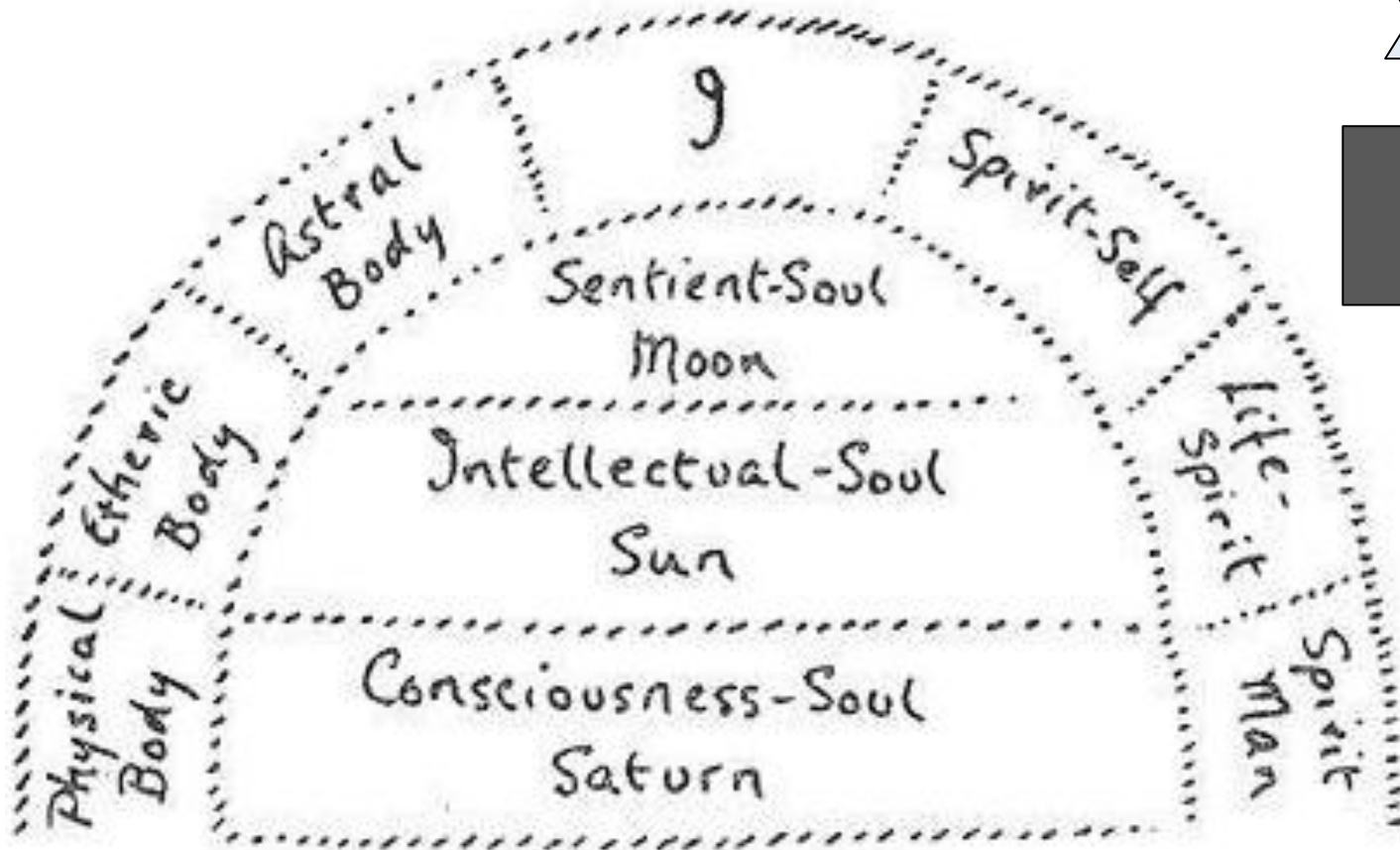
- **Sentient soul:** the ‘darkest depths’ of the soul, where the soul is still subject to emotions of fear, terror, anxiety and hope, and to the whole gamut of pleasure and pain, joy and sorrow
- **Intellectual soul:** achieved when the ego assimilates external impressions and quietly allows that which emerges in the sentient soul to live itself out and find equilibrium
 - Inner truth, as we may call it, arises in the **intellectual soul**
- **Consciousness soul:** what it has gained on its way to the intellectual soul is then worked on further by the ego thereby *raising itself* to become consciousness soul
 - Where for the first time a **clear knowledge of the ego** is possible
 - Where man is led out from inner life to a real knowledge of the world
- *R. Steiner, Metamorphosis of the Soul, What is Mysticism?, 10Feb1910, GA59*



Does
tech
help or
hinder?

BODY – SOUL – SPIRIT DIAGRAMS

Apocalypse of St. John, lecture 9





TODAY'S MISSION: CONSCIOUSNESS SOUL

- Begins with Ego at home in the intellectual soul
 - Shuts itself off from sensory inputs (closed windows)
 - What happens to development of fraternity?
 - Social media today facilitates a voiceless social life
 - Creates “memory” as a text/photo record
- Becomes “the soul within the soul”
 - Distinct from the intellectual soul
 - IS remains entangled in sensations, impulses, and passions
- CS finds a *permanent truth* that has freed itself from all flavors of sympathy and antipathy of feeling
 - The truth is true even if all personal feelings revolt against it
 - (*this may even be true for you concerning this talk's content*)
- That part of the soul in which this truth lives is the consciousness soul. – Steiner, *Theosophy*, The Essential Nature of Man, Body, Soul and Spirit

FROM RATIONALISM TO RELATIONALISM

+ EL

Carmine Gorga

- Typifies Consciousness Soul development in our times

Our Powerful Soul

- Telephone
- Facetime/Skype
- Virtual Reality
- Overcomes spatial dimensions



OVERCOMING THE COLD CONSCIOUSNESS SOUL

A true Science will behold in Christ the primal and eternal **Logos**

He works for the **evolution of the Spirit-Being** of Man

Turns the human heart in **love** towards great **cosmic connections**

Fires with its warmth Consciousness Soul's cold element of Light

Such is the stream of Cain to understand and use such fire, enthusiasm

Were the Consciousness Soul condemned to remain unwarmed by such fire, Man could never attain to its transformation in the Spirit

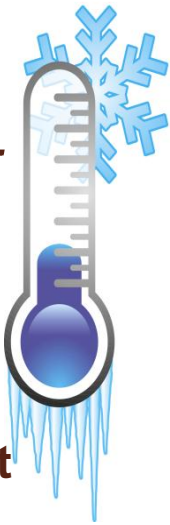
He would either *perish in the cold of intellectual consciousness*, or would be condemned to *remain in a form of spiritual life which never progresses to the evolution of the Spiritual Soul*

But the Consciousness Soul is not, of its own being, cold

It only appears so at the beginning of its evolution; because at **the beginning it can only display the Light-element that is in it, and not as yet the World-Warmth**, from which it nevertheless proceeds

The deliverance of Man is accomplished **in the fields of Earth** from those powers who would draw him away from his source and origin

-- *Michael Mystery*, lecture 14





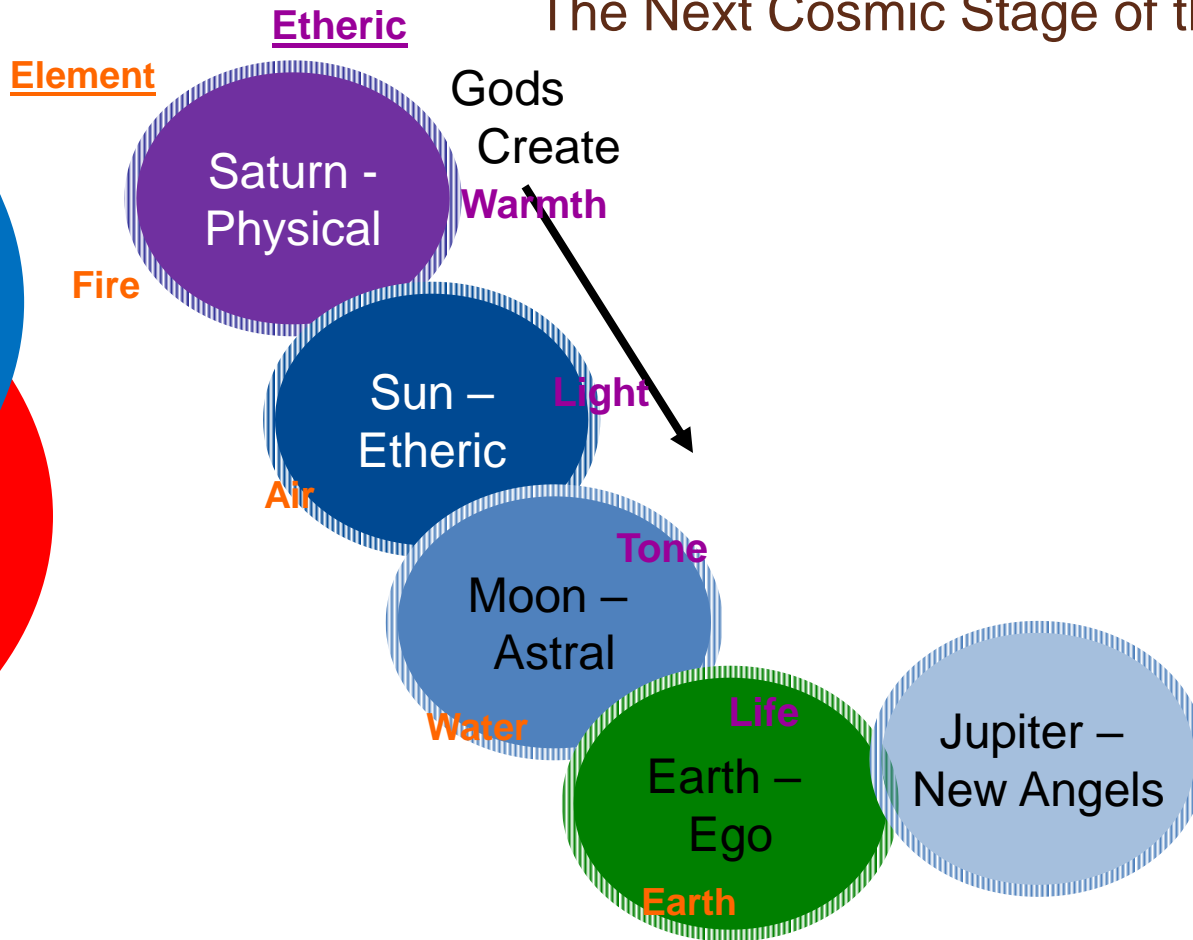
BODY AND SOUL TODAY

- “Bodies are walking around, and the soul is not entirely inside them – why?
 - Because it is no longer the soul's task to enter fully into the body, which is beginning to crumble away; instead **the soul's task is to prepare for what will happen on Jupiter**
 - Our souls are even now making preparations for this future ...
- We have the task of using all our **powers of insight** and all our **inner strength** to become **aware** of the **essential element** in us ***which can no longer give itself completely to the body, nor penetrate the whole body***
 - We must see ourselves as candidates for the **Jupiter Age**”

R. Steiner, Fall of the Spirits of Darkness, lecture 5, 28Oct1917, GA 177

WHAT IS MEANT BY THE JUPITER AGE?

The Next Cosmic Stage of the Human Condition





(The fulfillment of the Sons of Fire)

THE WESTERN PATH

spirit

soul

life



Rudolf Steiner



SPIRITUAL SCIENCE PERSPECTIVES

"One must not disclaim the world when one wishes to rise higher; an ascetic fleeing from the world does not serve clairvoyance. **Clairvoyance is the fruit of what the soul collects in the sense-world.** Greek philosophy beautifully compared the human **soul with a bee**. The world of color and light offers the soul honey which it brings with it into the higher world. **The soul must spiritualize sense experience and carry it up into higher worlds.**"

The Origin of Suffering, Origin of Evil, Illness, and Death, GA 55 – Berlin, 22nd November 1906



CONFRONTING AHRIMAN

- “In an **ether-body** that has been **parched** by materialism, Ahriman will be able to dwell
- “It is our duty to **educate children** in the future in such a way that they will be competent to understand the spiritual world
- “The **ether-body must be quickened** in order that the human being may be able to take his rightful stand, fully cognizant of the nature of the being who stands at his side
- “If he does not understand the **nature of this second being**, he will be spellbound by him, fettered to him”
- “We, in our age, must get the better of Ahriman by **enriching the Ego with the wisdom** that can be born only from knowledge and investigation of the spiritual world, i.e. from Spiritual Science”

Rudolf Steiner, *The Balance in the World and Man, Lucifer and Ahriman*, Lecture 1

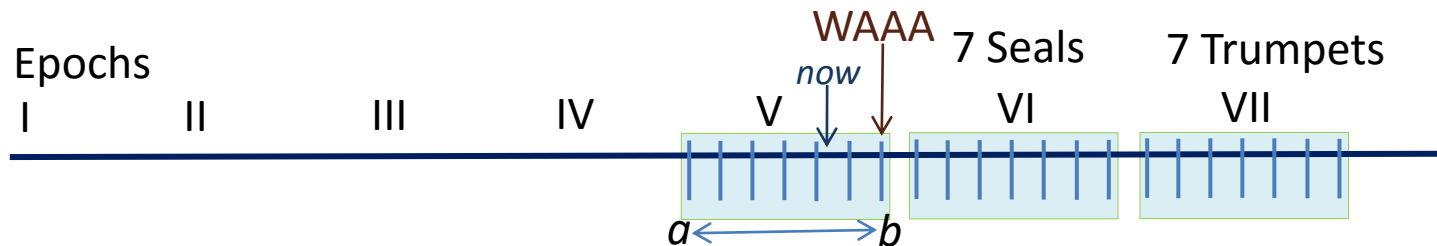


FACING A FUTURE WITH MACHINES (THE WESTERN PATH)

- “All that is present in the world today in terms of machines and instruments and is set in motion [to serve the **principle of utility**] will evolve into terrible, horrifying demons”
- “This can be stopped if we transform the utilitarian apparatus into something that also **proclaims beauty or the Divine.**” [*not the what but the how*]
 - Both helpful & harmful intelligent mechanized beasts
 - Through Pisces & Virgo (help) or Gemini & Sagittarius (harm)
 - Will it help us to see more clearly what the HB is?
- “Our feelings of **fear** are **nourishment** for evil beings.” — *Jan.26, 1908, Berlin, GA 245*

WAR OF ALL AGAINST ALL

- “In the **seventh epoch** of civilization, this War of All Against All will break out in the most terrible form.
- “Great and mighty forces will be let loose by the discoveries, turning the whole earth-globe into a kind of [self-functioning] live **electric mass**.
- “In a way that cannot be discussed, a tiny handful will be protected and preserved.”
- R. Steiner, *The Atom as Coagulated Electricity*, GA 93, 24 Dec. 1904



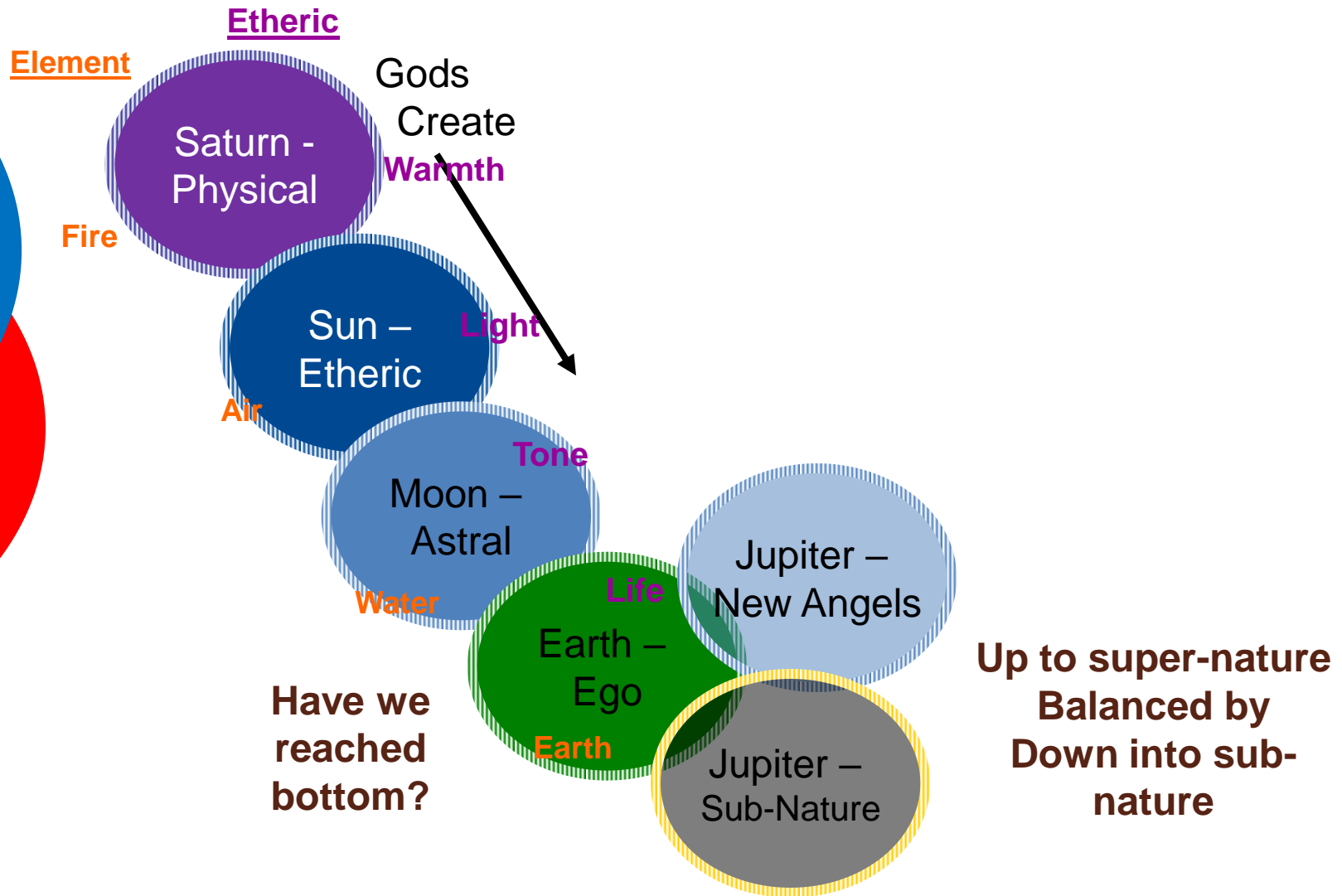


FUTURE AGES AND EPOCHS

- 6th PA Age (Russian) will found civilization after WAA
 - Founds the 7 Seals' civilization, not the last (7th = American)
 - 5th Atlantean race founded PA cultures
 - Western Path: Taking on Evil (Mission of Mani)
- 6th Epoch: Live in a **Descended** Astral World (7 Seals)
 - Current images, expressions, manifestations
 - Unable to hide anything
 - Show good and evil in their faces – *but what will be our face?*
 - Evil man will express his evil, a good man will express the good
- 7th Epoch: Live in a **Descended** Devachan (Heavenly)
 - Impossible to hide what is in one's soul even in speech
 - Thought no longer remains dumb – becomes Word
 - Goal: All earthly beings become an astral heavenly body
 - Physical substance will be 'dissolved' as Archai achieve Atma
 - Countenance and words of beings as expression of Christ

Rudolf Steiner, *The Apocalypse of St. John*, Lectures on the Book of Revelation, 12 lectures from 17 to 30 June 1908

NEXT COSMIC STAGE OF THE HUMAN CONDITION



THE HUMAN STAGE IN OLD MOON

- On Old Moon the Angeloi were at the human state
 - Their appearance was quite different from ours
 - Quite different conditions existed
 - We developed to an advanced pre-state of the Earth evolution
 - We became a troublesome concern for the Angeloi
- On Earth, Angeloi were able to use our bodies as an avatar
 - Incorporation – not incarnation

The Mission of the Archangel Michael, V, The Michael Deed and the Michael Influence as Counter-pole of the Ahrimanic Influence, November 29, 1919



OVERLAPPING EVOLUTIONS

- In our **descending evolution** (now underway) the Jupiter Humans arise
 - On Jupiter, they will have advanced to a new & different form of human
 - These Jupiter men exist already now just as we existed upon Old Moon
 - They exist not externally visible but as supersensible beings
- We become responsible for them similarly to how angels became our guardian angels



The Mission of the Archangel Michael, V, The Michael Deed and the Michael Influence as Counter-pole of the Ahrimanic Influence, November 29, 1919



NOW ENTERING THE EARTH STAGE

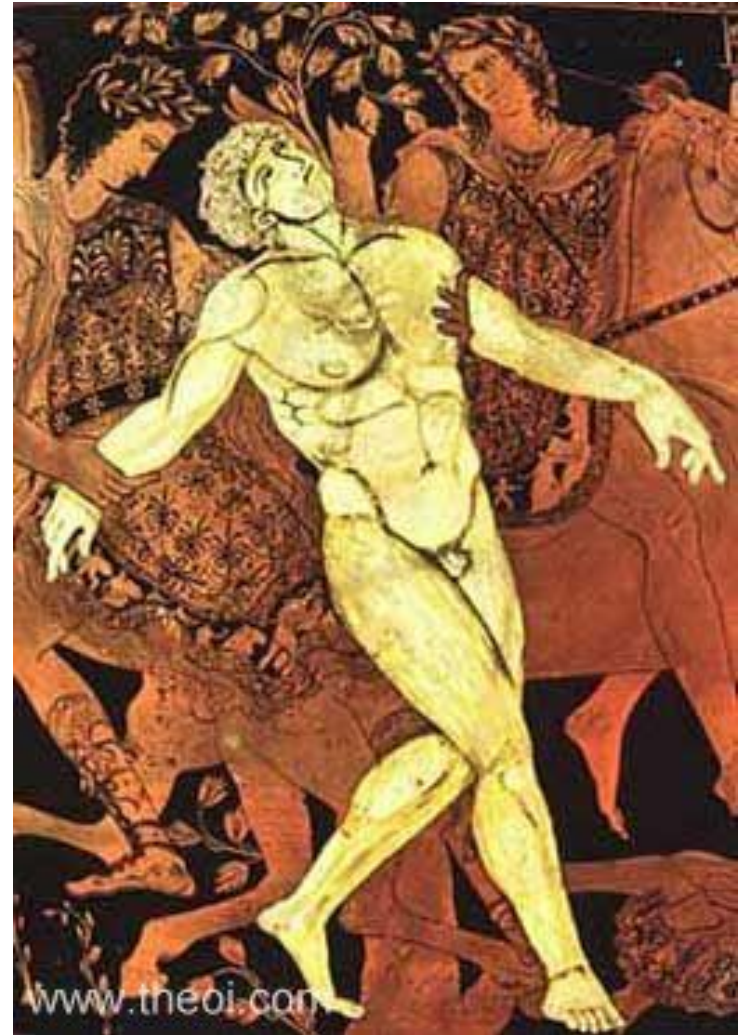
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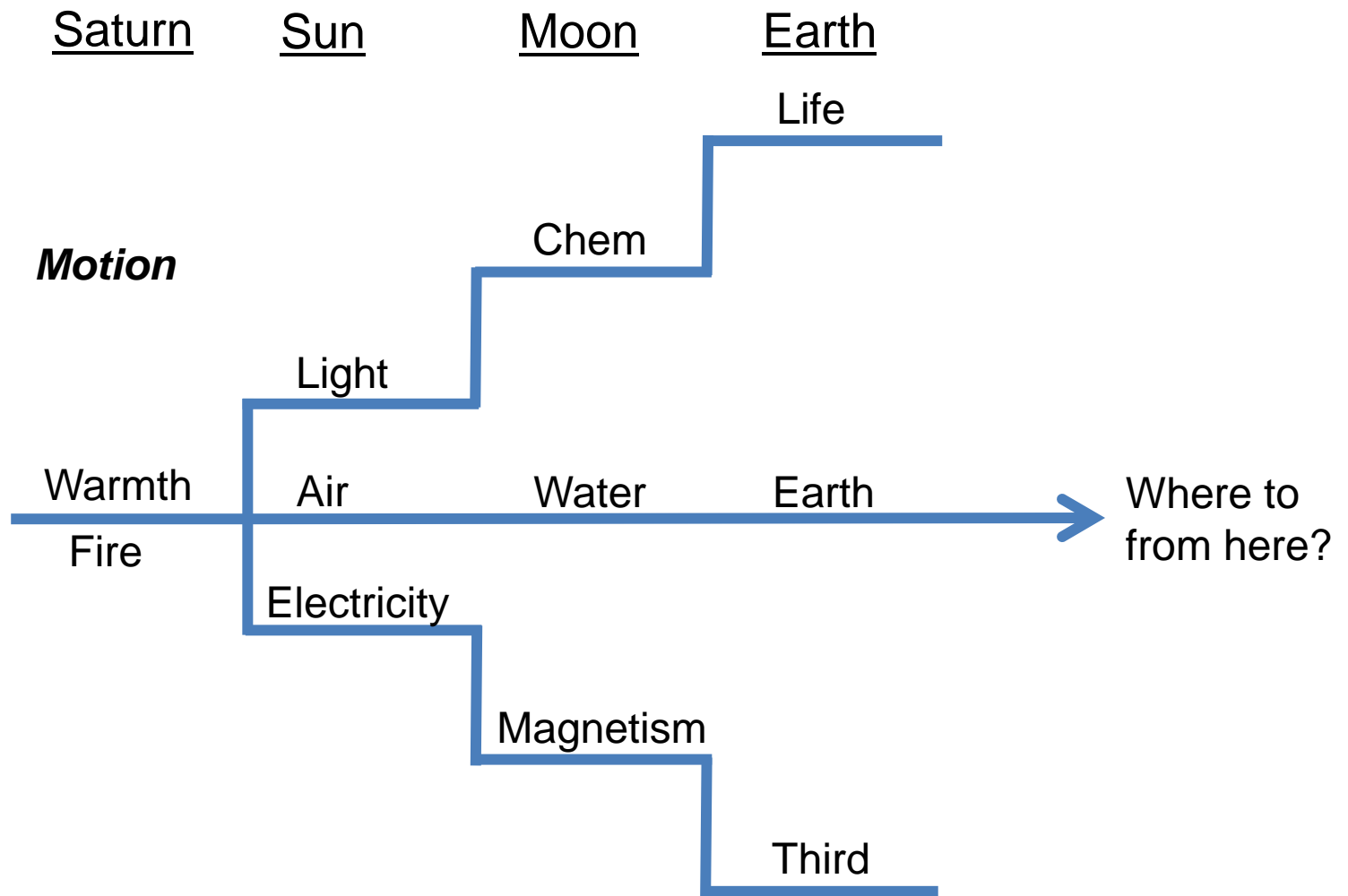
- **Earth evolution has entered its *descending* phases**
 - Other beings make themselves felt
- “We have already entered the period of Earth evolution when **certain beings make themselves felt who upon Jupiter** will have advanced to the form of man, a different form of man, to be sure, but which, nevertheless, may be compared with the being of man”
 - “For we will be different beings on Jupiter”
- **“These Jupiter-men exist already now**
 - **Just as we existed upon the Moon**
 - **They exist, of course, not externally visible**
 - Supersensibly these beings are very decidedly present”
 - R. Steiner, *The Mission of the Archangel Michael*, The Michael Deed and the Michael Influence as Counter-pole of the Ahrimanic Influence, 29Nov19

SHOULDN'T WE TEST DRIVE THESE JUPITER BODIES?

- Get it right before asking new beings to drive them
- Man-Machine Hybrids
- Ability to drop into the controls as an avatar
- What kind of world will they experience?

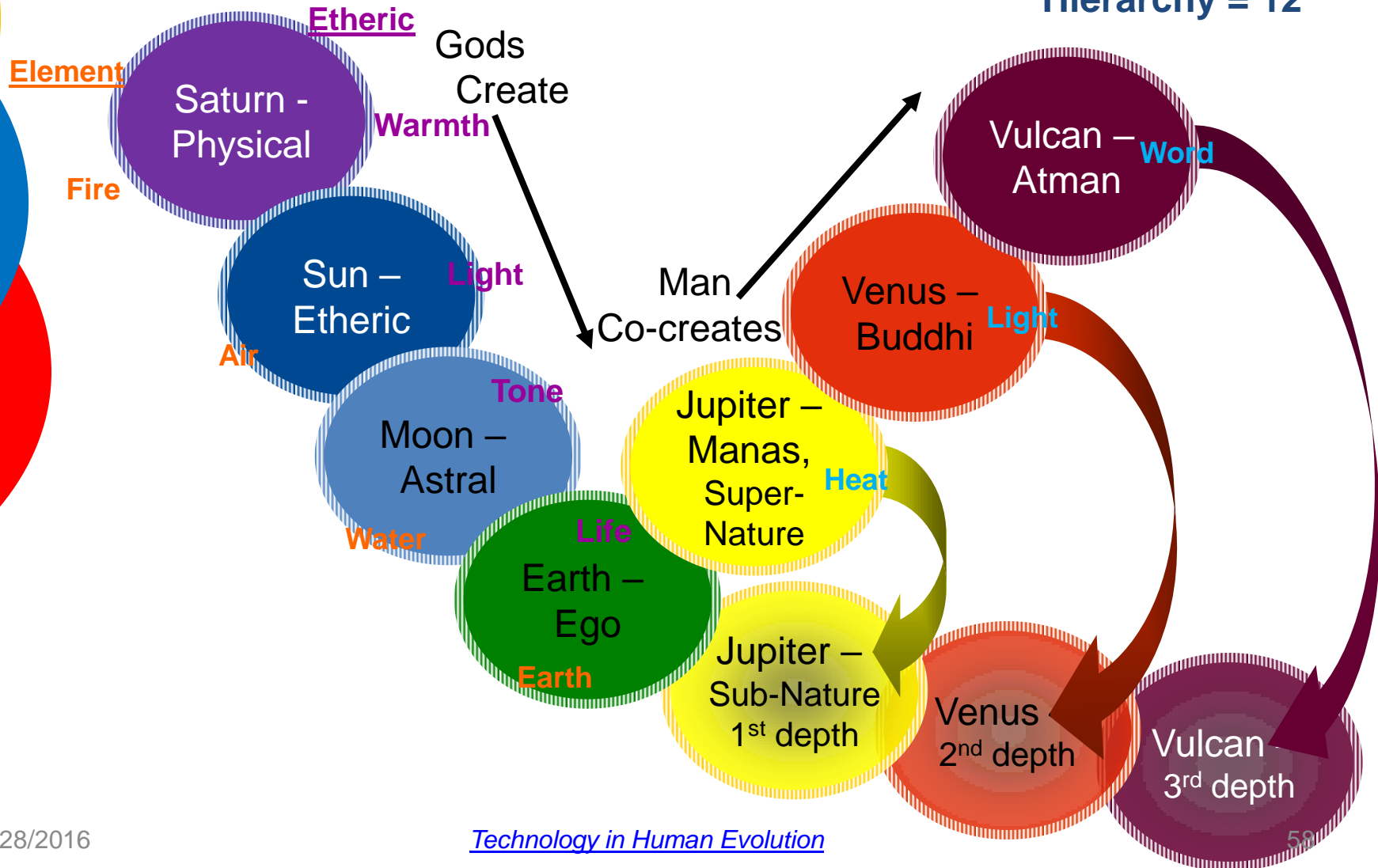
Automaton Talos, Athenian red figure Krater 4th C B.C., Jatta Museum, Ruvo





7 STAGES OF HUMAN CONDITION

Hierarchy = 12



GIFTS OF TECHNOLOGY

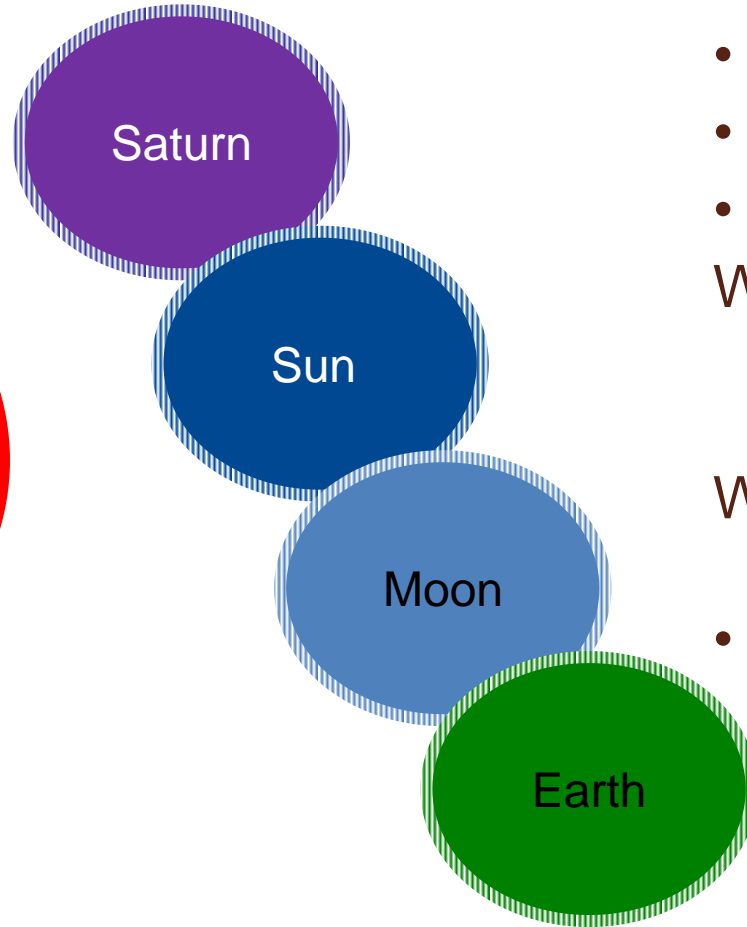
- Emancipation
 - Labor, typing, reading, ...
- New ways of establishing relationships
 - Must permeate these with spiritual science
 - Man-Machine interface through sympathetic subtle vibrations
- Lifts the Veils of Materialism
 - Dead vs living thinking
 - Intelligence vs Wisdom
 - Analysis vs Creativity
 - Supremeness of consciousness
 - More than intelligence
 - Consciousness soul “discovers” its ego (not in AI or robots)

What is it NOT?

- Companion?
- 12 senses?
- Living?
- Soul?
- Spirit?



EVOLUTION OF WHO-AM-I?



- Once, all was one – warmth
- Sun: minerals separated out
- Moon: plants separated
- Earth: animals separated

What is the true human level?

- Consider both Earth and Heaven
- Earth forces: desires, instincts

When I consider my *inner life*, TFW, we are these – they are 'I'

- What happens during Jupiter?
 - Descent of Devachan done
 - Ascent of mankind (~ all of it)
 - Role of Technology to enable the ascent: earth emancipation
 - Know thou thyself!



CONCLUSION: THERE IS A SOCIAL FUTURE *BUT VERY DIFFERENT FROM WHAT WE KNOW TODAY*

1. **Western destiny is with technology especially machines**
 - It actually is a battle for the etheric realm and for elementals
 - Many dangers prevail crying in the wilderness
 - Nanotechnology, e.g., is a dangerous frontier
 - Time to fully wake-up, know what truly is the human being and earth
 - We must go this path but not lose what it is to be a Human
 - Fear or hatred of the future feeds Ahriman
 - Parallel development of spirit and body for Jupiter-Men underway
 - Beginning through the will, Man's contact with and responsibility for Jupiter-humans will increase
2. Man must be a **balance** of sub & super Nature, dark & light, male & female wisdom, and other polarities
 - New mysteries arise through this balance
 - Who will build the **new Masonic mysteries**?
3. Man will **co-create Jupiter** and beyond
 - “Oh Man, Know Thou Thyself” itself evolves
 - We start now becoming the guardian angels to the Jupiter-human

WALDORF SCHOOL ROBOTICS

Huh? – Waldorf School Robotics?

Congratulate the PolyGnomes!

- Green Meadow's robotics team
 - Coaches: James Madsen & Lisa Krogh
- Results:
 1. Won 50 of 58 matches
 2. Hold several tournament scoring records
 3. Won all qualifying tournament championships
 4. Finalists in regional championships
 5. Received two prestigious judged prizes:
 - PTC Robot Design Award
 - Rockwell Collins Innovate Award
 6. #2 at Eastern Super Regional in Scranton, PA
 - Against 72 best teams on the east coast, from Virginia to Maine
 - Beat elite schools specializing in STEM and teams heavily supported by technology companies
 7. #5 at World Championship in Saint Louis, MO April 22-25
 - Top 2% of teams in the country, plus 30 international teams
 - 4500 teams from around the world
- ***This is what is needed for the mankind's evolution***





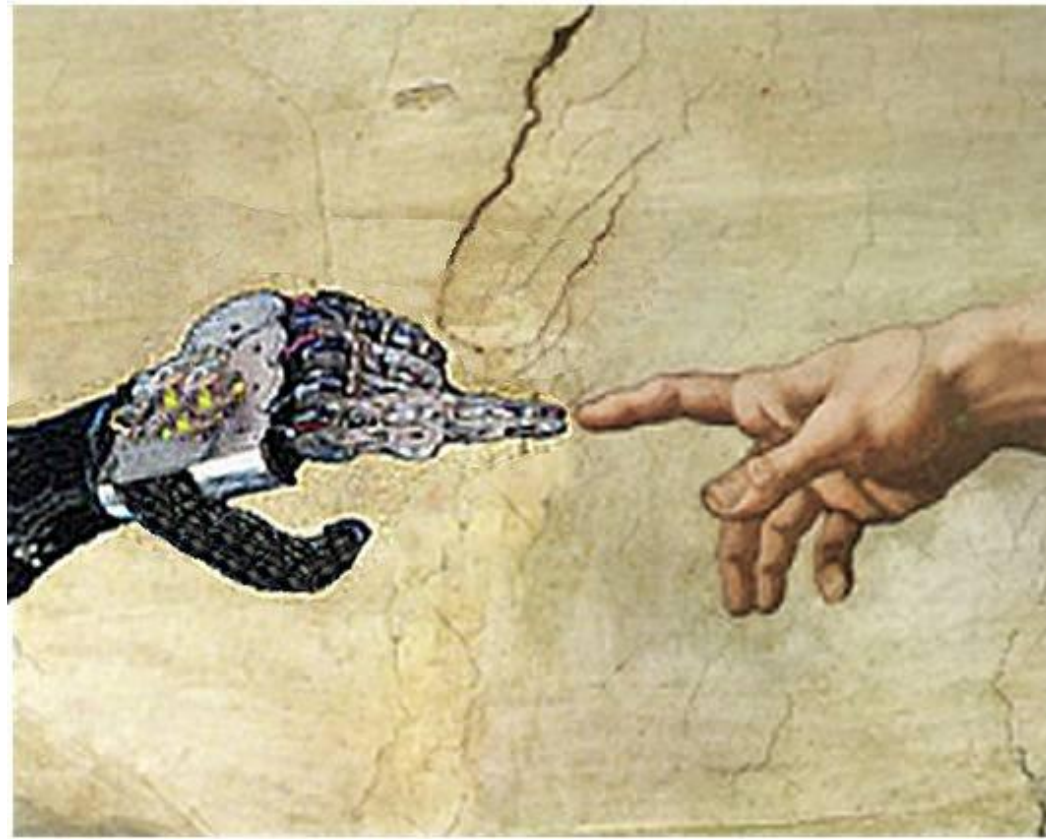
WALDORF SCHOOLS AND STAR WARS

- “I put the Force into the movies in order to try to awaken a certain kind of spirituality in young people.” – George Lukas
- The Waldorf Connection: Dr. Douglas Gabriel, <http://cosmicconvergence.org/?p=12970>

spirit

soul

life



END PART 3



10 MINUTE BREAK

Man is guided and led by Beings higher than himself. He can come to a knowledge of these higher Beings, they have their influence upon him. It will therefore not be difficult to see that not only has man, as he stands before us, been created out of worlds that go as far as the third super-sensible consciousness, but he has connection also with yet higher worlds. Christiania, 12Jun1912



Rhythm, Vibrations

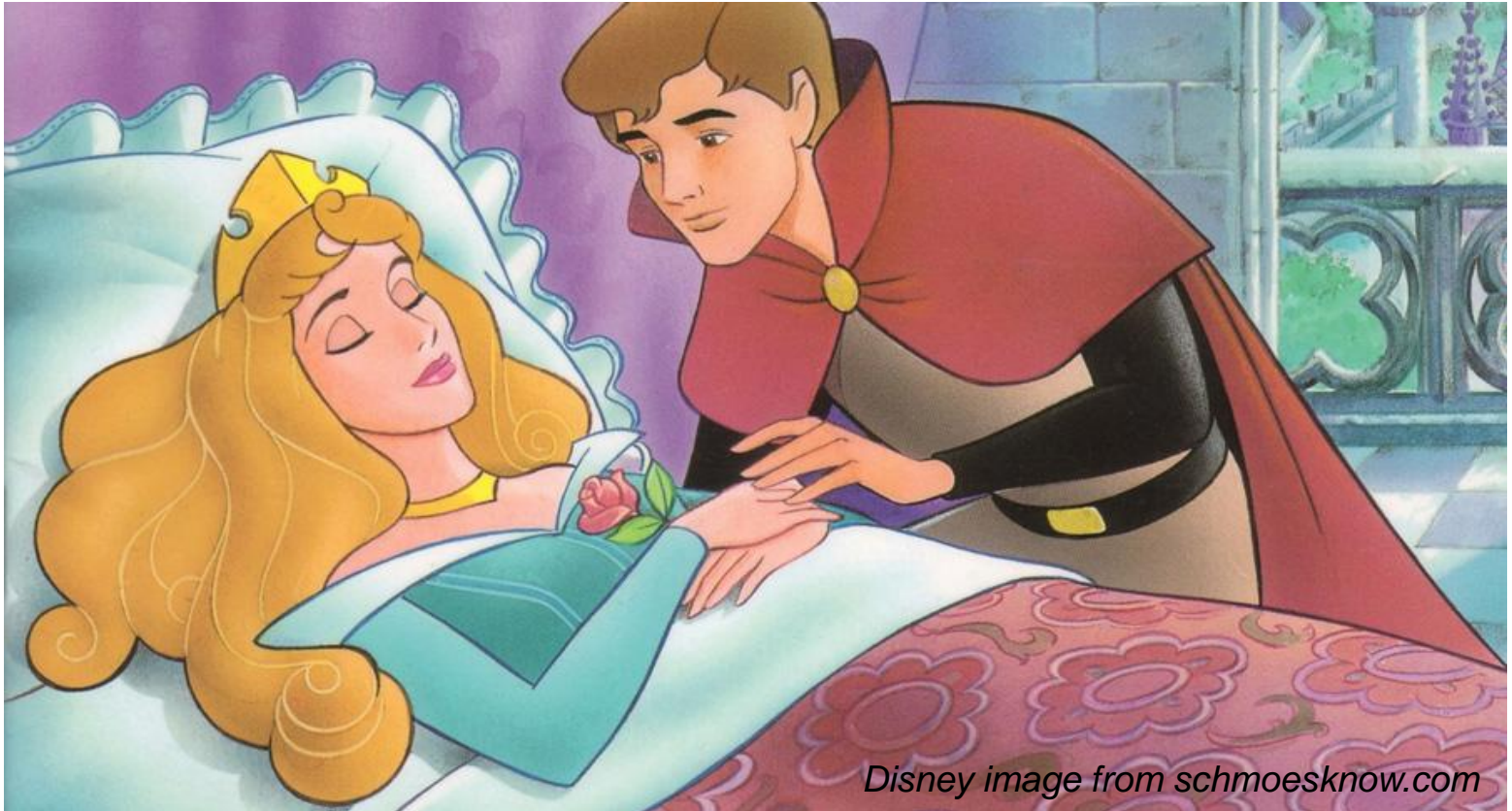
ELECTRICITY AND EVIL

THEMES

- Overcoming Fear
- 1. Mythology
- 2. Soul and Machine



- 3. Evolution
- 4. Electricity and Evil**
- The Western Path



Briar
Rose

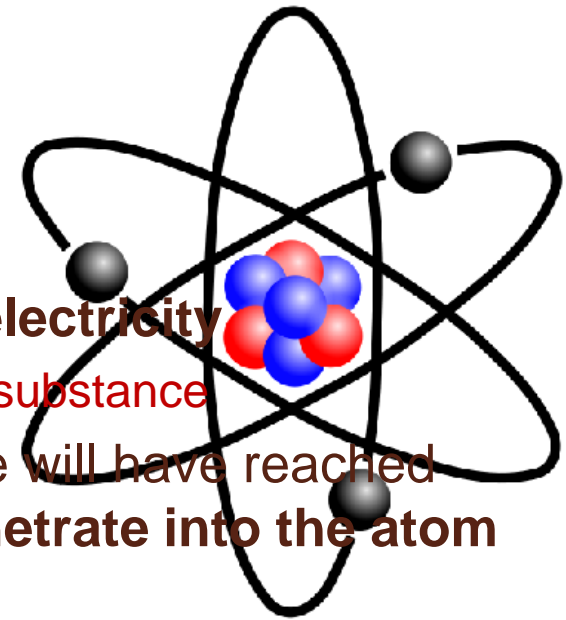
Disney image from schmoesknow.com

ELECTROMAGNETISM AND MACHINES

- <https://www.facebook.com/1507529206213982/videos/1519998604967042/>



WHAT IS THE ATOM?



- **The atom is nothing but coagulated electricity**
 - Thought itself is composed of the same substance
- **Before** the end of the 5th PACA, science will have reached the stage where man will be able to **penetrate into the atom itself**
- When the **similarity of substance between the thought and the atom** is once comprehended, the way to get hold of the **forces contained in the atom** will soon be discovered
 - Then nothing will be inaccessible to certain methods of working
 - It is impossible to conceive what might happen if mankind has not, by then, reached selflessness
- The **attainment of selflessness** alone will enable humanity to be kept from the brink of destruction



CONCERNING ELECTRICITY

- “When ***we transform*** an atom into an electron, we do not transform it into a moral, but into an IMMORAL entity!
 - Electricity contains, to be sure, moral impulses, impulses of Nature, but these impulses are IMMORAL; they are instincts of evil, which must be overcome by the higher world
- If we look upon light as electricity we confuse good and evil
 - The greatest contrast to electricity is LIGHT
- We lose sight of the true conception of evil in the order of Nature, if we do not realize that through the electrification of the atoms ***we transform them into carriers of evil***”
 - R. Steiner, *Concerning Electricity*, 28Jan1923, GA220



CONCERNING ELECTRICITY

- “When we think of them as atoms, in general, **when we imagine** matter in the form of atoms, **we transform** these atoms into **carriers of death**; but when **we electrify** matter, Nature is conceived as something evil
 - For electric atoms are [then] little demons of Evil
- This, however, does not tell us much; for it does not express the fact that the **modern explanation** of Nature set out along a path that really **unites it with Evil**
 - When we listen to a modern physicist blandly explaining that Nature consists of electrons, we merely listen to him explaining that Nature really consists of little demons of Evil!
- And if we acknowledge Nature in this form, we raise Evil to the rank of the ruling world-divinity”



ANTHROPOSOPHY AND ELECTRICITY

- “If Anthroposophy were to adopt a fanatic attitude, if Anthroposophy were ascetic, it would thunder against the modern civilization based on electricity
- Of course, this would be nonsense, for only world-conceptions that do not reckon with reality can speak in that way
 - They may say: “Oh, this is ahrimanic! Let us avoid it!” — But this can only be done in an abstract way
- We cannot shut our eyes to the fact that we must live with Ahriman
 - But we must live with him in the right way, that is to say, we must not allow him to have the upper hand”

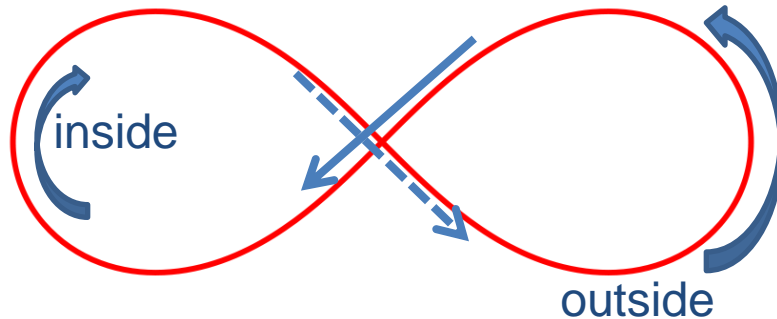
– R. Steiner, *Concerning Electricity*, 28Jan1923, GA220



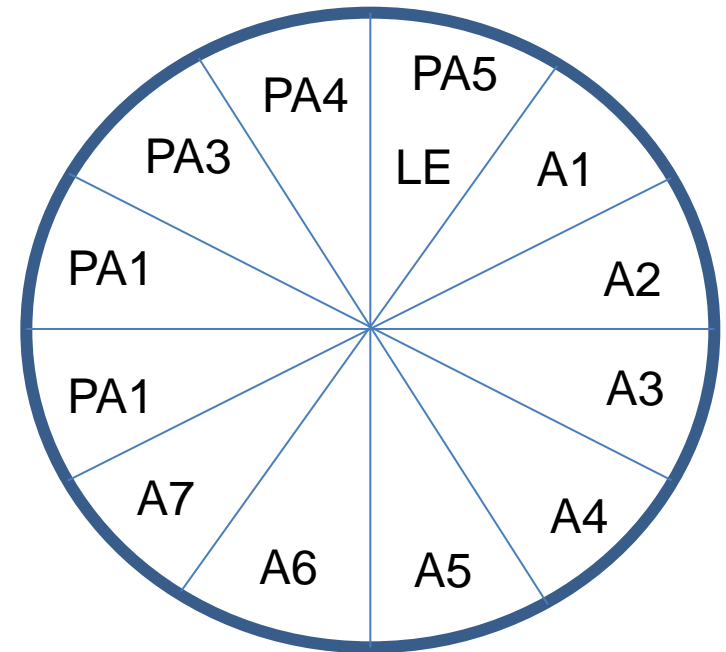
WHAT WILL BE OUR FUTURE WORLD?

- **“What is now around you will become your *inner life*.**
 - “You will take into yourselves what is now the mineral kingdom and it will become part of your inner being; similarly the plant kingdom.
 - “What surrounds you in nature will become your inner being
- **“What we ourselves prepare and make ready in the world — that is what will constitute our future existence**
 - What you yourself place into the world becomes **the consciousness** that the world will give back to you
- **“What we do with the mineral world, with the plant world, with the animal world, and with men, that we shall surely become”**
 - “If you found a charitable institution or have contributed something to its foundation, what you have contributed will become an integral part of you”
- R. Steiner, *The Atom as Coagulated Electricity*, GA93

IN TO OUT AND OUT TO IN



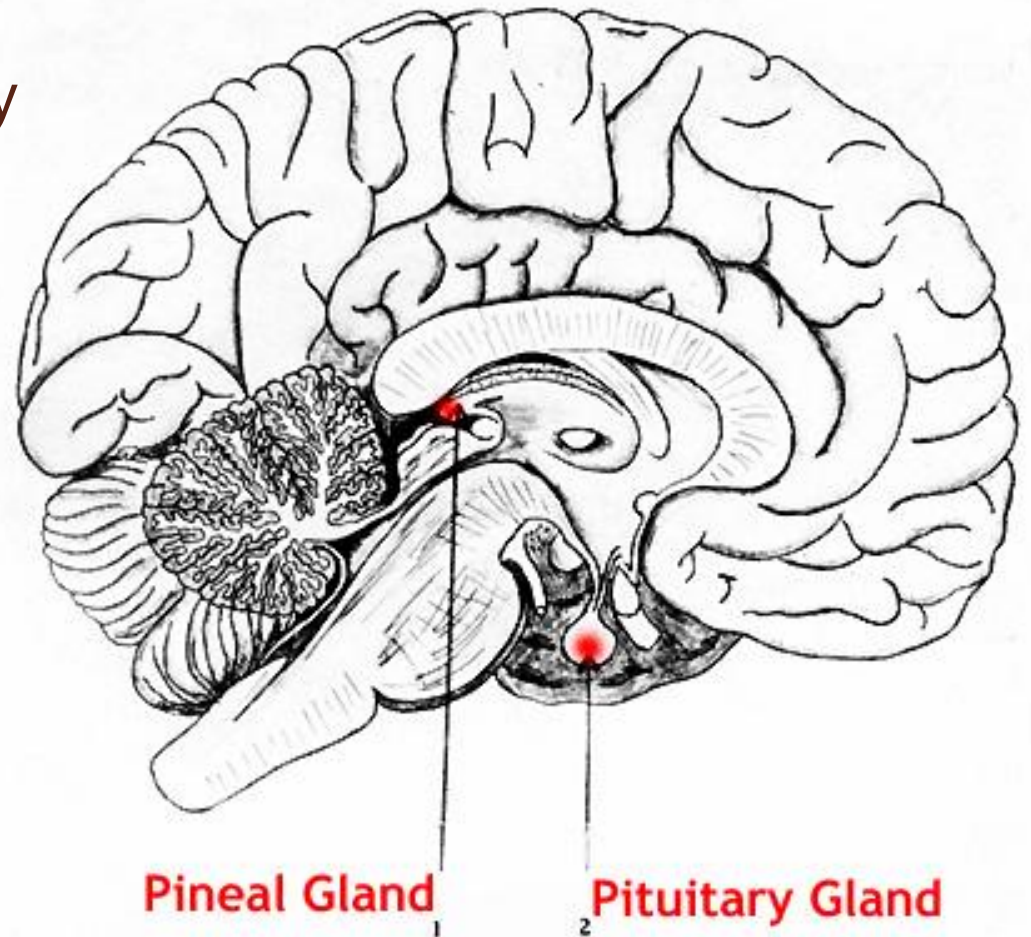
- During Lemuria, electricity existed outside of body
 - As it became inside, we passed through the mid-point
- In the 18th century the crossing point was reached
- Now electricity moves from within to the outside
 - Homes with “nerves”, robots, future bodies
 - Will activity, hand movement, EMR



G. Wachsmuth, The Evolution of Mankind, 1961

ELECTRO-MAGNETIC RADIATION

- My own sensitivity



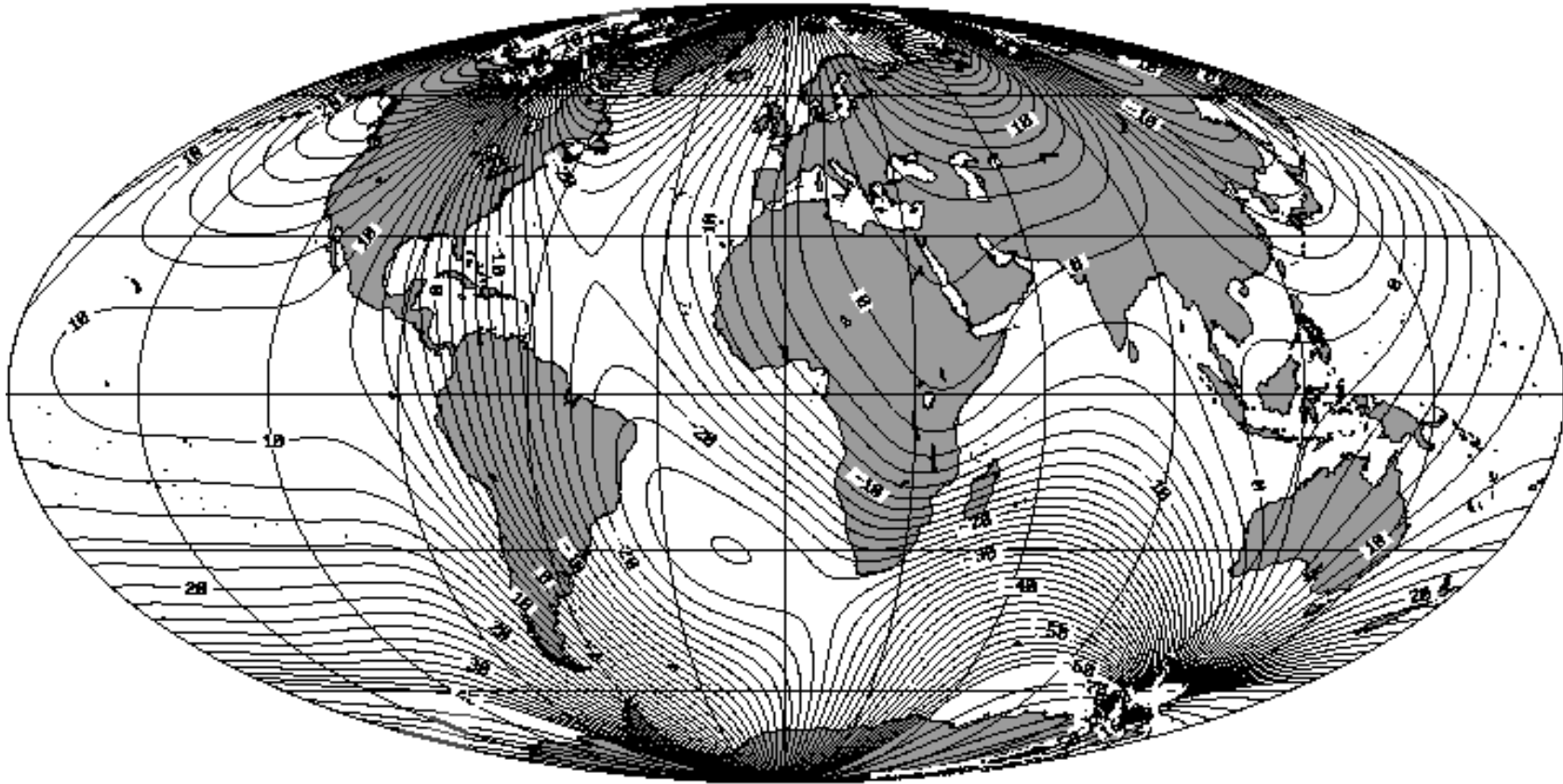


SENSITIVITY FOR ELECTRO-MAGNETISM

- Magnetic field of human beings and of higher animals interact closely with earth's magnetic field
 - According to **Rob Baker** the *human magnetic organ* is situated in the bones of the sphenoid/ethmoid sinus, directly in front of the *pituitary gland*
 - This organ 'feels' the earth-magnetic north alignment
- A further highly sensitive electromagnetic point in the human brain is in the domain of the *pineal gland*
 - Will the pineal evolve? Will its EMR sensitivity change?
- The electric direct-current system in the brain:
 - Acts on the consciousness
 - Reacts sensitively to very weak frequencies in the ELF channel (extremely low frequencies)

TRUE NORTH AND MAGNETIC NORTH

Magnetic Field of the Earth - 1995
Declination Chart





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



RELATIONSHIP OF MAN AND EARTH

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



ELECTRICITY AS THE CARRIER OF EVIL

- “Good and evil forces in man could to a great extent influence the health and illness of other people, and consequently also birth and death
 - There was a connection between the actions of an Atlantean and the natural course of birth and death
- During the 4th PACA this problem of birth and death was more connected with the human soul, but during our own epoch, the 5th PACA, people will have to struggle with evil in the same elemental way in which they struggled with birth and death during the Atlantean age
 - Particularly through the control of the different forces of Nature, the impulses that lead to evil will send their influences into the world in an immense, gigantic form
- *The Overcoming of Evil*, R. Steiner, Dornach, November 4, 1917, GA 273



ELECTRICITY AS THE CARRIER OF EVIL

- “The forces of **good will have to grow out** of the opposition to evil
 - We will draw the strength for this opposition out of spiritual sources
- During the 5th PACA, **when the exploitation of electric forces** which will assume quite different dimensions from those which they have assumed so far, will enable man to **spread evil over the earth**
- **Evil will invade the earth by coming in an immediate way out of the forces of electricity”**
- *The Overcoming of Evil*, R. Steiner, Dornach, November 4, 1917, GA 273



MODERN TECHNOLOGY & 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 5th PACA, 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 what lives and moves in the 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



EVOLUTION AND THE ROLE OF EVIL

- Just as man has wrested himself from the animal so will he wrest himself from evil
 - But never yet has he passed through a crisis as severe as that of the present age
 - The evil and the good are still within man just as in days of yore the animals were within him
- Manicheism: to sublimate men to be redeemers
 - The Master must be the servant of all
- True morality flows from an understanding of the mighty laws of the universe
- R. Steiner, *An Esoteric Cosmology*, The Mission Of Manicheism, GA094



MANES AND DEALING WITH EVIL

- 5th Root Race: guidance of the soul from the Father withdraws
 - In esotericism: the Mother Isis is the soul who conceives or receives
 - The Father is the Revealer, Instructor, or Osiris as inpouring Divine
- Such a soul becomes the Widow
 - Manes designates himself as the Widow's Son
 - He prepares the soul to become independent
 - Today the soul becomes completely independent of the Father
- Manes inspires the Divine-Spiritual Light of the soul
 - To rebel against everything not from out of the soul itself
 - 'You must strip off everything that is external revelation, everything that external authority has transmitted to you. Then you must become ripe to behold your own soul.'
- Manes supports himself on the inner spiritual light of the soul



LIGHT AND DARK, LIFE AND FORM

- Legend: From the Kingdom of Light a spark is sent into the Kingdom of Darkness in order that through itself the Darkness may be redeemed, in order that Evil may be overcome through gentleness
- Confluence of Life and Form: cooperation of Good and Evil
- Life becomes form through finding opposition
 - Life hurries from form to form, fashioning the leaf, then blossom, then seed out of which a new form will come
 - No forms if Life were not obstructed and arrested in its forces which stream out in every direction
 - Form grows out of that which at higher stages appears as fetters
- Christianity has both Form and Life
 - What lived in the Roman State, Empire, surrendered its Life to the Form of the Church
 - The old offices of the state were continued further through the Bishops and Presbyters
- What was formerly Life, later becomes Form for a new Life
 - The new Life is poured into the old Form



MANES AS THE PARACLETE

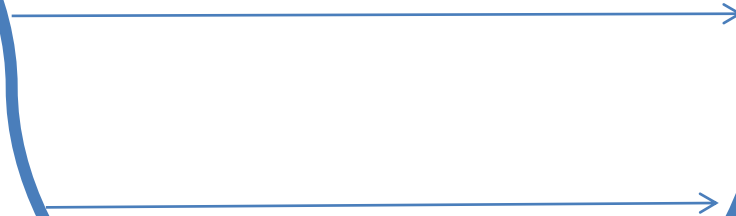
- Today's Life for mankind is the fructification of Manes
- Today's Form comes, like a seed, out of the Lunar Epoch
 - Lunar epoch: Life of men=evolution, now it's form, outer shell
 - In confluence of Life and Form, the other is given at the same time
- Good of an earlier age unites with the Good of a newer age
 - That gives at the same time the possibility of material manifestation
 - That is the doctrine of Manicheanism
- What is the meaning of the utterance of Manes (Mani) that he is the Paraclete, the Holy Spirit, the Son of the Widow?
 - Manes prepares for the Sixth Epoch when men will be led by themselves, by the light of their own souls
 - Manes will create an overlapping stream, a stream which goes further than the stream of the Rosicrucians
 - The stream of Manes goes over to the Sixth Root Race which has been in preparation since the founding of Christianity
- Christianity appears in its perfected form in the 6th Root Race
 - The task of 6th Root Race: draw Evil into itself through gentleness



FULFILLMENT OF CULTURAL EPOCHS

- “The Third PACA reappears in the Fifth, in order to permeate human souls with what the Fourth PACA [Egypto-Chaldean] has brought as something completely new
- Something similar will be the case with the Sixth PACA in regard to the Second, and the Seventh in regard to the First, the ancient Indian PACA”

R. Steiner, *Occult Science*, The Present And Future Of Cosmic And Human Evolution





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.

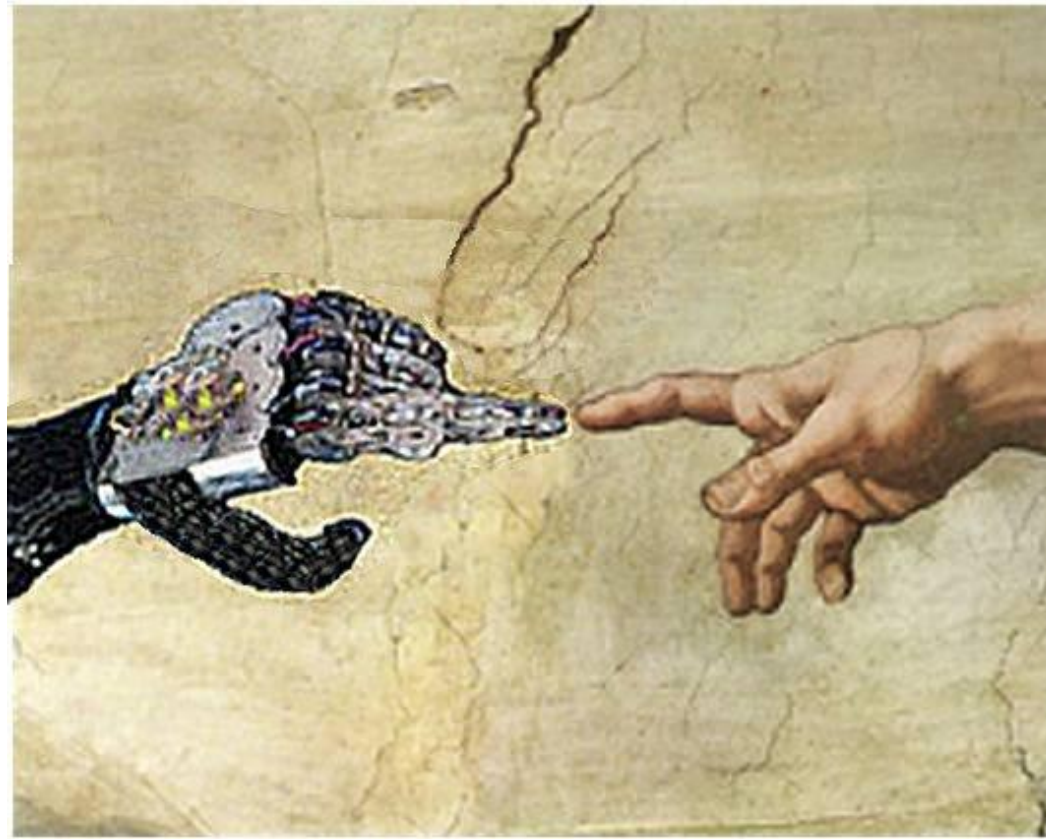
But in the deepening silence
There grows and ripens
What Man speaks to the Stars.
To be aware of the speaking
Can become strength for Spirit-Man.

Rudolf Steiner

spirit

soul

life



END PART 4



QUESTIONS?

ANGELS PERMEATED THE EARTH WITH WISDOM
FROM THE KYRIOTETES.
WHAT BEINGS WILL WE ASSIST TO BUILD A
JUPITER PERMEATED BY LOVE?

And, thank you for sharing your insights!



RECAP PART 1

- Let *us* [the Elohim] create [the form] Man *in our likeness*
- Eating from the Tree of Knowledge *of Good & Evil*
 - Good and Evil enter our being
- Cain and Abel represent two streams of humanity
 - Abel, the calm, obedient wisdom, replaced by Seth
 - Cain, tills the earth, egoism, freedom & fire
 - Feminine and masculine, priestly and kingly streams
 - Seth as beginning of sexual procreation
- Prometheus: chained to rock, released by initiation and sacrifice of centaur
- Hephaestus: thrown off Olympus, returns on donkey



RECAP PART 2

- What are machines doing to us?
 - Jobs, servants, will
 - Emancipation (from what?)
- Machines with artificial intelligence, artificial soul
 - How will affect our sense of humanity?
 - Will we ‘fall in love’ with a machine?
 - What is missing?
- Merging Human and Machine
 - How many body parts can be replaced before love ceases?



RECAP PART 3

- Evolution of Humanity and Earth
 - Change in constitution
 - Body now decaying, aging
 - Women infertile in 6th Millennium
 - Need dark, fallen angels to continue physical life
 - Moon returns – Great Teachers of Humanity
- Focus evolves from Lucifer to Ahriman
- Evolution of elements and ethers
 - Sub-nature, last Letter to Members by Steiner
- Beginning of co-creation of Jupiter starts now



RECAP PART 4

- Electricity
 - Role our concept plays
 - Carrier of evil
- Magnetism
 - Earth's magnetic field
 - Relationship to chemical ether and water element
 - Human brain, glands
- Evil
 - We must live with Ahriman
 - Path of Manes, redemption of Evil



FURTHER STUDY

By Rudolf Steiner:

- The Temple Legend
- Concerning Electricity
- The Mystery of the Human Double
- The Michael Deed and the Michael Influence as Counter-pole of the Ahrimanic Influence
- The Deed of Christ and the Opposing Spiritual Powers
- The Elemental World and the Future of Mankind
- Building Stones for an Understanding of the Mystery of Golgotha
- The Karma of Vocation
- The Challenge of the Times
- Inner Impulses of Evolution
- Materialism and the Task of Anthroposophy
- Foundations in Esotericism
- An Esoteric Cosmology
- The Elemental World & the Future of Mankind

By Others:

- The Battle for the Etheric, Nick Thomas, Temple Lodge Press, 2006
- I Corinthians 12:12-27, a passage ending with “Now ye are the body of Christ”
- The Futurist, March-April 2006, www.wfs.org
- Blue Brain Project, www.eetimes.com, May 28, 2008
- Alan Turing paper Computing Machinery and Intelligence, Mind, 1950
- Will Robots Inherit the Earth? Marvin Minsky, Scientific American, Oct 1994
- The Futurist, March-April 2006, www.wfs.org, pg. 42
- <http://www.cyberkineticsinc.com/>



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A PAST MORALITY BECOMING EVIL

- “The electric element in Nature is endowed with morality in the same way in which moral impulses are endowed with life, with a life of Nature
 - Later on, they take on real shape, become a real world
- In the same way in which the moral element one day acquires real shape in Nature, so the electric element once contained a moral reality
- If we contemplate electricity today, we contemplate the images of a past moral reality that have turned into something evil

– R. Steiner, *Concerning Electricity*, 28Jan1923, GA220