



# THE ROLE OF TECHNOLOGY IN HUMAN EVOLUTION

Exploring The Western Path, Parts 1 & 2

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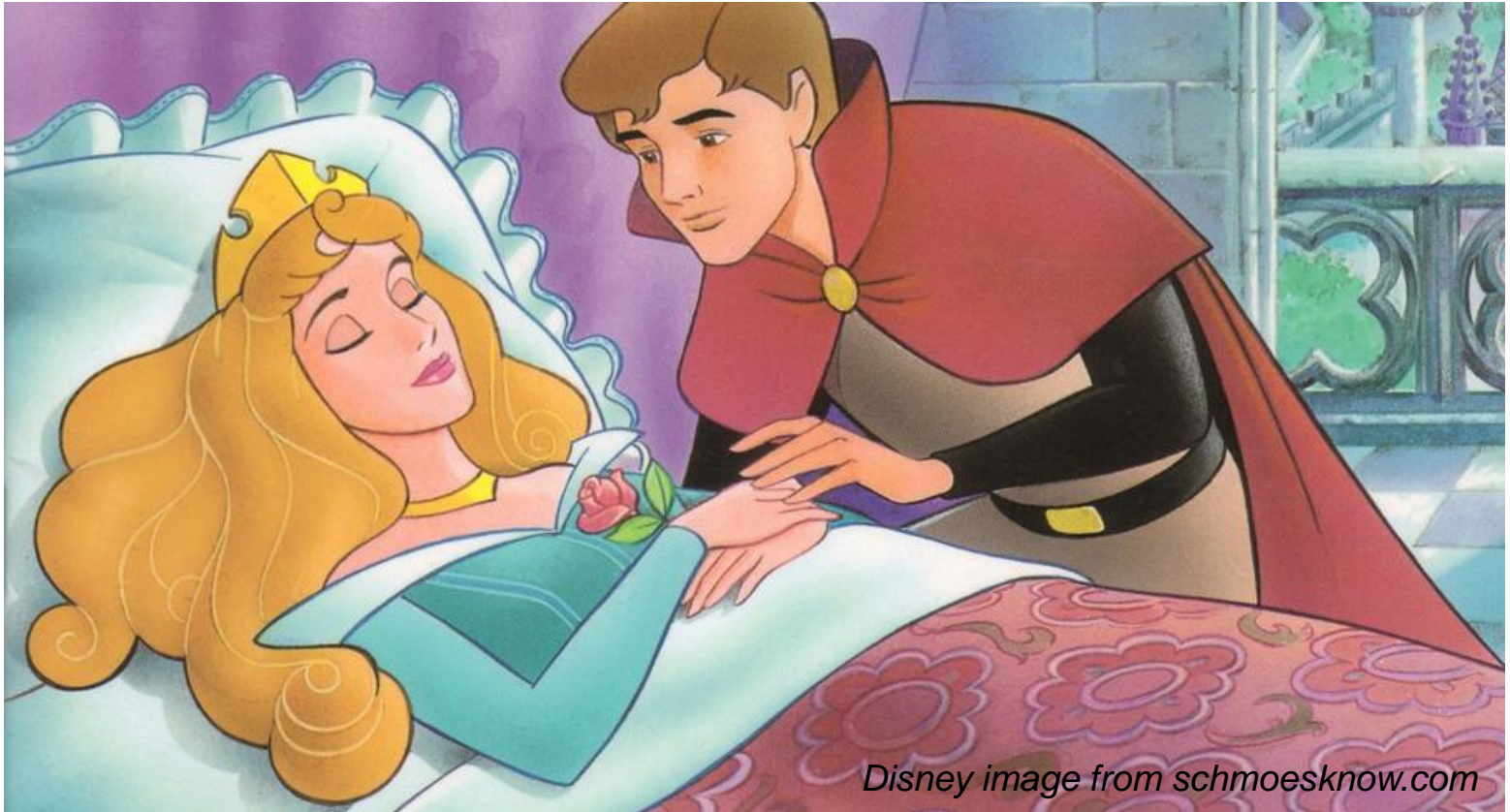
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# GOALS



- Overcoming Fear
- Mythology
- Soul and Machine
- Evolution
- Artificial Intelligence
- **The Western Path**



Briar  
Rose

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



# THEMES ↓

- Overcoming Fear

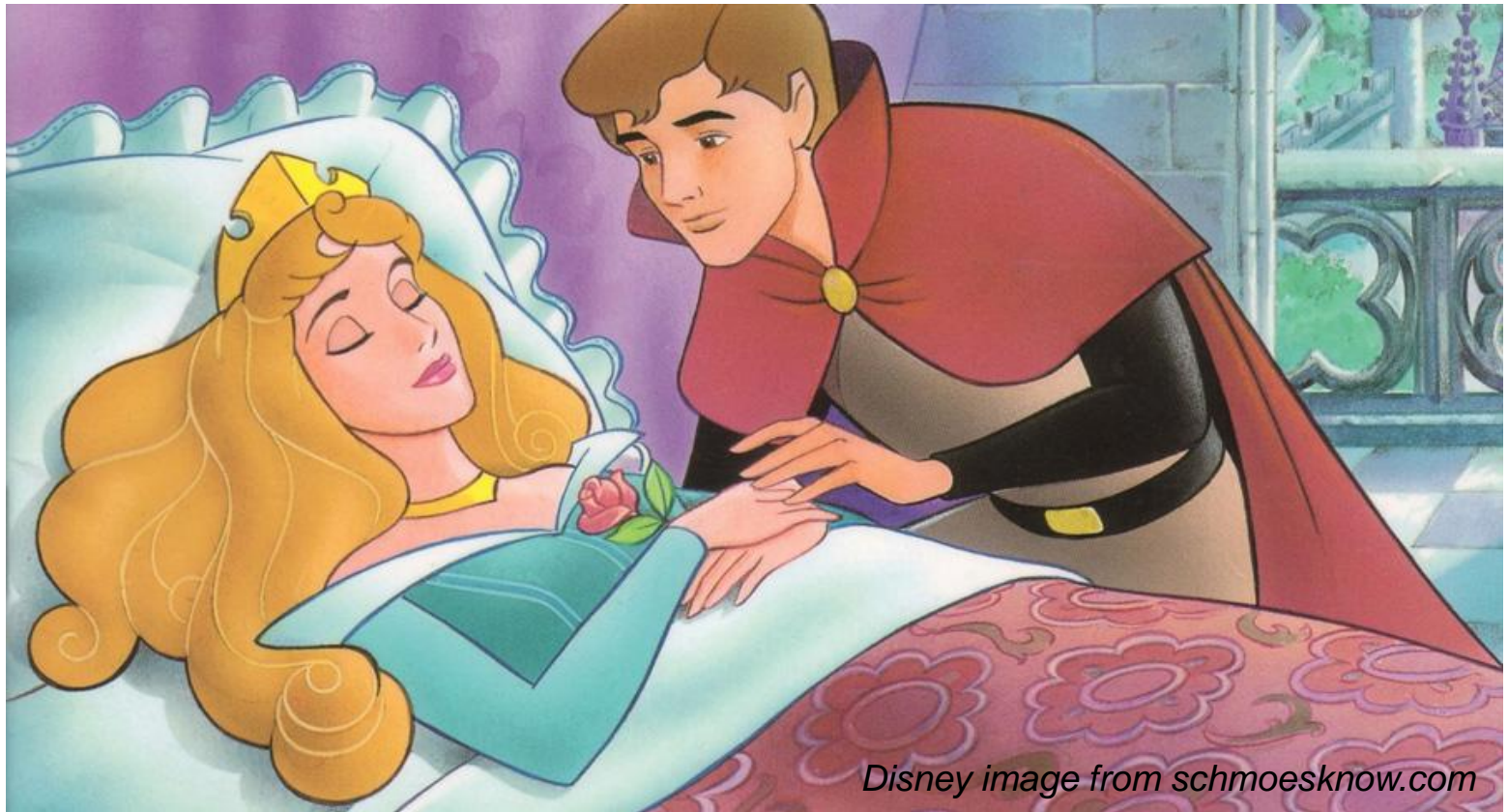
## 1. Mythology

## 2. Soul and Machine

## 3. Evolution

## 4. Artificial Intelligence

- The Western Path



Briar  
Rose

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



# WHY MYTHOLOGY?

- Myths: an expression of profound esoteric truths
- Not everyone could be initiated
  - It was known that such stories would, **when the individual reincarnated**, have **prepared** them
    - What is such a preparation?
    - Where does it become incorporated?
    - Are our children “prepared”?
    - Are we “those who were so prepared”?
  - “It was not faith, but knowledge, that inspired these myths.”
    - R. Steiner, The Temple Legend,



# STORY OF ADAM AND EVE

- As taught by Christian Rosenkreutz
- Seven Elohim (Exusiai):
  - “Let us create Man *in our likeness*”
- One Elohim creates **asexual** Eve
  - That Elohim *unites* himself with his own creation resulting in Cain
  - Spiritual concept as fertilizing agent
- Another Elohim, Yahveh (Jehovah), creates Adam
  - This asexual Adam is known as Adam Cadmon in esoteric circles
  - Adam also *unites* himself with Eve; from this union came Abel





# ROLE OF THE ELOHIM (אלהים)

Following Old Moon, there were two kinds of Elohim:

1. **Remained static** with the union of wisdom and **fire**
  - Remembrance of fire-breathing dragons
  - Impulse towards freedom
2. **Went beyond** - during the creation of man *they were no longer filled with desires*
  - So they were able to endow their creation with calm and clear wisdom
  - That is the essential Yahveh — or Jehovah
  - Wisdom without personal desire

# LUCIFER AND JEHOVAH

- When Lucifer got the woman to eat from the Tree of Knowledge, she:
  - Laid the basis for becoming independent in respect to wisdom
  - Ceased to remain a mere tool of Jehovah (as he had planned)
  - Lost Jehovah's power to fertilize herself through wisdom
- By giving the apple to man, she wiped out Jehovah's power
  - Thus woman became dependent on man for procreation
  - But “I will put **enmity** between thee and the woman, and **between thy seed and her seed**” — *Genesis 3:15*





# LUCIFER'S INDEPENDENCE

- Lucifer led mankind along this path to independence
- Jehovah was against this – forbade them to eat from the Tree of Knowledge
- New bodies had to come into existence
  - Death and reincarnation came into the world
  - Karma **as a gift** from the Divine-Spiritual
- Woman no longer fertile now through herself: “barren”
  - Fertilization now must come from outside
  - This kind of death now enters the world



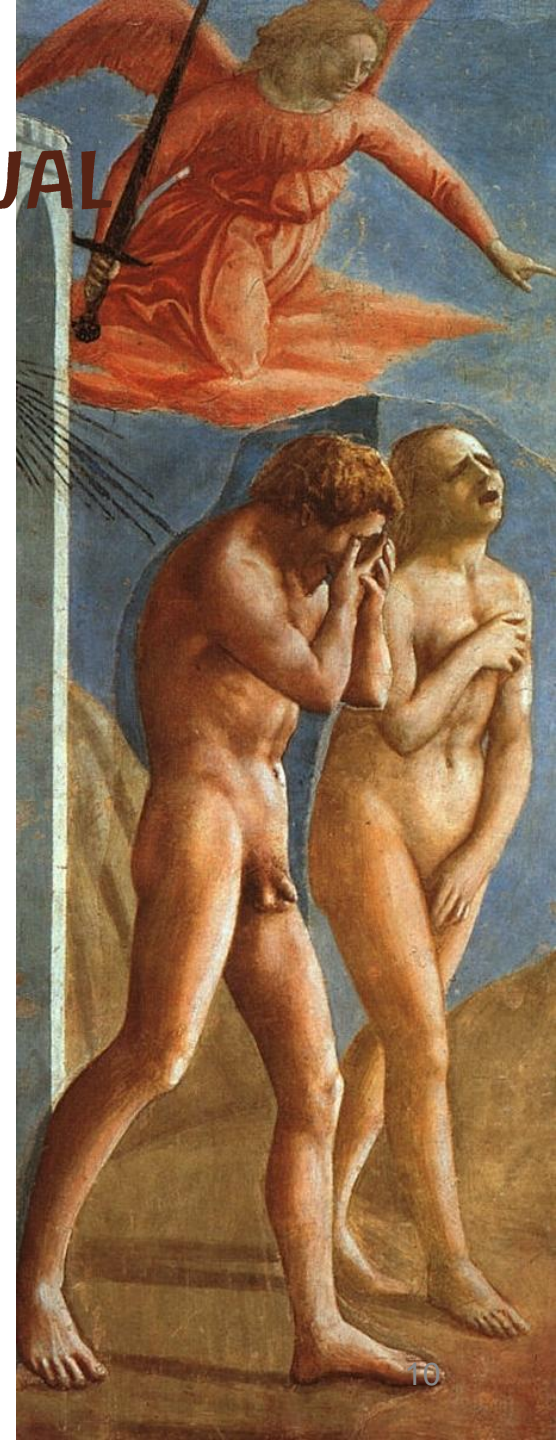
# HUMAN FORM AND PROPAGATION

- In the beginning, all human beings are similar
  - Appearance same from creation
  - All created after the image of the Elohim
  - Propagated then by asexual means
  - All retained the same form
  - Father looked like son and grandson
- What caused mankind to change, become differentiated?
  - Through the fact that two, not one, were engaged in propagation
  - Offspring then looked like the father **and** like the mother



# TRANSFORM ASEXUAL TO SEXUAL

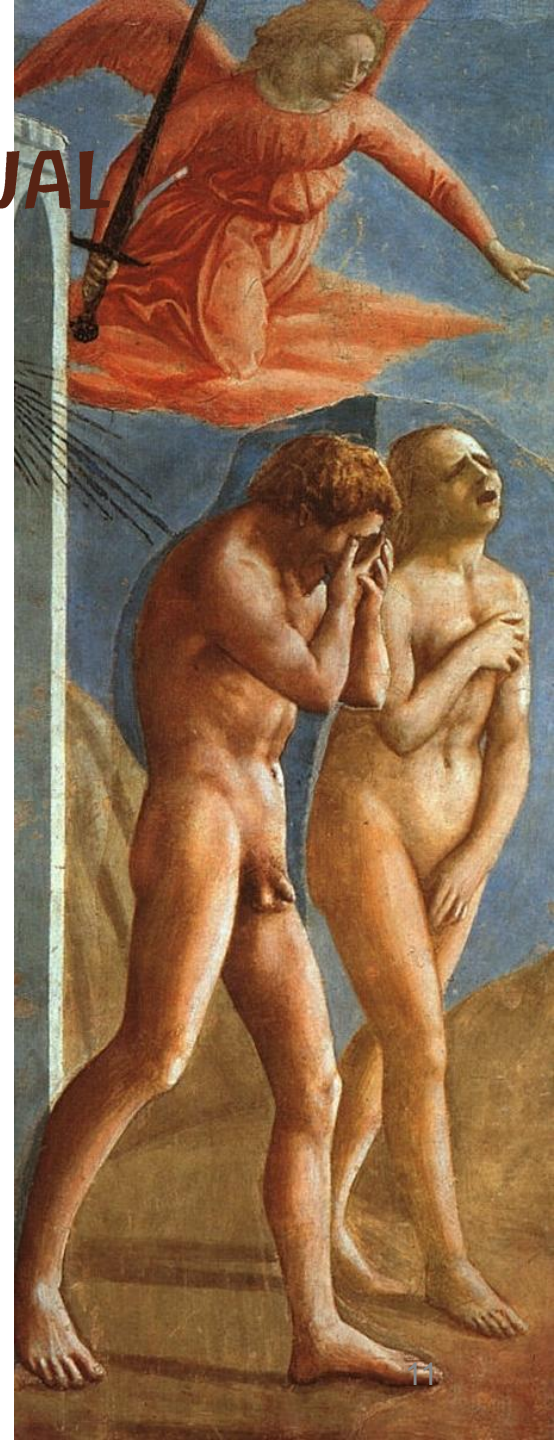
- Physically, there is first of all a woman, who is fertilized *from above*
  - It was the Divine Spirit *in woman* which was the fertilizing principle
- When the separation of the sexes happened, the differentiation started in the **transformation** of the female's spiritual organs of **fertilization** into organs of **wisdom**





# TRANSFORM ASEXUAL TO SEXUAL

- **Masculine** power that the woman had in herself turned the creative force into organs of wisdom
- The generative force stayed with woman
- The **creative physical force** stayed with **man**
- Result of separation: the spinal cord and the brain with the nerve branches appeared
  - Portrayed as Tree of Knowledge
  - The **organ of wisdom** is formed in the vertebrae by the spinal cord and its extension into the brain
- From then, there is a **duality** in Man



# FERTILIZATION AFTER THE FALL

- The feminine active spirit becomes **physically** infertile
  - Can no longer produce offspring out of herself
  - Self-fertilizing spiritually but not physically
- The masculine passive spirit is spiritually infertile but can fertilize physically
  - Spiritually, he now becomes fertilized by everything in the world
  - He **becomes spiritually fertilize-able**
    - Fertilized by everything external being gathered and combined
    - Male wisdom was orientated towards assembling worldly wisdom
- The etheric body becomes opposite sex to physical
  - Soul remains “a mix” of both sexes





# CAIN & ABEL AS TAUGHT BY C. ROSENKREUTZ

- Cain is a direct descendant of a god, Abel of humans
- Cain **tills** the ground, Abel **tends** sheep
- The sacrifices which Abel made were pleasing to Yahveh
  - Its smoke rose up (was accepted)
- The sacrifices brought by Cain were not
  - Its smoke remained with the earth





# YAHVEH CAUSED STRIFE

- Between the sons of Cain and the sons of Abel
  - Between the two seeds
  - The result was that Cain committed fratricide
  - Cain was **excluded** from communion with Yahveh
  - “Am I my brother’s keeper?” **egoism begins**
  - He went *away into distant lands and founded his own race*
  - Descendants of Cain: creators of art & science, working of metal ores & fire





# SEPARATION INTO SEXES

## MID-ATLANTEAN TIMES

- Now begins the process of separation into sexes
  - **Able represents female wisdom** typified in intuition
  - **Cain represents male wisdom**
  - The physical body and the etheric body develop **opposite sexes**
  - The **soul is both sexes** but as our deeper nature symbolized as the feminine
  - The **spirit is sexless** yet in its connection with the brain which became male is symbolized as masculine
- Thus we have two founding generations of mankind:
  1. The race of Cain: descended from Eve and an Elohim
  2. The race of Abel: Yahveh → Adam + Eve (asexual)
    - Yahveh causes enmity between the two lineages



# WHAT CAIN AND ABEL REPRESENT

- Cain and Abel are the *representatives* of **two kinds of thinking**
- So long as mankind was still female-male, it was impossible for Man to **separate spiritual wisdom and scientific knowledge**
- Only through a definite separation into the two sexes could mankind's brain be brought to the **pitch** where it could function
  - The **brain became male** – the deeper human nature became female
- Through this separation, propagation of the human species ceased to be *identical copies* of their parents and *became differentiated*



# WHAT CAIN AND ABEL REPRESENT

- Variation only comes about when a mixture occurs
- How was this mixture made possible?
  - The **masculine element committed itself to the earth**
- The physical plane and the effect it has on man is the mark set upon Cain
- Sons of Cain derive from those Elohim who, during Old Moon, were slightly behind in their role as Elohim
  - We are dealing with Kama, astrality, during Old Moon
  - This Kama, or **fire**, was penetrated with **wisdom** on Old Moon
- In this way, The Redemption targets the Cain stream



# ARTISTIC REPRESENTATIONS

Night – Michelangelo – Abel



Day – Michelangelo – Cain





# AFTER CAIN AND ABEL: SETH

bə-yō-wm 'ā-dām, šə-mām 'et- way-yiq-rā 'ō-tām, way-bā-rek bə-rā-'ām; ū-nə-qē-bāh zā-kār 'ō-tōw.  
 בְּיוֹם אָדָם שְׁמָם אֶת- וַיִּקְרָא אֹתָם וַיְבָרֶךְ בְּרָאם וַיִּבְרָא 2 זָכָר וּנְקֵבָה  
 in the day Man their name - and called them and blessed He created and female Male him  
 Noun Noun Noun Acc Verb Acc Verb Verb Noun Noun Acc

<http://biblehub.com/interlinear/genesis/5.htm>

1254 [e]  
 s hib-bā-re-'ām.  
 הִבְרָאָם:  
 - when they were created  
 Verb

6754 [e] 1823 [e] 3205 [e] 8141 [e] 3967 [e] 7970 [e] 121 [e] 2421 [e]  
 kə-šal-mōw; biḡ-mū-tōw way-yō-w-leḡ šā-nāh, ū-mə-'at šə-lō-šim 'ā-dām, way-ḥī  
 - כְּצַלְמוֹ בְּדְמוּתוֹ וַיּוֹלֵד שָׁנָה וּמֵאֶת שְׁלֹשִׁים אָדָם וַיְחִי 3  
 according to his image [a son] in his own likeness and fathered years and a hundred thirty Adam And lived  
 Noun Noun Verb Noun Noun Noun Noun Noun Verb

8083 [e] 8352 [e] 853 [e] 3205 [e] 310 [e] 121 [e] 3117 [e] 1961 [e] 8352 [e] 8034 [e] 853 [e] 7121 [e]  
 šə-mō-neh šēt, 'et- hō-w-lī-ḡōw 'a-ḥā-rē 'ā-dām, yə-mē- way-yih-yū šēt, šə-mōw 'et- way-yiq-rā  
 שְׁמֹנֶה שֵׁת אֶת- הוֹלִידוּ אַחֲרַי אָדָם יְמֵי- וַיְהִי 4 שֵׁת שְׁמוֹ אֶת- וַיִּקְרָא  
 eight Seth - he had begotten after of Adam the days And were Seth his name - and he called  
 Noun Noun Acc Verb Adv Noun Noun Verb Noun Noun Acc Verb





# SETH AND LIKENESS

- Adam again united himself with Eve → new race: Seth
- In the days the Elohim created Man, in their **likeness** made he it; **female-male** created he it; and blessed it, and called its name Adam, in the day when it was created. And Adam lived an hundred and thirty years, and begat a son *in his own likeness*, after his image; and called his name Seth (Genesis 5)
- With Seth the sexual separation process completes
- Seth takes over the role of Abel



# SONS OF ABEL/SETH AND SONS OF CAIN

## Abel/Seth's Character      Female

- Seth's wisdom can be expressed in words which go straight to the **human heart** and can uplift a person but is unable to produce anything tangible of a technical nature such as in art or science
  - It is a wisdom which is a directly inspired gift of God
  - They wish not to add to that wisdom but accept it as it is
  - Religious heritage (genealogy) carried by the female
  - Story of Seth planting tree from Paradise over Adam's grave

## Cain's Character      Male

- Wisdom attained from below through human passions (fire) welling up from the human will
  - They are the hardworking industrious ones who seek to accomplish everything through their own efforts
  - Offspring known as the sons of fire

120 [e]	1323 [e]	413 [e]	430 [e]	1121 [e]	935 [e]	834 [e]	3651 [e]	310 [e]	1571 [e]	1992 [e]	3117 [e]
hā-'ā-dām,	bə-nō-wī	'el-	hā-'ē-lō-hīm	bə-nē	yā-bū-'ū	'ā-šer	kēn,	'a-hā-rē-	wə-ḡam	hā-hēm	bay-yā-mīm
הָאָדָם	בָּנוֹת	אֶל-	הָאֱלֹהִים	בָּנָי	יָבֹאוּ	אֲשֶׁר	כֵּן	אַחֲרָיִם	וְגַם	הֵם	בַּיָּמִים
of men	the daughters	unto	of God	the sons	came in	when	that	after	and also	those	in days
Noun	Noun	Prep	Noun	Noun	Verb	Prt	Adj	Adv	Adv	Pro	Noun

8034 [e]	376 [e]	5769 [e]	834 [e]	1368 [e]	1992 [e]	3205 [e]
p̄	haš-šēm.	'an-šē	mē-'ō-w-lām	'ā-šer	hag-gib-bō-rīm	hēm-māh
פ	הַשֵּׁם:	אֲנָשִׁי	מֵעוֹלָם	אֲשֶׁר	הַגִּבּוֹרִים	הֵמָּה
-	of renown	men	[were] of old	who	mighty men	the same
Noun	Noun	Noun	Noun	Prt	Adj	Pro

לָהֶם	וַיִּלְדּוּ
to them	and they bore
Prep	Verb

3820 [e]	4284 [e]	3336 [e]	3605 [e]	776 [e]	120 [e]	7451 [e]	7227 [e]	3588 [e]	3068 [e]	7200 [e]
lib-bōw,	maḥ-šə-bōt	yē-šer	wə-kāl	bā-'ā-reš;	hā-'ā-dām	rā-'at	rab-bāh	kī	Yah-weh,	way-yar
לִבּוֹ	מַחְשַׁבֹּת	יֵצֶר	וְכָל-	בָּאָרֶץ	הָאָדָם	רַעַת	רַבָּה	כִּי	יְהוָה	וַיַּרְא
of his heart	of the thoughts	imagination	and every	on the earth	of man	the wickedness	[was] great	that	GOD	And saw
Noun	Noun	Noun	Noun	Noun	Noun	Adj	Adj	Conj	Noun	Verb

776 [e]	120 [e]	853 [e]	6213 [e]	3588 [e]	3068 [e]	5162 [e]	3117 [e]	3605 [e]	7451 [e]	7535 [e]
bā-'ā-reš;	hā-'ā-dām	'et-	'ā-šāh	kī-	Yah-weh,	way-yin-nā-ḥem	hay-yō-wm.	kāl-	ra'	raq
בָּאָרֶץ	הָאָדָם	אֶת-	עָשָׂה	כִּי	יְהוָה	וַיִּנָּחֵם	הַיּוֹם:	כָּל-	רָע	רָק
on the earth	man	-	he had made	that	the LORD	And was sorry	the time	all	evil	[was] only
Noun	Noun	Acc	Verb	Conj	Noun	Verb	Noun	Noun	Adj	Adv

<http://biblehub.com/interlinear/genesis/6.htm>





# DAUGHTERS OF MEN DURING ATLANTIS

- Lines of Abel & Cain were kept separate; sinful to merge
  - Abel line known as Sons of God (Yahveh)
  - Cain line known as Sons and Daughters of men
- “The Sons of God saw the daughters of men that they were fair and took them wives” (from the line of Cain)
- From this union resulted a race of people known in occult language as the Rakshasas
  - Rakshasas easily seduced men of Atlantis (esp. 4<sup>th</sup> sub-race)
- This leads to such evil – key cause of the Flood
  - What will happen if men see the daughters of machines as fair?

spirit

soul

life



# BUILDING SOLOMON'S TEMPLE

# WHO WAS SOLOMON?

- Third King of Israel
  - Reign circa 970 to 931 BC
  - Great in wisdom and wealth
- Also called **Jedi-diah** (Hebrew (יְדִידְיָהּ))
  - Star Wars Jedi-Knights (Jedi-diah + Knights Templar)
- Talmud: Solomon 1 of 48 prophets
- Qur'an: a major prophet named Sulayman, son of David
- Builds the First Temple in Jerusalem
- But succumbs to idolatry; punished by Yahveh
  - Resulting in the kingdom being torn in two during the reign of his son Rehoboam







# SOLOMON'S HISTORICAL SITUATION

- Pre-1000 BCE: Priest-Kings or Initiate Kings
  - Becomes a birthright via royal blood
  - Egypt, Sumeria, Babylon, Persia, Assyria, Scythia, Mesopotamia
    - Kingship “descended from Heaven”
    - King “required” to be able to rise to their folk-god
      - King as high priest – a medium of the divine (for that folk)
    - Coronation was an annual rite of initiation
      - Reenactment of mythological drama
      - King to be humiliated by next-highest priest
      - King atones for the people through his suffering
      - Afterwards he is re-enthroned as “son of the god”

# SOLOMON'S HISTORICAL SITUATION

- Israel: Saul → David → Solomon
  - Kingship “granted” through priests
  - Saul 1043-1011, David -971, Solomon -931BCE
  - Priest Samuel told by God to go meet first king
    - From tribe of Benjamin
    - **Saul was looking for a *lost donkey*, Samuel initiates him, donkey found**
    - Samuel sets the duties of a king in Israel:
      - Must study the Torah continually
      - The Torah must always be with the king wherever he is
      - Must never feel haughty and superior to his brothers
      - Must not seek pleasure
- Who can become King? – changes after 747 BCE



# DAVID BECOMES KING

- David defeats Goliath (Philistine)
- David conquers the fortress of Salem
  - Makes it his capital
  - Melchisedec high priest in time of Abraham
- Hiram, king of Tyre, sends messengers
  - Offers to build David a house or temple
- David brought the Ark of the Covenant to Jerusalem
  - Intending to build a temple, God, speaking through the prophet Nathan, announced that the temple would be built in the future
    - By a son of David (turns out to be Solomon)
- God made a covenant with David
  - Promised that He will establish the House of David
  - "Your throne shall be established forever (for all of the age)"



# HOW SOLOMON BECAME KING

- 1 Kings: when **David** was old, "he *could not get warm*"
  - Most beautiful young woman in the kingdom – **Abishag** was brought to him
  - The old king "knew her not" but she became part of his harem
- While David was dying, his 4th son Adonijah, heir apparent after the death of his elder brothers, acted to have himself declared king
  - He recruited Joab and Abiathar
- However, Bathsheba, one of David's wives and mother of Solomon and the prophet Nathan, convinced David to proclaim Solomon king



"David, Bathsheba and Abishag"  
By Frederick Goodall (1822-1904)



"King David handing the Sceptre to his son, Solomon"  
By Cornelis de Vos (1584-1651)



# AFTER SOLOMON BECAME KING

- Adonijah fled and took refuge at the altar later receiving pardon from Solomon on the condition that he show himself “to be a worthy man”
- Later, with David gone, Adonijah asked to marry Abishag
  - Solomon disallowed as it gave Adonijah potential to claim throne
  - Bathsheba surprisingly pleaded on Adonijah's behalf
- Adonijah was thus seized and put to death
  - David's general Joab was killed, in accord with David's deathbed request to Solomon because he had killed generals Abner and Amasa during a peace (2 Samuel & 1 Kings 2:5)
  - David's priest Abiathar, a descendent of Eli, was exiled by Solomon because he had sided with Adonijah





# BUILDING SOLOMON'S TEMPLE

- Solomon receives dream; decides to build a temple
  - Excelled in everything which came from Yahveh
  - Renowned for his wisdom
- Calls upon Hiram Abiff to become his master builder
  - Descendant of Cain, Son of the Widow
- Balkis, the Queen of Sheba, was visiting Jerusalem because she had heard of the wisdom of Solomon
  - She was certainly impressed and charmed by the exalted and clear wisdom and beauty of the King when she first arrived
  - When he made love to her she consented to be his bride
- When the temple was almost complete, only Hiram's masterpiece, the Molten Sea, was left
  - Was to adorn the temple and represent the ocean cast in bronze
  - All the necessary mixtures of ores had been prepared by Hiram in a most wonderful manner, ready to be cast

# TENSION AND DISSENTION

- There were 3 apprentices that Hiram had found so lacking in skill that he had been unable to promote them to become masters
- They swore to be revenged on him and prevent the casting of his masterpiece, the Molten Sea
  - Many had gathered to watch the casting
  - A friend of Hiram, Benoni, learned about these plans,
    - Confided them to Solomon, so that he could prevent it
  - But Solomon, through jealousy, did nothing to stop them, because he secretly wished to destroy Hiram





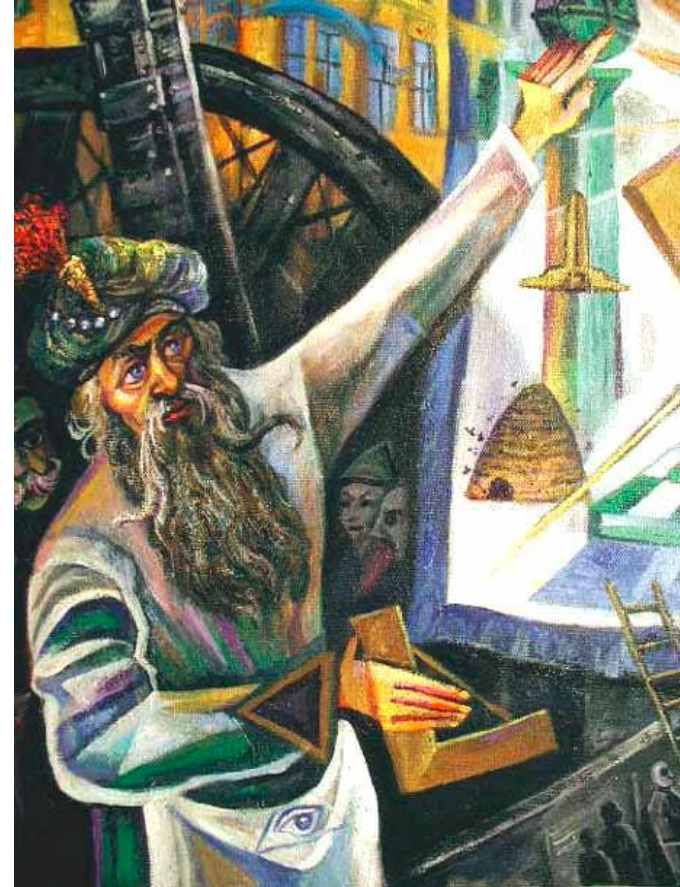
# HIRAM'S INITIATION

- The result was that Hiram had to look on while the whole casting disintegrated due to the addition of a wrong ingredient in the mixture by the 3 apprentices
  - He tried to quench the bursting flames by pouring water over them, but this only made matters worse
  - Just as he was on the point of despairing about the work ever being completed, Tubal-Cain, his ancestor, appeared to him and told him that he should not hesitate to cast himself into the fire, as he was invulnerable to the flames
  - Hiram did as he was advised and was led by Tubal-Cain
- He came to the center of the earth to meet Cain who resided there in a condition of pristine divinity
  - Hiram was then initiated into the Mystery of Fire and into the secret of bronze casting
  - He receives from Tubal-Cain a Hammer and a Golden Triangle
- Then he returned and was able to complete the casting of the Molten Sea and to put everything in order again



# AFTER BUILDING THE TEMPLE

- Hiram again was set upon by the 3 apprentices and this time murdered
  - He was able to write the secret word on the Golden Triangle and hide it in a well
  - It was later retrieved and enclosed in a stone shaped in the form of a cube
  - The Ten Commandments are inscribed on this stone that conceals the hidden word
- As no one knew where he had disappeared, a search was made
  - Even Solomon was afraid and anxious to find out what had happened
- It was thought that the ancient Master Word could be betrayed by the apprentices, and therefore another one was devised
  - The first word to be spoken when Hiram was discovered



# BUILDING A NEW TEMPLE

- When Hiram was found:
  - He said: ‘Tubal-Cain had promised me that I shall have a **son** who will be the father of many descendants who will people the earth and bring **my work — the building of the Temple — to completion**’
- It is said that the triangle only can be discovered by one who can understand the meaning of the legend of the Temple of Solomon and its Master Builder Hiram
- Our body is the new temple
  - Who is a Son of Hiram?
  - What does this have to do with Machines?



St. John's Church, Chester



# BALKIS, QUEEN OF SHEBA

- When she first arrived, she was certainly impressed and charmed by the exalted King with clear wisdom and beauty
- When he made love to her she consented to be his bride
- She heard much about the temple being built and thus she desired to make the acquaintance of its master builder
  - Captivated merely by his glance
    - Became a “Girl on Fire”
  - She requested for the workers to be assembled
    - Hiram raised the Tau sign and all gathered quickly
    - The Tau sign symbolizes a totally new power, based on freedom
- The heroic deeds of Hiram increase her fiery desire for him
  - As a result, a certain mood of jealousy arose by Solomon
    - He wished to do something or other against Hiram but was dependent upon him for completion of temple





# PROPHECY TOLD TO HIRAM

- Tubal-Cain explained to Hiram:
  - “Now know the true Jehovah, who is the cause of your being here for Jehovah hates the Sons of Fire”
  - He wants to destroy them; he wants to destroy his own creation
  - But you need have nothing to fear
  - ***To you will be born a son, whom you will not yourself see, but from whom shall spring a race, out of which a new fire worship will develop***
    - [Source of Sons of the Widow?]
  - Balkis's affections were furthered when Hiram was able to complete the Molten Sea using Tubal-Cain's hammer





# THE PROPHECY AS REVEALED TO BALKIS

- One day the queen, accompanied by her maids, went beyond Jerusalem, and there encountered Hiram, alone and thoughtful
- Had-Had, the bird who for the queen filled the office of messenger of the genii of fire, seeing Hiram in the air made the sign of the mystic T, flew around his head and settled on his wrist
  - At this Sarahil, nurse of the queen, exclaimed: “The oracle is fulfilled, Had-Had recognizes the husband which the genii of fire destined for Balkis”
  - The encounter was decisive, they mutually confessed their love
- They hesitated no longer, mutually pledged their vows, and deliberated on how Balkis could retract her promise to the king
- Hiram was to be the first to quit Jerusalem; the queen, impatient to rejoin him, was to elude the vigilance of the king, which she accomplished by withdrawing from his finger, while he was overcome with wine, her betrothal ring
  - ***How do you feel about Balkis?***

# WHO ARE THE SONS OF FIRE?

- Come into existence *ONLY after*
  - The separation of the sexes
  - Through penetration of physical female by physical male
- Fire is the active principle in the male semen
  - In male semen lives fire, in the occult sense
- **Jehovah** had to create this basic force so that this race could propagate itself
  - Jehovah created the Sons of Fire, which was only possible on the basis of this **soul fire**
  - Yet Jehovah is the opponent of change
    - He cherishes the old kind of propagation
  - Therefore he turned again to the priests and made them into his preachers
    - He caused the power and the glory of his own wisdom to be proclaimed through **the priestly wisdom**



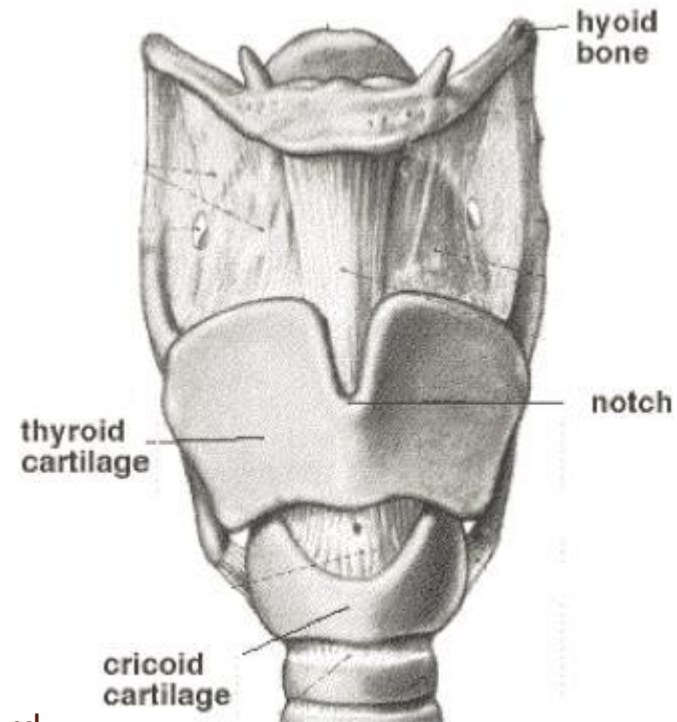


# WHO ARE THE SONS OF FIRE?

- Hiram-Abiff appointed to undertake the Molten Sea
  - Means the transformation of mineral kingdom through art
- Told that a son would be born to him
  - He would not himself be able to see him
  - Would bring forth a new race
- This son is the coming new race that will take the place of the present one (6th Epoch)
  - It will no longer be necessary for two sexes to unite
  - Will again be able to bring about propagation through the one human individual (this refers to a far distant future)
  - Through the (lost) Word

# PROPAGATION THROUGH THE WORD

- Why did Freemasonry exclude women?
  - To them, it is appointed only the man
    - To re-establish and
    - To utter the Lost Word
  - Only the male form of the larynx
    - Is in a position to say and know:
    - What can be regained through the Lost Word
  - It was felt the whole female sex had to be excluded from their rituals
    - *This began to change in Steiner's time – why?*
- Link between the organ of speech and gender
  - Only the man changes voice when he reaches puberty
  - The change of voice is the expression of the former connection between the organs of speech and of sexuality
- Will we have physical bodies then?







# SUMMARY OF CAIN AND ABEL

## Sons/Race of Abel-Seth

- Solomon
- Possess divine wisdom
  - Detached piety and wisdom
- Representatives of the religious type with detached wisdom
  - Lacking enthusiasm
- **Eastern path:**
  - No attachments to earth
  - Tend the soul

## Sons/Race of Cain

- Hiram Abiff
- Conversant with fire
  - Know how to make use of it
    - Not physical fire
    - Fire of wishes, desires, and instincts which burns in the astral world, Kama
  - Impulsive nature, capable of flaring up, showing enthusiasm for wisdom
- All arts and the sciences
- **Western path:**
  - Till the earth
  - Till the soul

These are creative within all races of mankind and in all periods of history



# MEANING OF THE TEMPLE LEGEND

- Two races of mankind:
  1. **Abel:** like Solomon, are in possession of divine wisdom
  2. **Cain:** conversant with fire and know how to make use of it
    - Not physical fire, but the fire of wishes, desires and instincts
- Queen of Sheba as the human soul
- Portrays the destiny of the 3<sup>rd</sup> 4<sup>th</sup> & 5<sup>th</sup> PA Cultural Ages
- The Temple: Temple of the Occult Societies that is being built up by the whole of mankind during the 4<sup>th</sup> & 5<sup>th</sup> PA C. Ages
  - Why not the 6<sup>th</sup> PA Cultural Age?
  - The Holy of Holies: abode of these Occult Societies
  - The Molten Sea: **water and fire** united in the proper way
  - The Golden Triangle: reveals secret of Manas, Buddhi, and Atma
    - **Portrayed in the Foundation Stone Meditation**
- Knowledge of **both** outer world and spiritual forces
  - From **both directions** to go forward with evolution

# PROMETHEUS AND ZEUS

- Prometheus means 'thinking in advance'
- Epimetheus means 'thinking afterwards'
- Sons of a Titan, Japetus
  - The Titans are themselves sons of the ancient Greek god Uranus and his wife Gaia (Uranus means 'heaven', and Gaia 'earth')
  - Uranus (Greek) = Varuna (Indian)
- Chronos usurped the throne of his father Uranus to obtain the rulership for himself
- For this he was in turn dethroned by his own sons, led by Zeus
  - All other Titans were cast into the underworld
    - Includes the Titan Atlas, a brother of Prometheus
  - Only Prometheus & his brother Epimetheus remained loyal to Zeus during the fight of Zeus against Chronos & the Titans



# PUNISHMENT

- **Zeus had created the human race** but humanity had become rebellious
  - Thus Zeus wanted to exterminate it
- Then Prometheus made himself humanity's **representative**
  - Devised plan to give men means whereby they could save themselves and no longer be dependent upon the help of Zeus
  - Prometheus taught men the use of **writing**, the **arts**, and above all, the **use of fire**
- Prometheus was chained to the **Caucasus as punishment**
  - Forced to **endure there much suffering** over a long period
- Prometheus **knows a secret** of which even Zeus is ignorant
  - Zeus sends Hermes, the messenger of the gods, to discover the secret, but Prometheus does not betray it







- Next the gods, with Zeus at their head, then caused **Hephaestus**, the god of the smiths, to make a statue of a woman, Pandora
  - Pandora was provided with all those external attributes which adorn human beings of modern times
- Pandora was sent to bring gifts from the gods to mankind, first to Epimetheus, the brother of Prometheus
- Prometheus warned his brother not to accept the gifts; but Epimetheus was charmed and persuaded
- All these “gifts” of the gods constituted human miseries and sufferings – only the last gift, hope, remained in Pandora's box

# REDEMPTION

- Prometheus can only be freed through the intervention of an initiate
- Such was Heracles, who performed the twelve labors
  - They symbolize the twelve tasks of initiation
  - The execution of these 12 was the achievement of an initiate
- Heracles was an initiate of the Eleusinian Mysteries
- Nevertheless, someone still had to be sacrificed – Chiron the centaur was sacrificed for Prometheus
  - Chiron was already suffering from an incurable malady
  - He was half animal and half man





# GOD WHO BUILT PAN (ALL) – DORA (GIFTS)

## Hephaestus, Greek god aka Vulcan, Roman god

- God of technology, blacksmiths, craftsmen, artisans, sculptors, metals, metallurgy, fire, and volcanoes
  - Served as the blacksmith of the gods
- Son of Zeus and Hera (who throws him off Olympus after birth)
  - Hephaestus was lame giving him a grotesque appearance to Hera
  - Builds thrones for the gods, Hera's throne binds her (like velcro)
  - Builds automatons to go up to and down from Olympus
  - Builds the chains used on Prometheus



# GOD WHO BUILT PAN (ALL) – DORA (GIFTS)

- Hephaestus, being the most unfaltering of the gods, was given Aphrodite's hand in marriage by Zeus in order to prevent conflict over her between the other gods (nerds get the girl, sort-of)
  - Aphrodite and Mars (first half of Earth Condition is Mars, now Mercury)
- **Vulcan**, Roman equivalent
  - Last Planetary condition
    - Earth – Jupiter – Venus – **Vulcan**





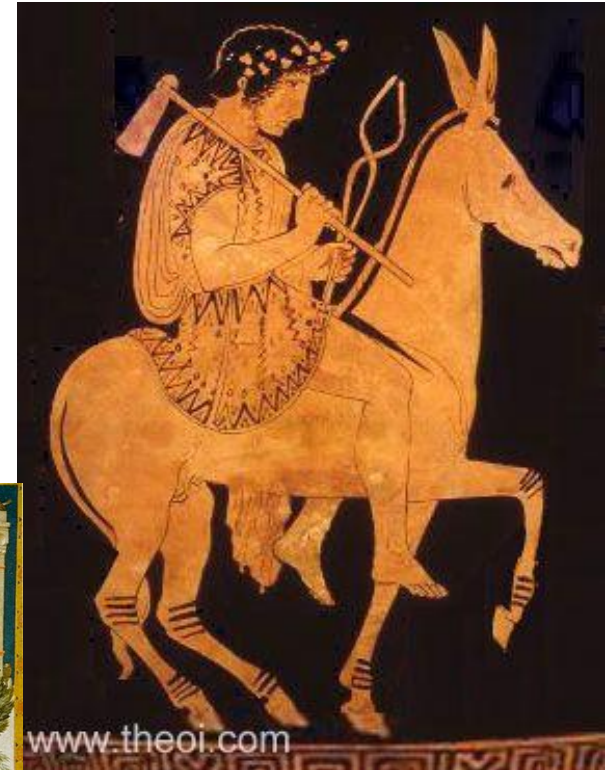
# MAKING SENSE OF SAGAS

- Compare Epimetheus and Prometheus to Abel and Cain
    - Fire knowledge with Prometheus and Cain
    - Double-edged sword: greed, our desires vs love for the work
  - Promethean thinking is what our Epoch must develop
    - It is Manas thinking, foresight
    - It is chained by Zeus (god of astral) to the rock, the mineral
      - Eagle/vulture (astral stomach) gnaws at our liver (etheric)
    - Thus Peter is the Rock upon which Christ's church is founded
  - Now our destiny is bound up with the inorganic mineral
    - Our astral body seeks its satisfaction within the realm of matter
    - For each step in progress there must be a retrograde
    - Atlanteans: astral work on etheric plane; now on physical
    - The First Great Initiate of humanity must take upon himself the whole of life's suffering
- Temple Legend, Lecture 4, 7Oct1904*

# RIDING ON A DONKEY ... (*RECALL KING SAUL*)



Christ  
enters  
Jerusalem



Hephaestus enters Olympus



# FOLLOWING THE FALL

- Only if he separated Mankind into two sexes could Jehovah sustain the human race

## Male Wisdom

- Fertilized by everything external being gathered and combined and assembled
- Not there at first
  - Had to be put together by perceiving physical world
- Becomes kingly wisdom
  - Symbolized by Cain

## Female Wisdom

- Transferred to priesthood
- Priest wisdom: Derives from ancient feminine wisdom
  - Symbolized by Abel

# OVERCOMING ONE'S SEX



- The female was the primeval force
  - This gave the world everything that was in the world as wisdom
- Fall: female element lost half her physical power of reproduction – transferred to the male
- Now is the time when re-spiritualization begins
  - The male power attempts to grab control for itself
  - The male element in thin-king seeks to outlast the female
- Coming: a time when sexlessness will again be re-established
  - The struggle is about which of the two sexes will attain this first





# WHY SOCIETY BECAME MALE DOMINATED

- A battle arose between the male and the female (priest) wisdom
- The old Freemasons employed male wisdom to work against the female wisdom that had been taken over by the priesthood
  - Masons had to be kept free of the female wisdom influence
- The great images of the Bible are from intuitive female wisdom transferred to the priests
  - Masons wished to counter with wisdom self-acquired by the male
- This battle was concerned with **physical evolution**
  - It was therefore necessary for Freemasons to avoid any contact with the female sex *as far as their work was concerned*
  - They knew that their opposition to the female spirit could only be carried through if they were *undisturbed by female thinking*
- Today, the task is to merge these within oneself



# IN THE BEGINNING WAS THE WORD – AND SO, IN THE FUTURE?

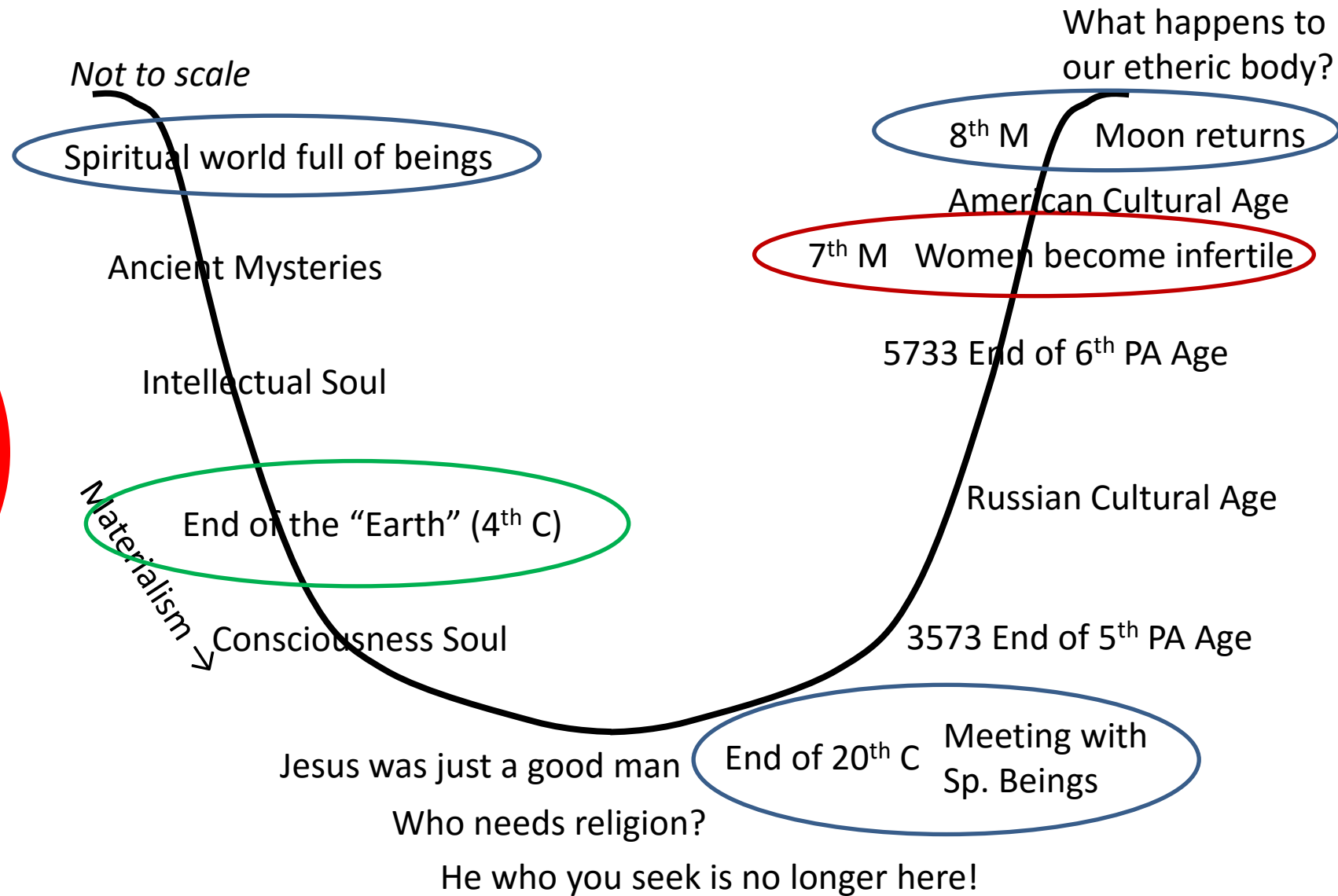
- Through the Word all things became
  - Originally it lived in man, then man lost it
  - We can no longer create independently because we no longer have the Word
- Only someone who was present at the Creation can know it
  - Tubal-Cain knew it and gave it to Hiram
- Whoever wants to regain the power of procreation must first gain possession of the Word
  - Occult connection: powers of speech and sexual production
  - The truly creative power must unite itself with the Word
  - The Word will bring forth the man of the future
  - Then the son of Hiram will really be seen
- Fire, the Divine Power, will then establish itself in a new way
- A new race will replace the old



# THE FUTURE REUNION OF THE SEXES

- Abel: Female image-wisdom – Cain: Imageless wisdom
- When an image-content was sought for the wisdom of Cain, it was borrowed from female wisdom and concealed in symbols
  - Temple Legend and the entire content of Freemasonry derives from the old priestly wisdom, from the revelation from above
  - However, the symbols gradually ceased to be understood
    - Everything occult vanished from Freemasonry
    - Three Craft Masonry degrees are now orientated wholly towards the physical plane
- The wisdom of the future must be brought out of the higher human, which **lives equally in both male and female**
  - Divided wisdom must flow together again in one Divine wisdom
    - A balance must be found between the religious priestly wisdom and the wisdom of Freemasonry
  - Example: Rose-Cross Meditation

# WHY WAS SEXUALITY IMPORTANT TONIGHT?

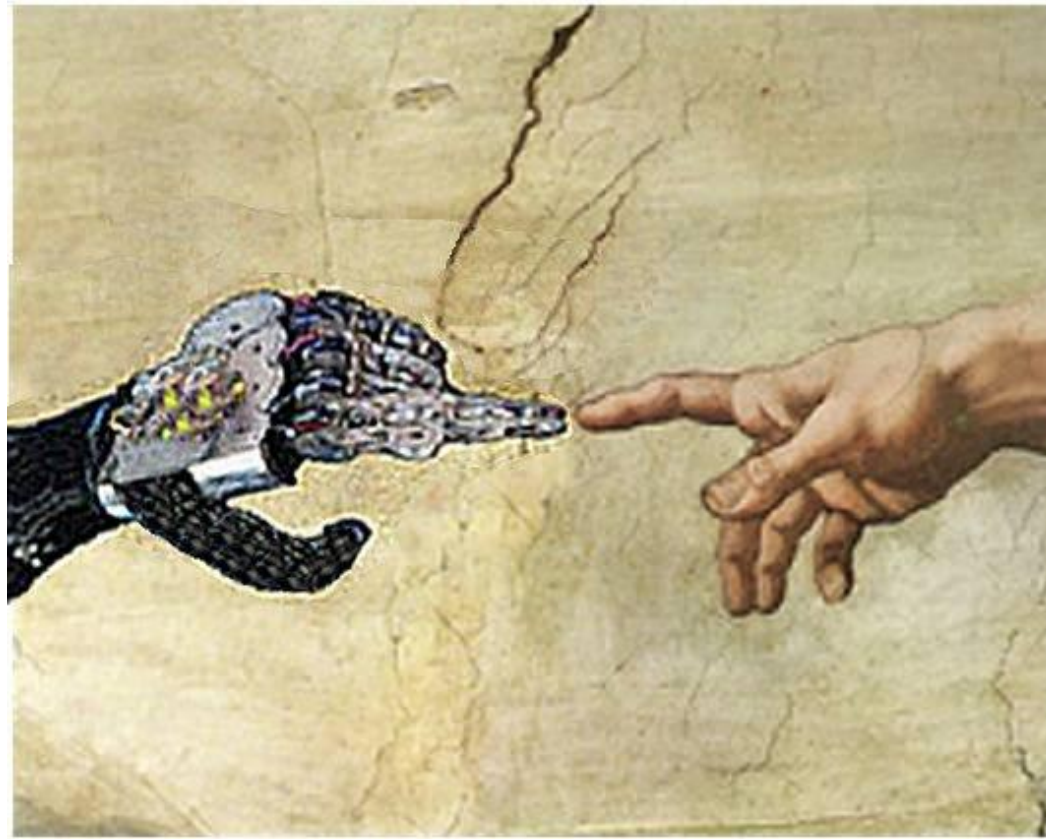




spirit

soul

life



# END PART 1

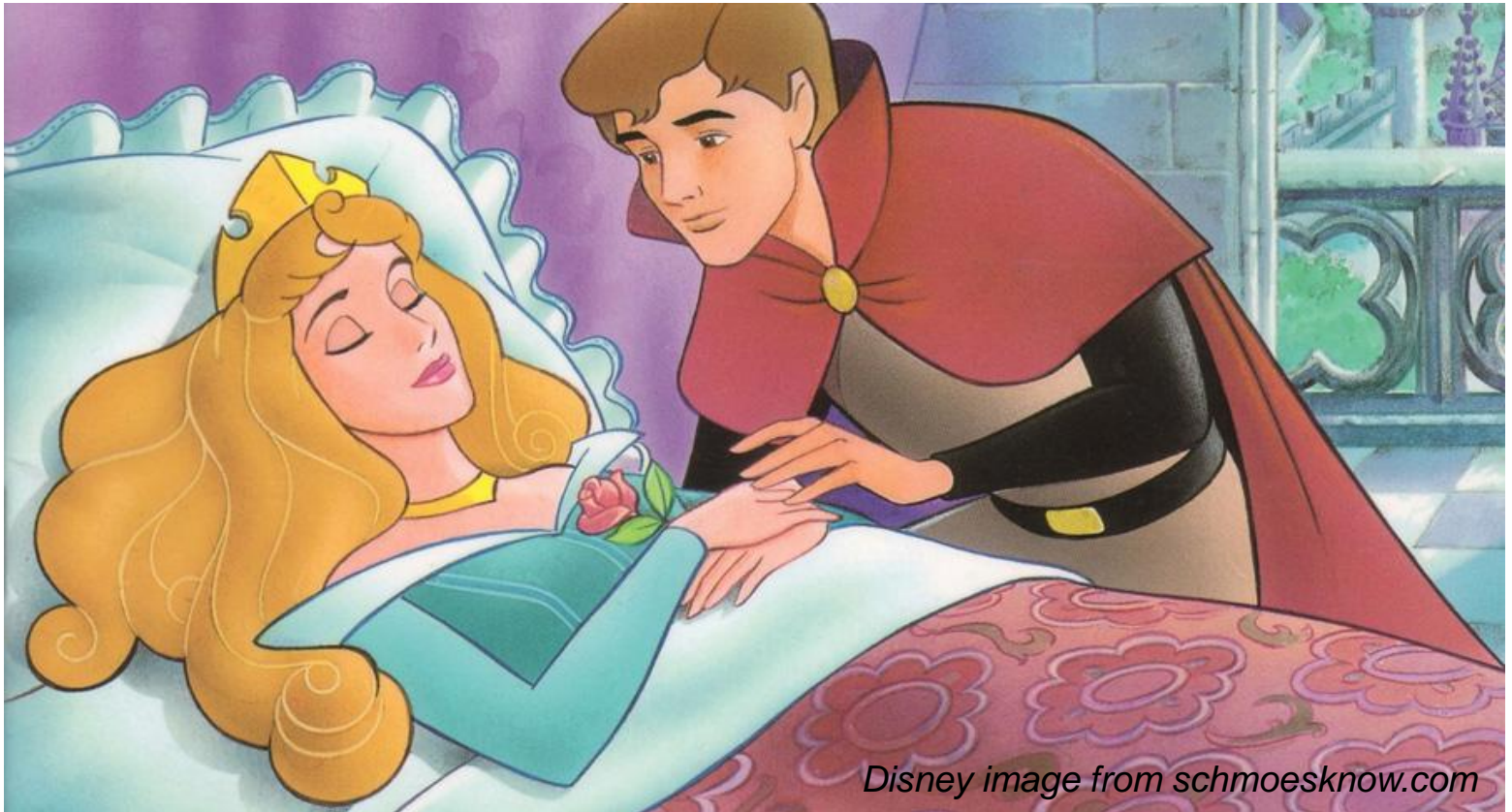


## 10 MINUTE BREAK

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

# THEMES ↓

- Overcoming Fear
- 1. Mythology
- 2. **Soul and Machine**
- 3. Evolution
- 4. Artificial Intelligence
- The Western Path



Briar  
Rose

Disney image from schmoesknow.com

spirit

soul

life



It is an indispensable condition of initiation that we should not wish things were otherwise.

R. Steiner

**MAN AND MACHINES:  
CAN WE BECOME FRIENDS?  
HEY, AREN'T THEY THE ENEMY?  
WILL WE BECOME THEIR  
ANGELS?**



# EVOLUTION OF MACHINE

- Cain tilled the soil
  - Tubal-Cain, a smith
- Labor saving
  - Transport e.g. chariot
  - Warfare e.g. catapults
  - Manufacturing e.g. spinning wheel
- Energy (whose will?) powers
  - From plant to animal to steam engine
  - From fossil fuel to electricity to ?



# GOING INVISIBLE (TO SATISFY AHRIMAN)



- Cloud computing
- Wearable computing
- In-the-body computing - nanobots

# MACHINES AS ROBOTS

## EXAMPLES:

- Hephaestus's automatons to/from Olympus
- [www.worldrobotics.org](http://www.worldrobotics.org)
- [www.ifr.org](http://www.ifr.org) (international federation of robotics)
- [SPARC](http://SPARC)
- [euRobotics](http://euRobotics)
  - A robot in every home
- National Institute of [Advanced Industrial Science and Technology](http://Advanced Industrial Science and Technology)
- [www.ParisTechReview.com](http://www.ParisTechReview.com)

WW race to market on-going



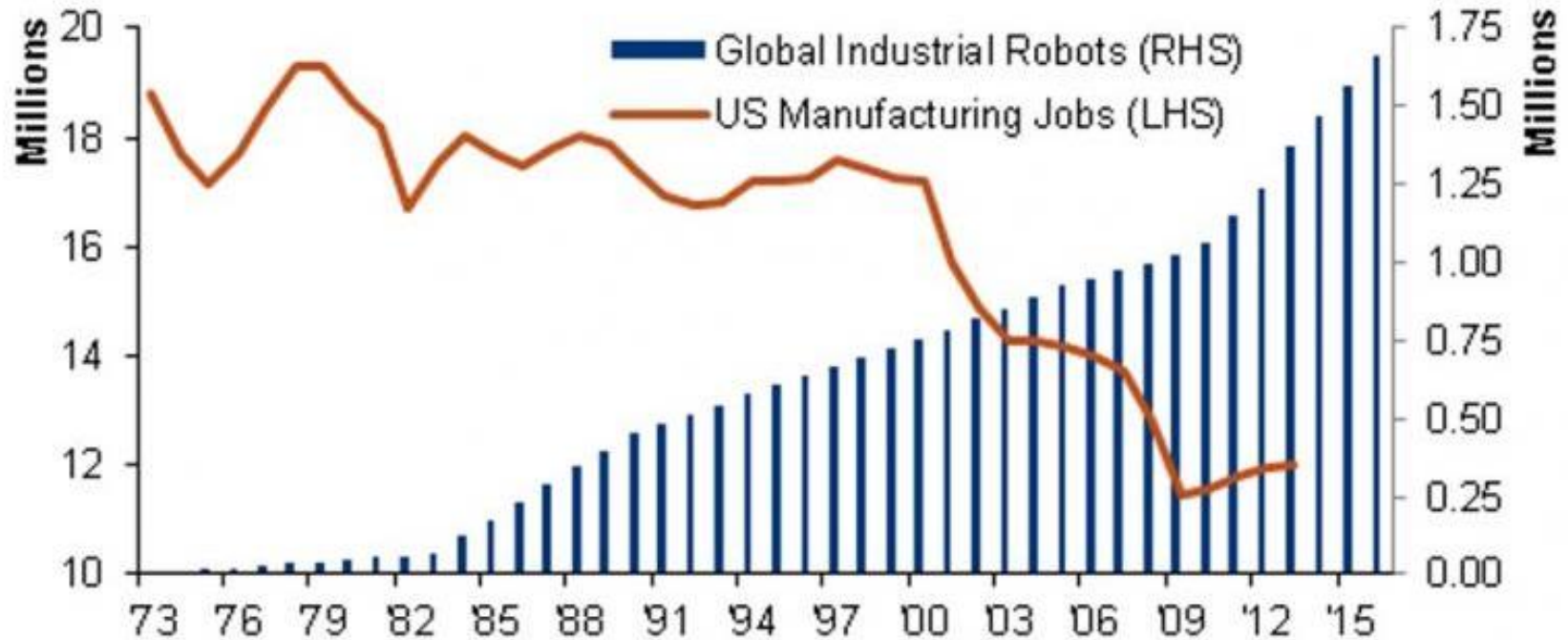


# ROBOTS IN MANUFACTURING



In the United States, agricultural employment fell from a majority of the workforce late in the 19th century, to less than two percent today – could that happen in Mfg.?

## IMPACT ON MANUFACTURING JOBS



- According to [PSFK](#), “The automation of labour is inevitable. Before the end of this century, 70% of today’s occupations will likely be replaced by automation.”  
*What sort of jobs will be left? Professional only?*
- No job is immune from impact: professionals, healthcare, design, art
  - Except, maybe, the performing arts





# CHANGE IN VOCATION

- Robots will obliterate America's middle class and unleash mass unemployment, social chaos and global populist revolts  
Source: [http://www.naturalnews.com/052787\\_robot\\_workers\\_massive\\_unemployment\\_populist\\_revolt.html#ixzz3yaTPa8ox](http://www.naturalnews.com/052787_robot_workers_massive_unemployment_populist_revolt.html#ixzz3yaTPa8ox) 1/28/2016
- In the future it will no longer be possible for people to bestow the warmth gained from the enthusiasm and joy derived from their work on the things produced – Source: Karma of Vocation, lecture 4, GA172

# ROBOTIC INTELLIGENCE CONTROLLING MACHINES (NOW LEGAL DRIVER - FED GOV.)

- Cars
- Trains
- Airplanes
- Space ships
- Mines
- Hazard cleanup
- Elder care
- Day care



# ROBOTS IN AGRICULTURE



- BoniRob is about the size of a small car
- Uses laser-radar vision system used by Google's self-driving cars
- Capable of stamping out two weeds a second

# ROBOTS IN HOME CARE

To Stepford Wives [[film](#)]



To shopping and protecting  
**AI Butler** coming soon

What is **missing** in robots?

- “Human” experience?
- Soul qualities?
- Artificial Soul possible?



# “HUMANIZING TECHNOLOGY”: THE FAMILY ROBOT

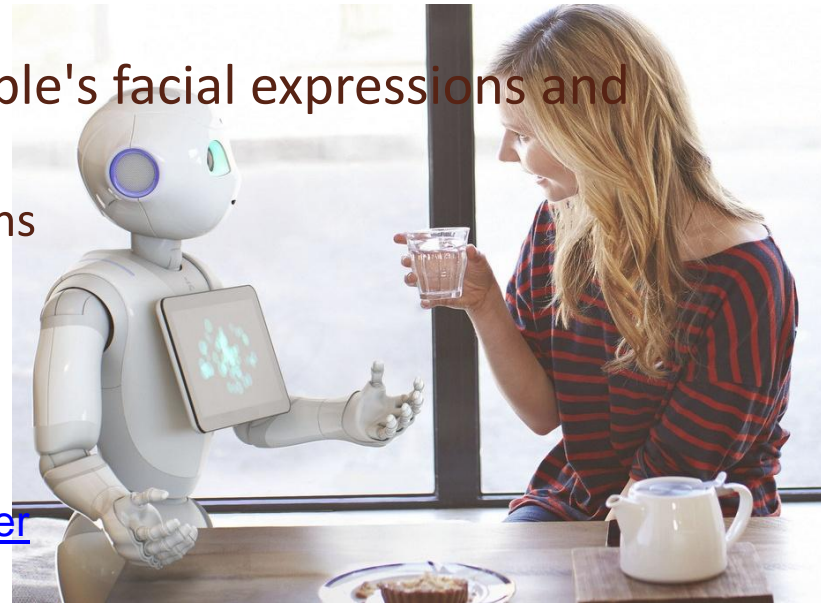
- <https://www.youtube.com/embed/3N1Q8oFpX1Y>





# ADD SOME PEPPER TO YOUR LIFE

- Emotion recognition functions: “able to read emotions”
  - These emotion functions are modeled on the human release of hormones in response to stimuli absorbed by the five senses
- Autonomous emotion generator for its own (artificial) emotions
  - by processing information from his cameras, touch sensors, accelerometer and other sensors within his “endocrine-type multi-layer neural network”
- Emotions are influenced by people's facial expressions and words, as well as surroundings
  - Affects Pepper's words and actions
  - Happy when praised
  - Scared when the lights go down
  - Raises voice or sighs



<https://www.aldebaran.com/en/a-robots/who-is-pepper>

# BATTLE FOR THE HUMAN WILL

- Robots and human movement

# MISSING

HAVE YOU SEEN THESE PEOPLE?



**DESCRIPTION:** Ambitious young adults with shovels during a snow storm, who are looking to make money by shoveling sidewalks, driveways, etc.

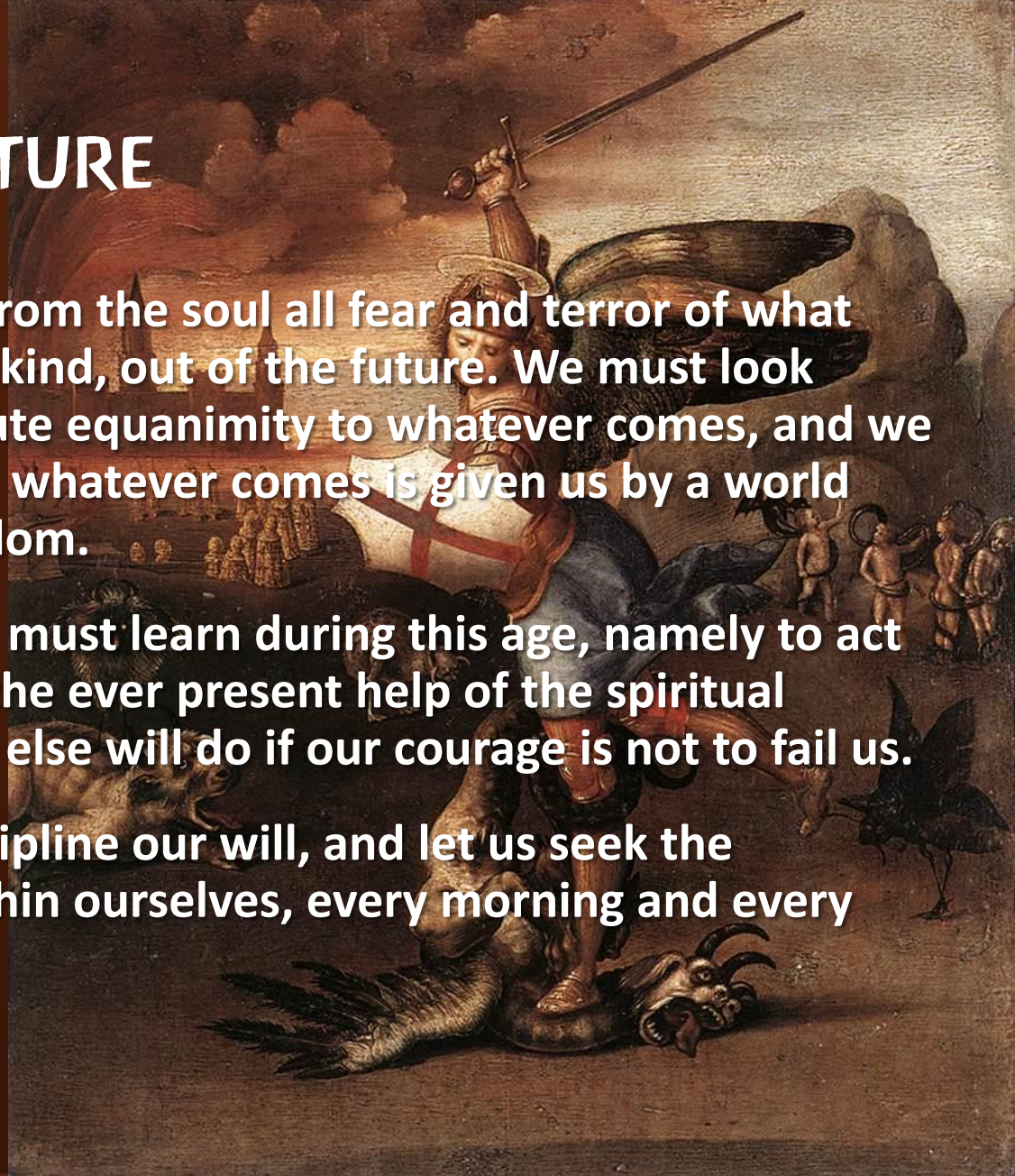
**LAST SEEN:** Sometime before the invention of Microsoft's Xbox, SONY's Play Station, and Nintendo's Wii home video consoles.



# 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





“We want to transplant your brain into an elegantly designed bionic body called Humai” (Human-AI). Is this Panpsychism?

# MAN AND MACHINE: INTELLIGENCE, CONSCIOUSNESS, IMMORTALITY, AND SOUL

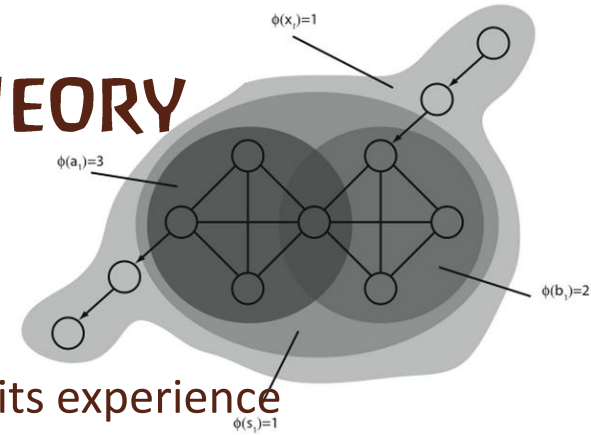


# HUMAI: IMPLANT A HUMAN BRAIN TO AN ARTIFICIAL BODY - *IS IT SIMILAR TO DRIVING A CAR?*

- “We’re using artificial intelligence and nanotechnology to store data of conversational styles, behavioral patterns, thought processes and information about how your body functions from the inside-out
- This data will be coded into multiple sensor technologies, which will be built into an artificial body with the brain of a deceased human
- The artificial body functions will be controlled with your thoughts by measuring brain waves
- After death we’ll freeze the brain using cryonics technology
- When the technology is fully developed we’ll implant the brain into an advanced artificial body”
- “As your brain matures, genetic engineering will help fight the aging process, while advancements in nanotechnology will offer extensive tissue repair and regeneration, including the repair of individual brain cells, one molecule at a time.”
- *How much of the soul’s activity is hereby “captured”?*



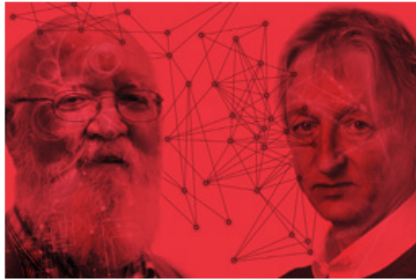
# INTEGRATED INFORMATION THEORY



- Postulates:
  1. Consciousness has *information* regarding its experience
  2. The experience is *integrated* to the extent that parts of an experience are informative of each other
- Framework to understand and explain (and engineer) the nature of consciousness
- Information is *the reduction* in uncertainty
  - Regarding the state of a variable
  - Conversely, it is what increases in specifying a variable with a growing number of possible states
  - The amount of information a conscious-system must hold should also be large
  - The *quantity* of consciousness in a system is measured by the amount of integrated information it generates

## Artificial intelligence: Turning our understanding of the mind right side up

Join CIFAR for a remarkable evening that will challenge your views on the divide between human and machine.



CIFAR Advisor Daniel Dennett, one of the most influential philosophers of our time, will share his new thinking about the nature of intelligence and human consciousness. He sees the first decades of artificial intelligence research as brave, brilliant, and largely wrong. But having climbed that ladder, he believes a new vantage point can reveal better ways of making intelligent computers and, ultimately, change our understanding of the human brain.

CIFAR Distinguished Fellow Geoffrey Hinton, the world's leading authority on a branch of artificial intelligence known as deep learning, will join Dennett on stage for a public conversation on how close we are to replicating human consciousness in machines and what this means for our understanding of cognitive science.

The evening will include a special tribute to Richard W. Ivey, former Chair of the CIFAR Board for his years of service to CIFAR.

Date: Wednesday, October 21, 2015

Time: 6:00 PM - 9:15 PM

Address:

Omni King Edward Hotel, Sovereign Ballroom  
37 King Street East  
Toronto, ON M5C 1E9

[Click here](#) to reserve your tickets by October 15, 2015  
\$120 per ticket  
\$80 Knowledge Circle members

## Upcoming Events

Wednesday, 30 September 2015  
**Doubt everything: How science is transforming the way we think and the world we live in.**

CIFAR Massey Talk

[Event details](#)

Wednesday, 21 October 2015  
**Artificial intelligence: Turning our understanding of the mind right side up**

Artificial intelligence: Turning our understanding of the mind right side up

[Event details](#)

Tuesday, 3 November 2015  
**Keynote speaker Eldar Shafir on scarcity at Prosper Canada's ABLE conference**

Keynote speaker Eldar Shafir on scarcity at Prosper Canada's ABLE conference

[Event details](#)

## News & Events

### Latest Headlines

# ARE WE ALREADY CYBORGS?

- Definition of Cyborg: *an organism to which exogenous components have been added for the purpose of adapting to new environments*
- Are children prepared?
- Extension of self
  - Mental
  - Also Physical
- Second virtual self
  - There 24 hr/day
  - Maintain
  - Attachment of 2<sup>nd</sup> being?
- Time & space
  - Compressed
  - Relaxed

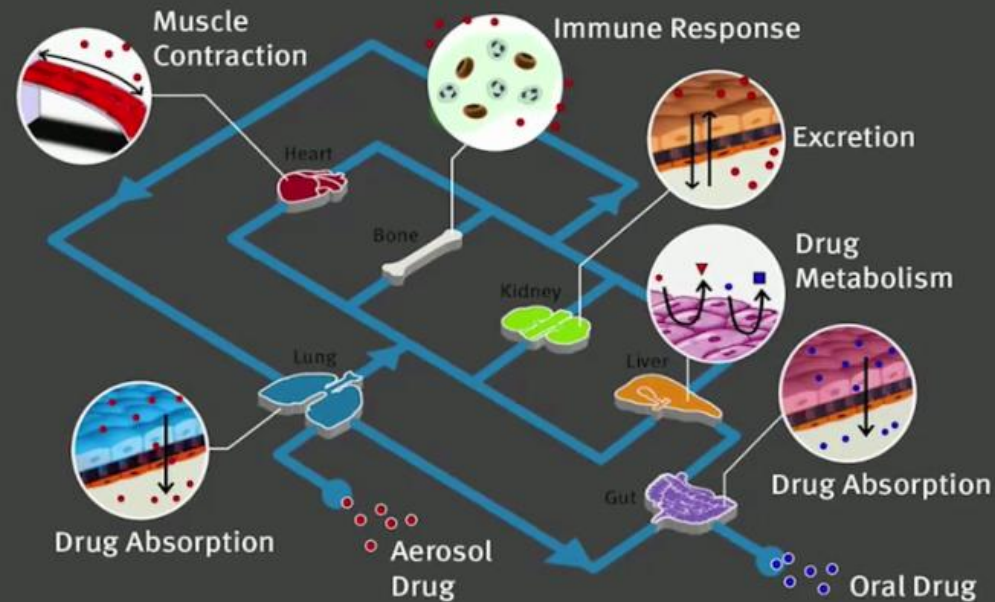


# IT'S 10 O'CLOCK, DO YOU KNOW WHERE YOUR KIDS ARE? – MACHINES CAN HELP

- VeriChip with RFID & GPS
  - Size = grain of rice
  - VIP clubbers
    - No place for money
    - Credit card
    - National ID
- Marketers' dream
- Scannable tag
  - Pets and livestock (ears)
  - Equipment
  - Immigrant, Alzheimer/diabetic, soldier,
  - Sex offenders, children, employee badge
- Readers monitor vital signs, whereabouts
- How difficult is it today to incarnate?
- Baby monitors – filling room with EMR







**The chip will help scientists  
test drugs directly on human organs**

## Meet the Tiny Chip that Mimics Human Organs

The humans of tomorrow might have their organs on a chip. Indeed, these devices may have already arrived. Here's



# SMART MACHINES OFFER EMANCIPATION

“FREEDOM’S JUST ANOTHER WORD FOR NOTHING LEFT TO LOSE”

Janice Joplin

- What do we dislike about our jobs?
  - People? Complainers, office politics, lack of teamwork, ...
  - Grunt work
- What can machines NOT do?
  - Is this what you like about your job?
  - Are we freed to be more creative, more human?
- Will we fall or rise as machines intimately enter?
- Created in Our (Human) Image
  1. Willing: Construction, transportation, weapons
  2. Feeling: Communications, manufacturing
  3. Thinking: Accounting, analyzing, modeling, databases, AI

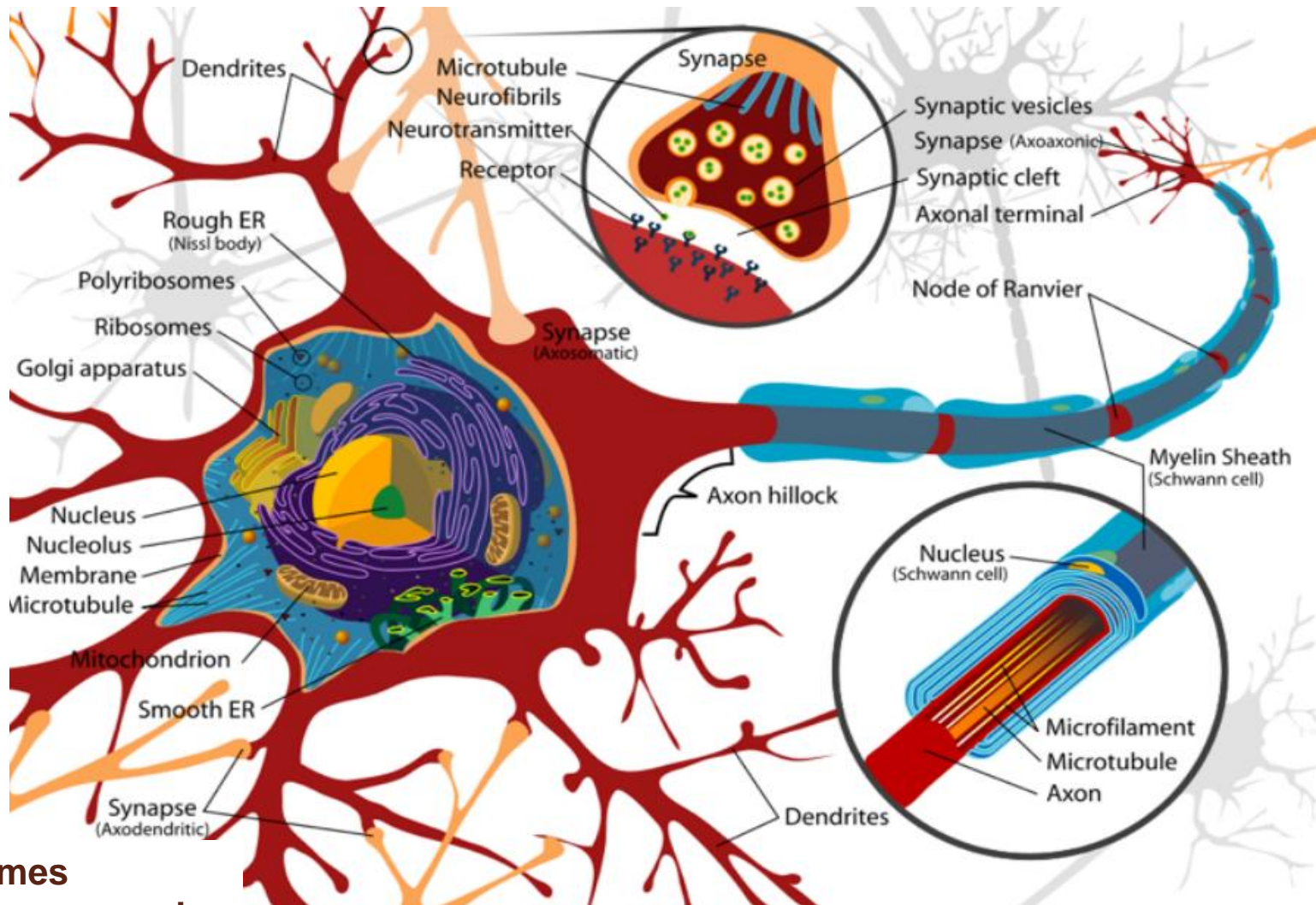


# IS HUMAN-LEVEL AI EVEN POSSIBLE?

The reasoning goes like this:

- If people are biological machines, then eventually we will **reverse engineer** them, and understand their workings
- Then, surely we can **make improvements**
  - With materials and technology not available to evolution
  - How could there not be something we can improve?
  - Design can overcome local minima, make great strides, try things much faster than biology
- OK, when might this happen? AI Industry claims:
  - 25% chance by 2030
  - 50% chance by 2040
  - 10% chance never

# REVERSE ENGINEERING THE BRAIN



Logic assumes  
Synapses correspond  
to Transistors

Neural Networks



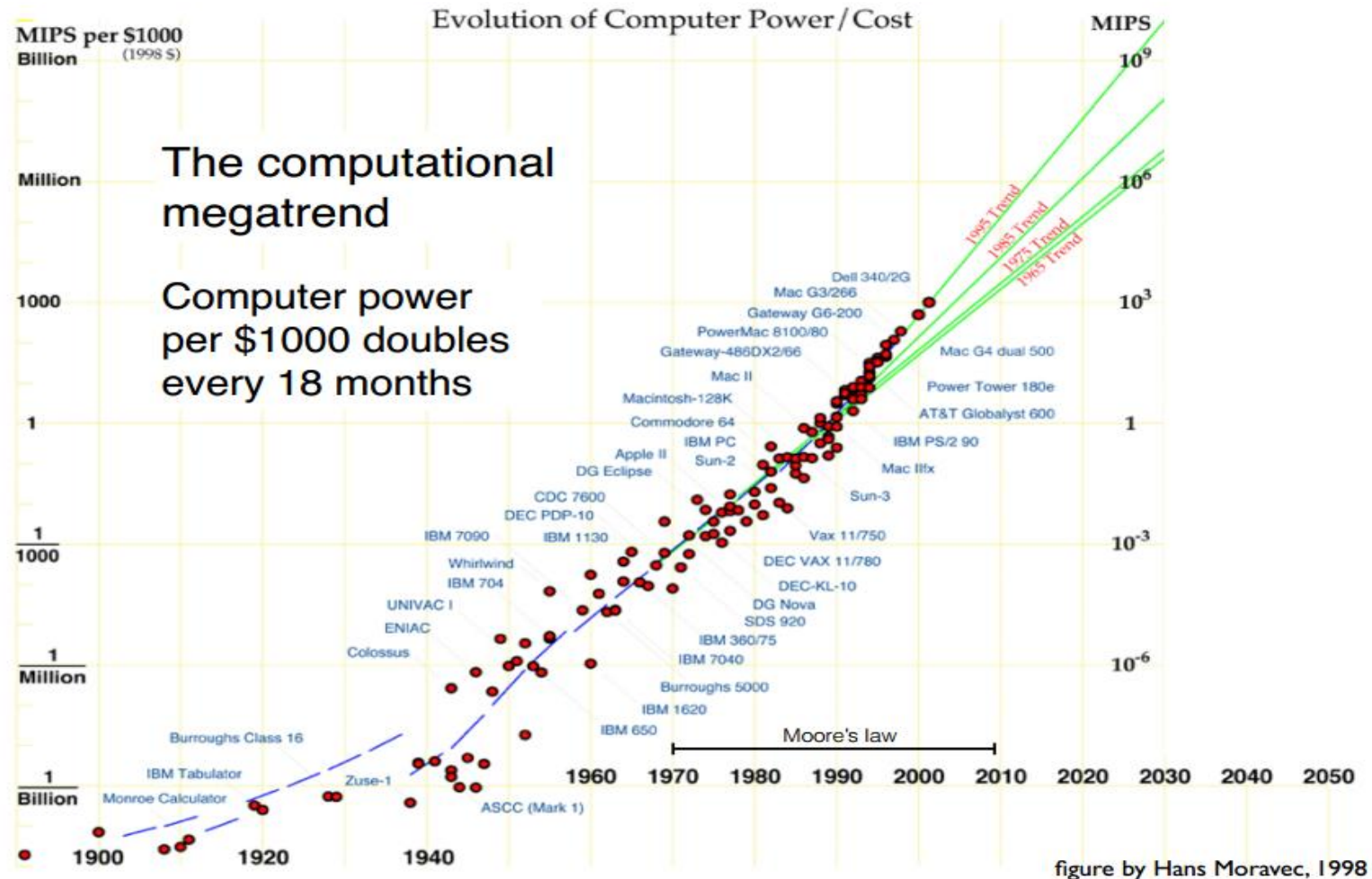


# U.S. BRAIN INITIATIVE

- To revolutionize our understanding of the human brain
- Center for the Neural Basis of Cognition
  - Carnegie Mellon University funded by the U.S. Intelligence Advanced Research Projects Activity (IARPA) for \$12 million
- Impact will likely be long-lasting
  - Promises to be a game changer in neuroscience and AI
- Improve performance of artificial neural networks
  - “By incorporating molecular sensors to monitor neural activity in combination with sophisticated optical methods, it is now possible to simultaneously track the neural dynamics of most, if not all, of the neurons within a brain region”
- Result in machines that have more human-like *qualities*

# WHEN WILL AI BECOME HUMAN-LEVEL?

“By 2025 these machines will have an IQ greater than 90% of the U.S. population. That ... would put another 50 million jobs within reach of smart machines.” Harvard Business Review, 2014



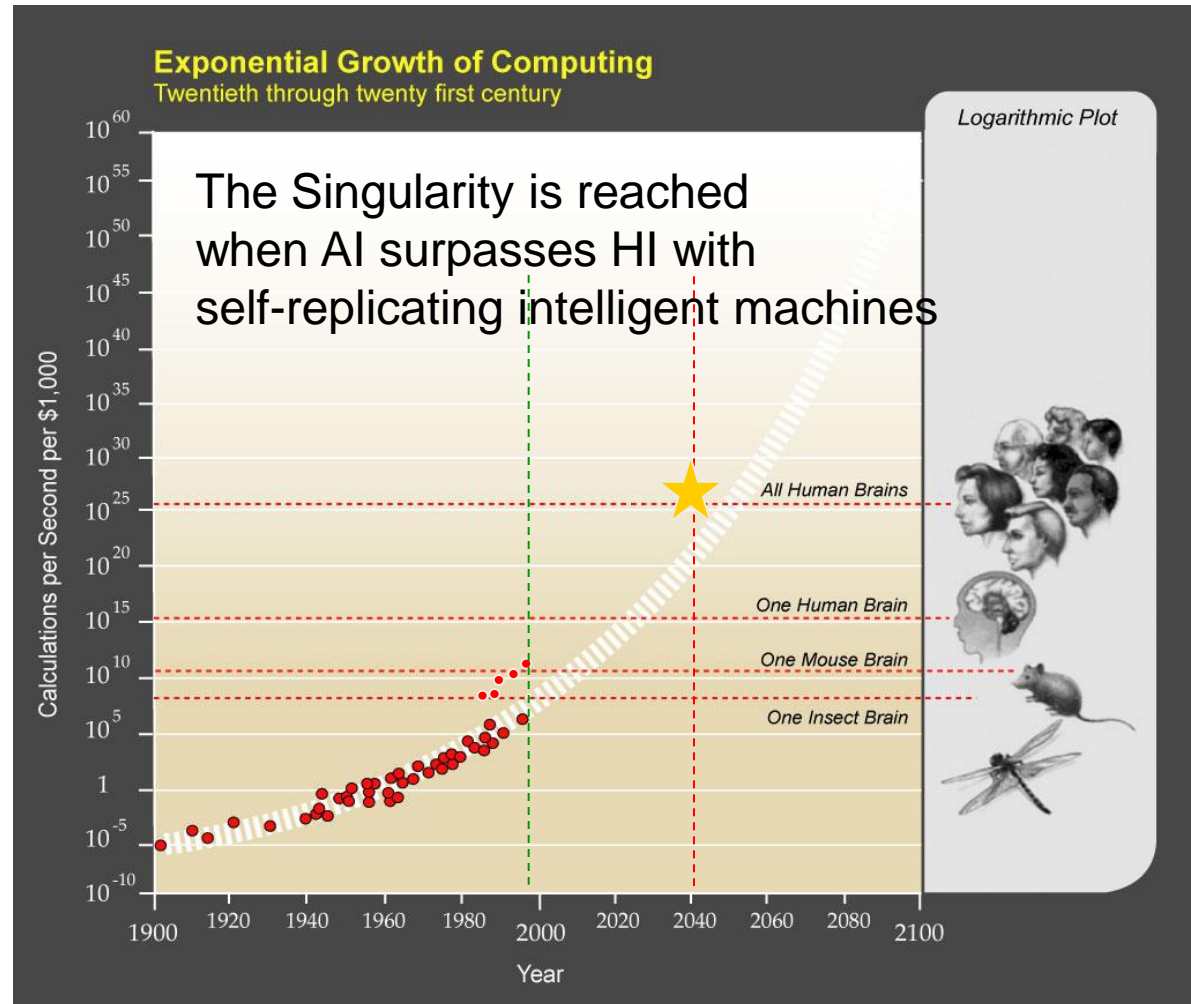
# WHEN SILICON BEINGS SURPASS CARBON

\$2000 computer, 2020 = human brain, 2045 =  $\Sigma$  all human

Law of  
Accelerating  
Returns:  
technological  
change is  
exponential as  
is the change  
in the *rate* of  
change

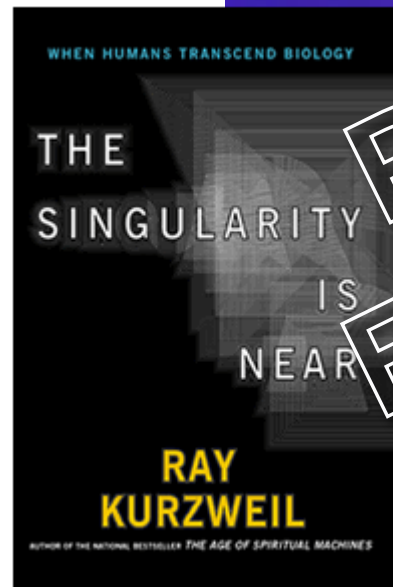
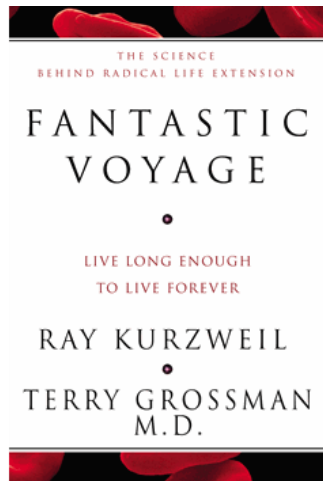
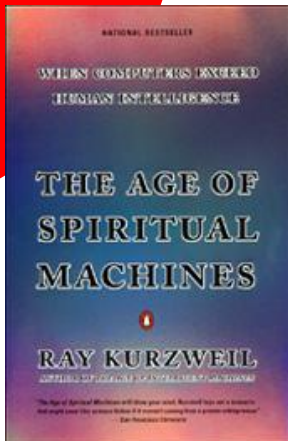
**Blue Brain Project**  
Mimic the Brain

[www.eetimes.com](http://www.eetimes.com), May 28, 2008



# RAY KURZWEIL'S VISION OF THE FUTURE

- Immortality is within our grasp
- When Humans transcend biology

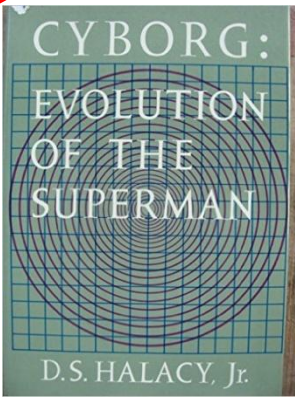


**Key: GNR**



# WHAT IS “GNR”? WHAT IS POST-HUMANISM

- Triune: **Genetics, NanoMedicine, and Robotics**
- Steiner: **Eugenics, Hygienic, and Mechanical Occultisms**
- D. S. Halacy's *Cyborg: Evolution of the Superman* (1965): new frontier at edge between ‘inner’ and ‘outer’ space; does a **bridge between mind and matter exist?**
- Ray Kurzweil: “Within a few centuries our successors will be able to redesign the entire universe **according to their own preferences**. Posthumans will eventually ‘**spiritualize**’ everything in the universe”
  - “This will be about as close to God as I can imagine” [egoism’s goal?]
  - “The **freeing of our thinking from the severe limitations of its biological form may be regarded as an essentially spiritual quest**”
  - From R. Kurzweil’s *The Singularity is Near*
- Hans Moravec: The boundaries between biological and postbiological intelligence will begin to dissolve
  - **Human equivalence is just the beginning, not an upper bound**
  - Asks us to speculate about a plausible, wonderful postbiological future and the ways in which our minds might participate in its unfolding
  - From H. Moravec, *Mind Children: the Future of Robot and Human Intelligence*





# FLI'S THE FUTURE OF AI, JAN. 2, 2015

When people finally come to understand the principles of intelligence—what it is and how it works—well enough to design and create beings as intelligent as ourselves:

1. It would change the way we work and play, our sense of self, life, and death, the goals we set for ourselves and for our societies
2. It would also be of significance beyond our species, beyond history
3. It would **lead to new beings** and new ways of being, beings inevitably much more powerful than our current selves
  - A fundamental goal for science, engineering, the humanities, ... for all mankind -- [http://futureoflife.org/misc/ai\\_conference](http://futureoflife.org/misc/ai_conference)
4. <http://www.techrepublic.com/article/humans-2-0-how-the-robot-revolution-is-going-to-change-how-we-see-feel-and-talk/>

# 2045 INITIATIVE

- Founded February 2011 by **Russian** entrepreneur Dmitry Itskov
- “Initiative aims to create technologies **enabling the transfer of an individual’s personality to a more advanced non-biological carrier**, and extending life, including to the point of immortality”
- “An international research center where leading scientists are engaged in research and development in the fields of **anthropomorphic robotics**, living systems modeling, plus brain and consciousness modeling with the goal of transferring one’s individual consciousness to an artificial carrier and achieving **cybernetic immortality**”
  - Fields of neural interfaces, robotics, artificial organs and systems



<https://www.youtube.com/watch?v=01hbkh4hXEk>

# 2045 INITIATIVE'S TIMELINE

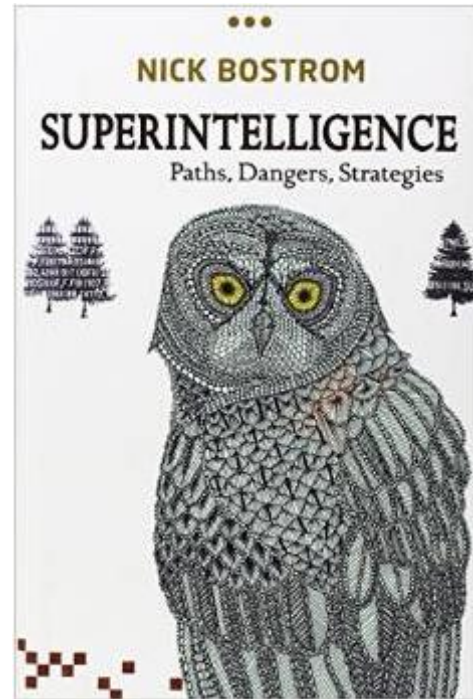
- **2015-2020** Affordable android "**avatars**" with "brain-computer" interface
  - Work in dangerous environments, perform rescue operations, travel in extremes
  - Avatar rehab of disabled patients, prosthetic limbs, recover lost senses
- **2020-2025** Autonomous life-support system **linking brain to a robot**
  - Avatar saves people whose body is completely worn out or irreversibly damaged
  - Any patient with intact brain will be able to resume a fully functioning bodily life
- **2030-2035** Computer **model of the brain and human consciousness**
  - Transfer individual consciousness to an artificial carrier: cybernetic immortality
  - Ordinary people will restore or modify their own brain multiple times
  - A real revolution in the understanding of human
- **2045** **Substance-independent minds** receive ***new extreme bodies***
  - A new era for humanity will have arrived! – **become a new species**
  - **Large-scale expansion into outer space becomes feasible**



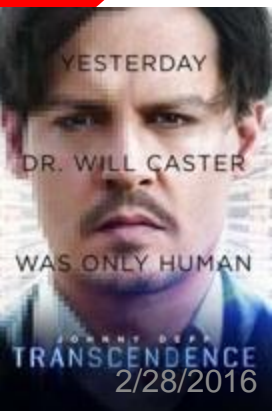


# ONWARD TO GOD-INTELLIGENCE

- “If some day we build machine brains that **surpass human brains** in general intelligence, then this new superintelligence could become very powerful. And, as the fate of the gorillas now depends more on us humans than on the gorillas themselves, so the fate of our species would **depend on** the actions of the machine superintelligence.”

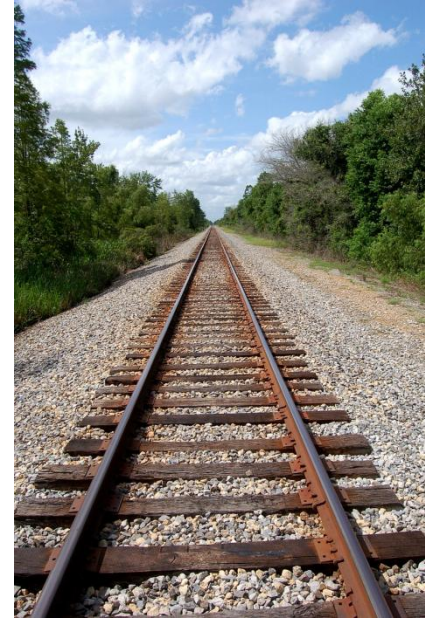


- “We do have one advantage: we get to build the stuff. ... It also looks like we will only get one chance. Once unfriendly superintelligence exists, it would prevent us from replacing it or changing its preferences.” – Nick Bostrom
- Will Superintelligence rival Godintelligence?
  - God the all-wise or super-AI or God is love?
  - For Good or Evil?



# IT IS NOT THE WHAT BUT THE HOW

- Futurologists see a What similar to Steiner's
- If such a 'hybrid' vision comes true
  - How soon will you want to incarnate again?
  - How is their vision different from Steiner's?
- Is this a de-humanized future?
  - Has such a dreary outlook ever occurred before in history?
  - Is our destiny better if Man and Machine do NOT merge?
- Body and Soul: What becomes of attaining Atma?
  - What will it mean to the Christ if our bodies cannot resurrect?
  - Members of SfSS: work with Lesson 2's mantram
- Are we getting helpful pictures from the spiritual beings who are preparing for the return of the moon?



# HUMAN CONSCIOUSNESS & THE BRAIN

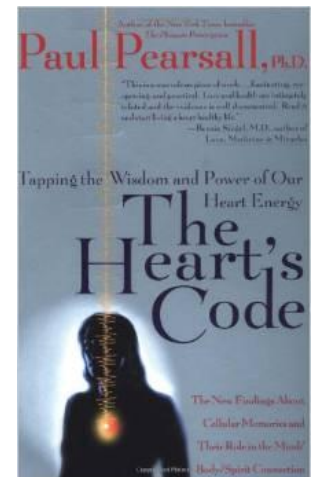
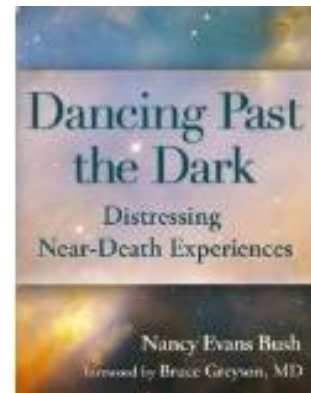
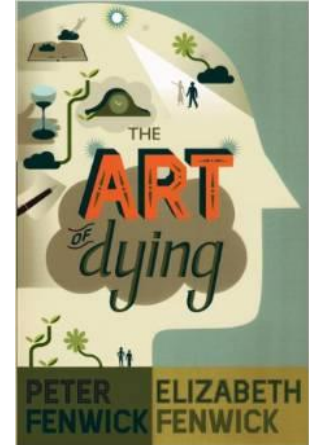
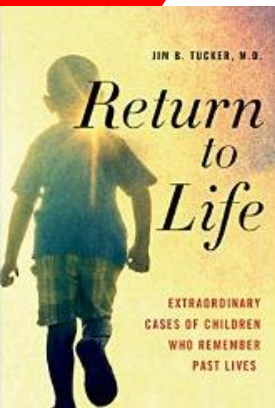
Will we “be there” once we reverse engineer the brain?

- Peter Fenwick
  - Eminent neuropsychiatrist
  - Academic expert on disorders of the brain
  - Research: end of life phenomena
  - **Consciousness may be independent of the brain and so able to survive the death of the brain**
  - Change attitudes so that we in the West can *face up to death*, to embrace it as a significant and sacred part of life
- Richard Greyson
  - Professor Psychiatry and Neurobehavioral Sciences, UVa.
  - Researcher in the field of near-death studies
    - <https://www.youtube.com/watch?v=Rtk644N2DDs>
    - <https://www.youtube.com/watch?v=en-3Bz1RMig>

## Paul Pearsall

- The heart is more than just a pump; it conducts the cellular symphony that is the very essence of our being
- Research on cellular memory of the heart
- Do memories move with transplanted heart? Other organs?

Jim B. Tucker *studies of recollections of past lives*

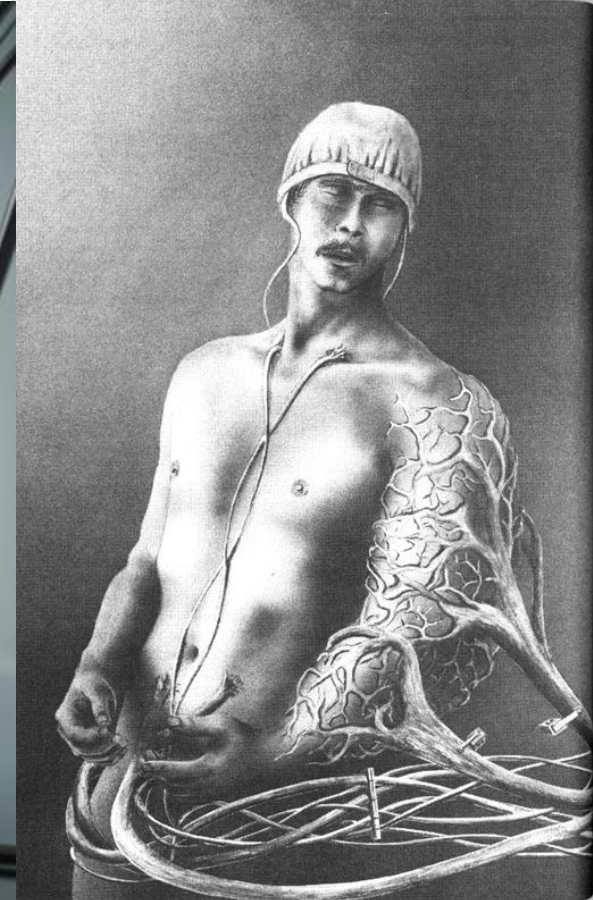




spirit

SOU

li



# MERGING MAN AND MACHINE

## PROSTHESES VIBRATIONS



# IS IT WRONG TO COUPLE MAN TO MACHINE?

## Improving Prosthesis

- From Captain Hook to ...
- Helping the maimed to live
  - Is this not the Christian thing?
  - Or is it one's karma (so do nothing)?
- Built in robotics – better than bio?
- Is this a slippery slope?
  - Temptation to change natural (weaker) for artificial?
    - Example: plastic surgery
  - How does the human soul & spirit deal with mechanical limbs?
    - Can Atma still be attained?
  - What does it mean for future generations?



# BIONIC EYE

- Allen Zderad was blind 20 yrs.
- Given a bionic eye implant
  - Created by Second Sight, Inc.
- Mayo Clinic (Raymond Iezz)
- Works by bypassing his damaged retina and sending signals directly to the optic nerve
- A small chip was attached to the back of the eye with multiple electrodes offering 60 points of stimulation
- Future version could have 1000 points of stimulation
- Source: <http://www.medicalnewstoday.com/articles/289863.php>



# BIONIC LIMBS

- Three Austrians have replaced injured hands with bionic ones that they can control using nerves and muscles transplanted into their arms from their legs
- His son, then 4, said proudly, "my father is a robot"
- Transplanted arm (from cadaver) would have meant taking anti-rejection drugs for the rest of their lives
- 98% of amputees report **phantom sensations**
  - Also see [mirror-touch synesthesia](#)
- Isn't this very expensive? – only for the rich?



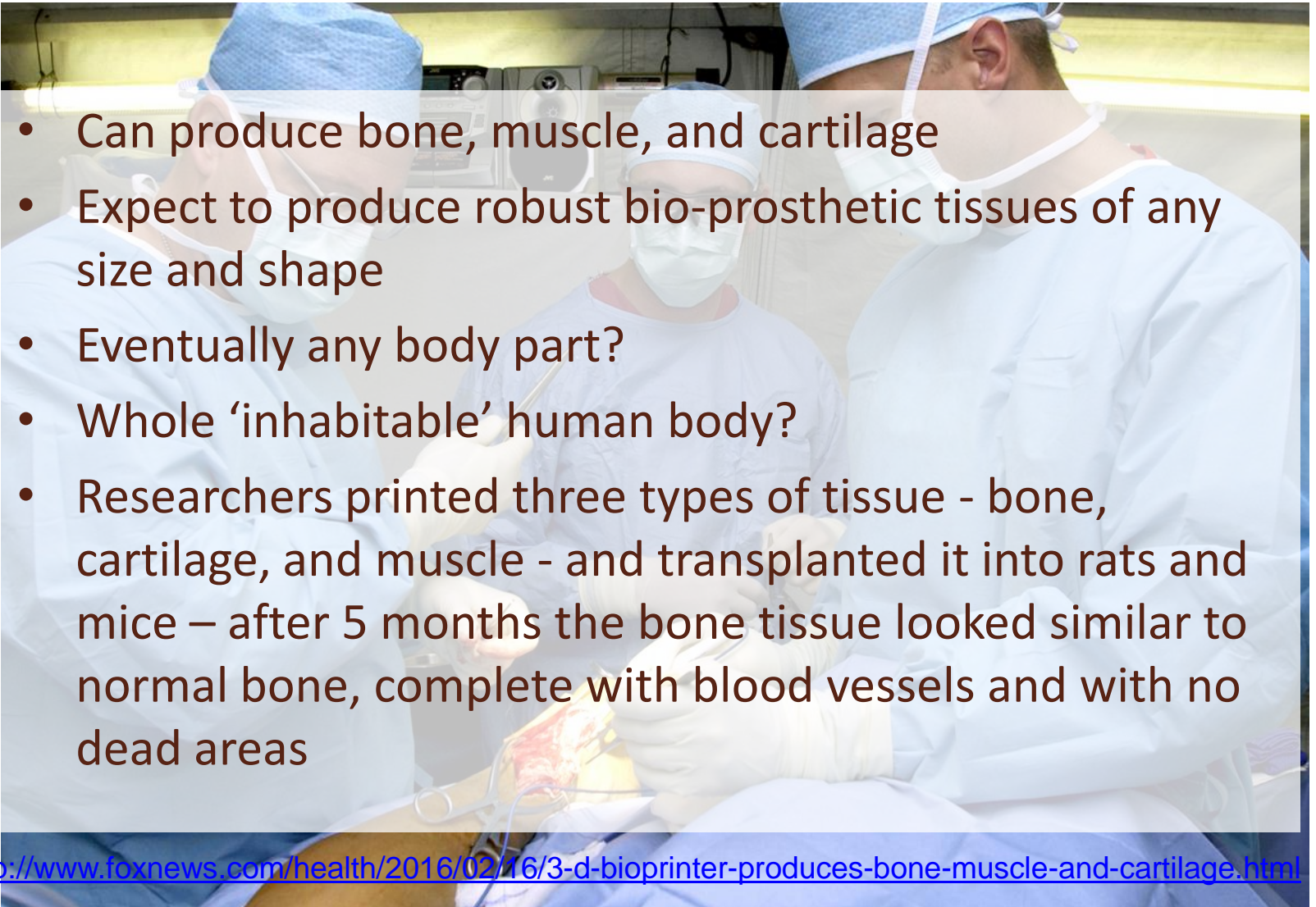
# BIONICS BECOMING AFFORDABLE

- Made with \$2000 3D Printer and inexpensive materials
- More: <https://www.youtube.com/watch?v=A6isKsPWubA>





# USING 3D PRINTERS TO MAKE BODY PARTS



- Can produce bone, muscle, and cartilage
- Expect to produce robust bio-prosthetic tissues of any size and shape
- Eventually any body part?
- Whole 'inhabitable' human body?
- Researchers printed three types of tissue - bone, cartilage, and muscle - and transplanted it into rats and mice – after 5 months the bone tissue looked similar to normal bone, complete with blood vessels and with no dead areas

<http://www.foxnews.com/health/2016/02/16/3-d-bioprinter-produces-bone-muscle-and-cartilage.html>

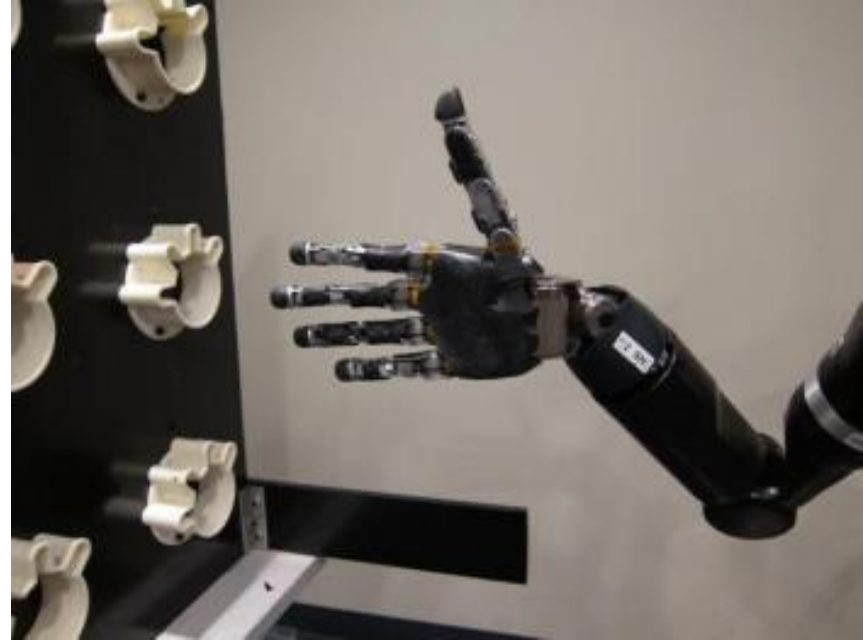
# LINKING THE BRAIN TO MECHANICAL ARMS



Link to [video](#)

# HOW IT WORKS

1. Record brain activity
  2. Set brain probes
  3. Train brain to use
    - Jan Scheurmann watched animations of movements and imagined them
    - The signals her brain sends to calibrate the system are recorded
    - Then "reading her thoughts" allows proper placement of probes she uses to move the hand
- Source: <http://www.medicalnewstoday.com/articles/287120.php>
  - Can the human change to accommodate machines?
    - Does neuro-plasticity play a role?





# RECENT NEWS (MAY 21, 2015)

- Erik Sorto, paralyzed a decade, was recently able to pick up a beer and drink it thanks to a robotic arm.
- “He's painted pictures, made the smoothies.
- It's a very good thing for our patients who are paralyzed to see such tech wizardry.”
- For ALS, severe strokes
- [Upright Paraplegics Show Improved Health Stats](#)
- [Wearable Robots on the Rise to Help Paraplegics Walk](#)





# INVESTMENTS NOW POURING IN

- “I'm getting quite a few questions lately regarding one of my favorite companies, **Ekso Bionics Holdings Inc.**(OTC:EKSO).
- “As you know, the company is tied into one of the most dynamic Total Wealth Trends of all - and potentially the most profitable, too - Human Augmentation. So I thought we'd revisit EKSO and, in the process, update some of the interesting stuff that's going on.”
- [www.totalwealthresearch.com](http://www.totalwealthresearch.com)



<http://eksobionics.com/ekso>

# NEUROPLASTICITY OF THE BRAIN

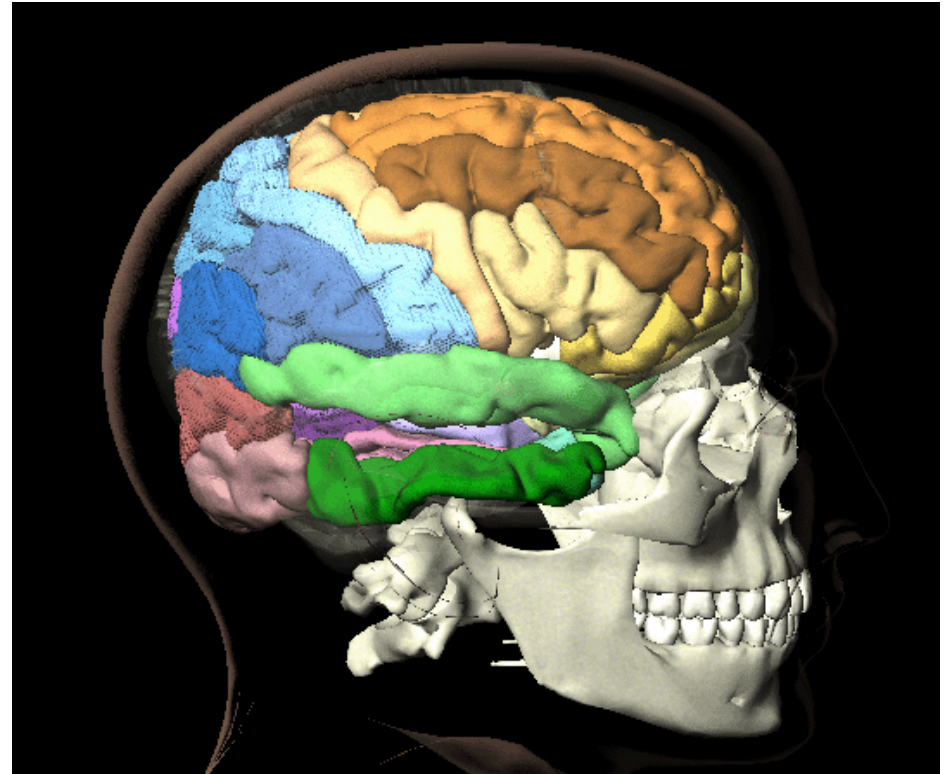
- Refers to changes in neural pathways and synapses due to changes in behavior, environment, neural processes, thinking, emotions, as well as changes resulting from bodily injury
- Known in vision improvements
- Leads to human trials on a broad scale for motor cortical implants to help quadriplegic or locked-in patients perform tasks and communicate with the outside world



# LEADING TO BRAIN AUGMENTATION

## Embed

- GPS & RFID
- Wireless internet
- Internet of Things
  - Wearables
- iPad functionality
  - Voice recognition
  - Connect vis-cortex
- Health sensors
- Psychological guides
- Might these be embedded at birth?



# VIRTUAL REALITY

## Imitation of the Etheric Realm



- Coming when oil runs out
    - Work from home
    - Over **Ether**-net
  - Wireless sensory augmentation
    - Implantation at or even before birth
    - It will become the norm
    - Visual & audio easy – how about touch?
  - A New Maya – a second “reality”
    - Mental context switch
    - Need for a threshold? Nanny or Guardian?
    - Much easier entry than to spiritual world
- Check <http://wevr.com/>





# MORAL QUESTIONS



- If someone is suffering, what do we do?
  - Christian impulse
  - Should we free someone in a biological prison?
  - Let them live a near-normal life
- Do we know what we are doing?
  - Risk/Benefit “equation” enough?
- Is there a role for illness? Suffering? Karma?
  - Who can judge if someone suffering should suffer?
  - Suffering and karma come from the good divine-spirits
  - Will illness itself evolve when we no longer have bodies?

# APPROACHES TO MECHANICAL OCCULTISM

Which  
side are  
you on?

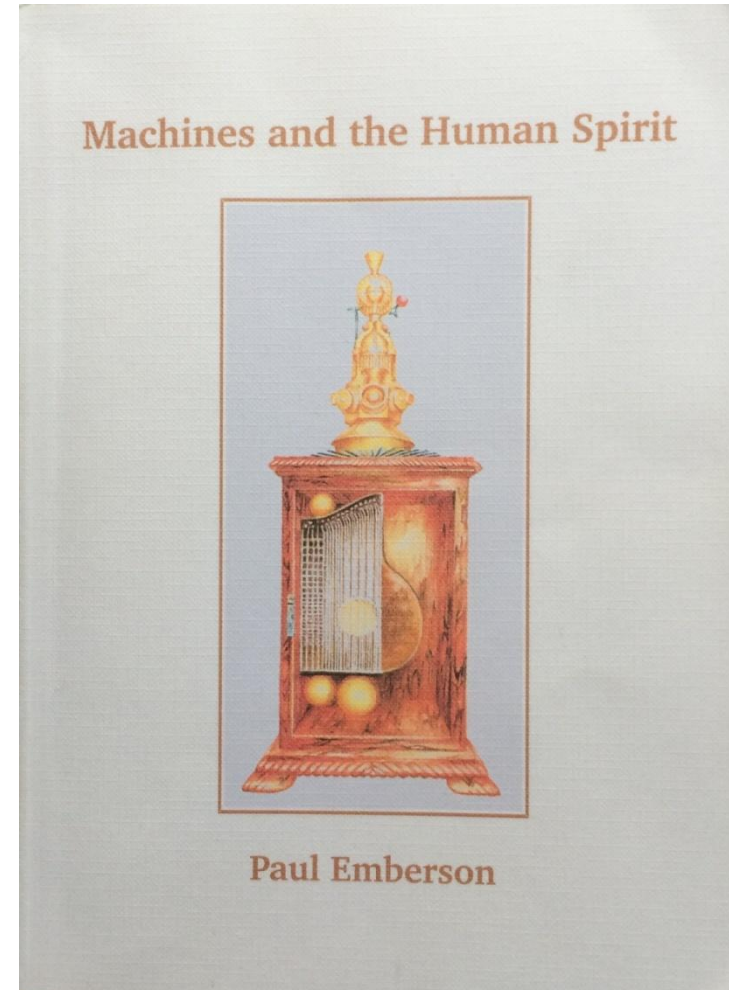
- Keely's pronouncements & indications obscured
- 1888: "Occultists generally believe that the **world is not yet ready** for the appearance of such terrible forces in the life of humanity. Man is too selfish, cruel, stupid, unsympathetic, bestial, to be entrusted with what in sober reality are secondary 'divine powers'." – Richard Harte, introduction to Mrs. Bloomfield-Moore's *Keely's Secrets*
  - Harte was secretary of the Theosophical Society in 1888
- Rudolf Steiner in *The Occult Movement in the Nineteenth Century* describes "**progressive and conservative sides**"
- **Strader / Mystery Plays**
- Intended to **transform social life**
  - Enables everybody to use this power in their own home
  - Nothing is said about its physical or technical characteristics
  - Maintains itself but cannot set itself going
- Technical realization miscarries
  - *The Soul's Awakening*
- **It should be done in America**
  - Wireless resonance

THE  
CHALLENGE  
OF THE  
TIMES

Rudolf  
Steiner

# LIFE AND MORAL TECHNOLOGIES

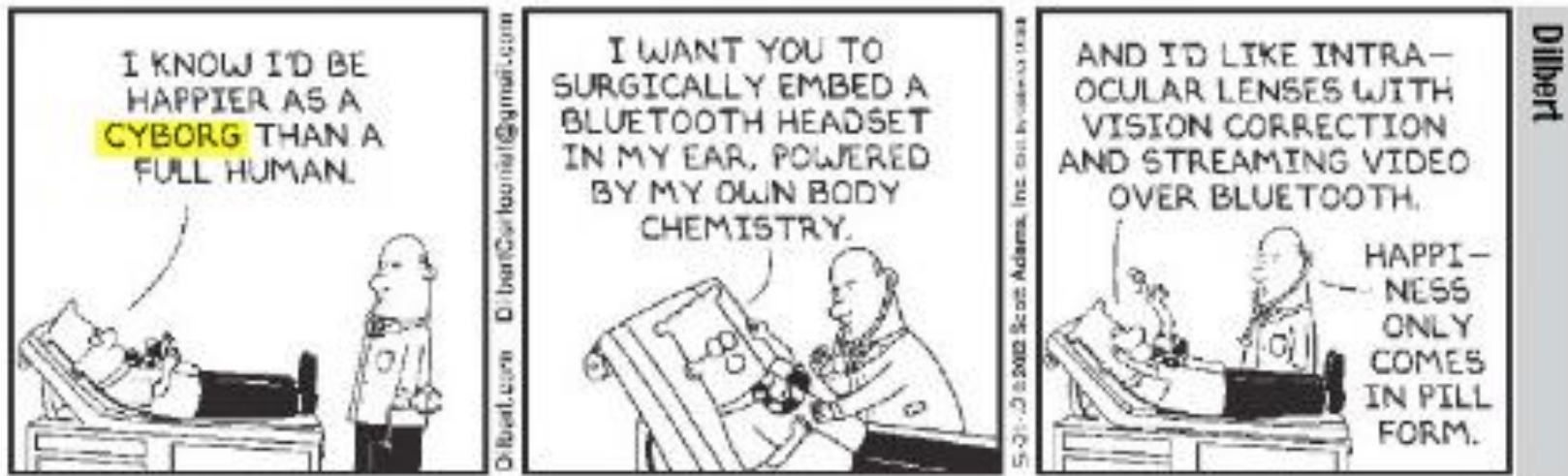
- “Introduce life into things he makes”
- “Whoever is doing this at the laboratory bench will have to be capable of drawing out of himself – let us call them the oscillations of his etheric body – and carrying them over into that which is to receive life”
- Knowledge of how to do this is guarded by the White Lodge and will only be released when men have learned the secret of sacramentalism”



spirit

soul

life



# MACHINES ENTER OUR FEELING LIFE





Trailer 3  
Play 2:32



Trailer 2  
Play 2:29



Trailer  
Play 2:03

## Ex Machina <sup>®</sup>

In Theaters April 10th, 2015 | © 2015 A24

Details

A young programmer is selected to participate in a breakthrough experiment in artificial intelligence by evaluating the human qualities of a breathtaking female A.I.

f t Official Website ▶

Director Alex Garland  
Writers Alex Garland  
Actors Oscar Isaac, Domhnall Gleeson, Alicia Vikander  
Genre Thriller, Science Fiction

Seduction of AI, **Fear of Machines** “taking over”, is this from Michaelic Insights? Robotic moral code?

How is Ahriman to be met, balanced?

# “I LOVE MY APPLE”

- “It’s in Apple’s DNA that technology alone is not enough.
- That it’s technology married with liberal arts, married with the humanities, that yields us the result that makes our hearts sing.”
  - Steve Jobs when announcing iPad2, March/2011
- Balancing
  - Cold Ahriman with
  - Warm Lucifer
- But ***Love*** our machines?



# OUR GOAL: DEVELOP LOVE AND FREEDOM

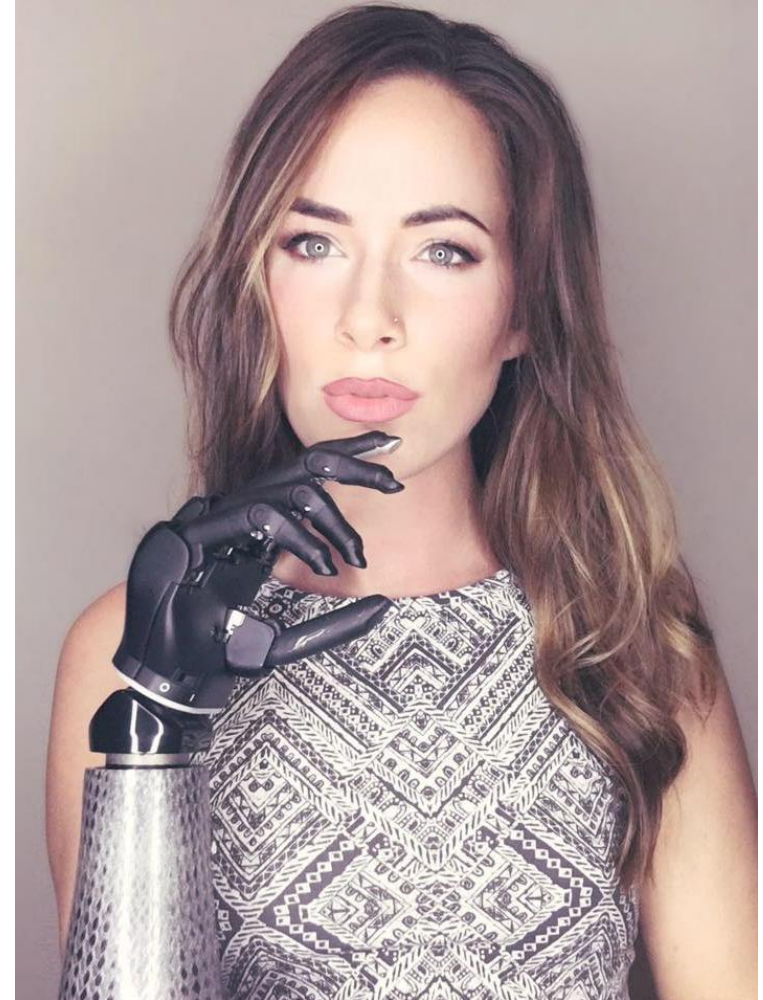
- Pygmalion
- He fell in love with it
- Pygmalion
- He lived like a statue
- When he first saw it, he was in love
- Pygmalion



*Pygmalion* by Jean-Baptiste Regnault, 1786, Musée National du Château et des Trianons

# WHAT CAN WE FALL IN LOVE WITH?

- Missing a finger?
- Missing an arm?
- Missing an arm & a leg?
- Transplanted face ?
- Can we love a person
  - With a pace maker?
  - With bionic eyes?
  - Who we know only through their avatar?

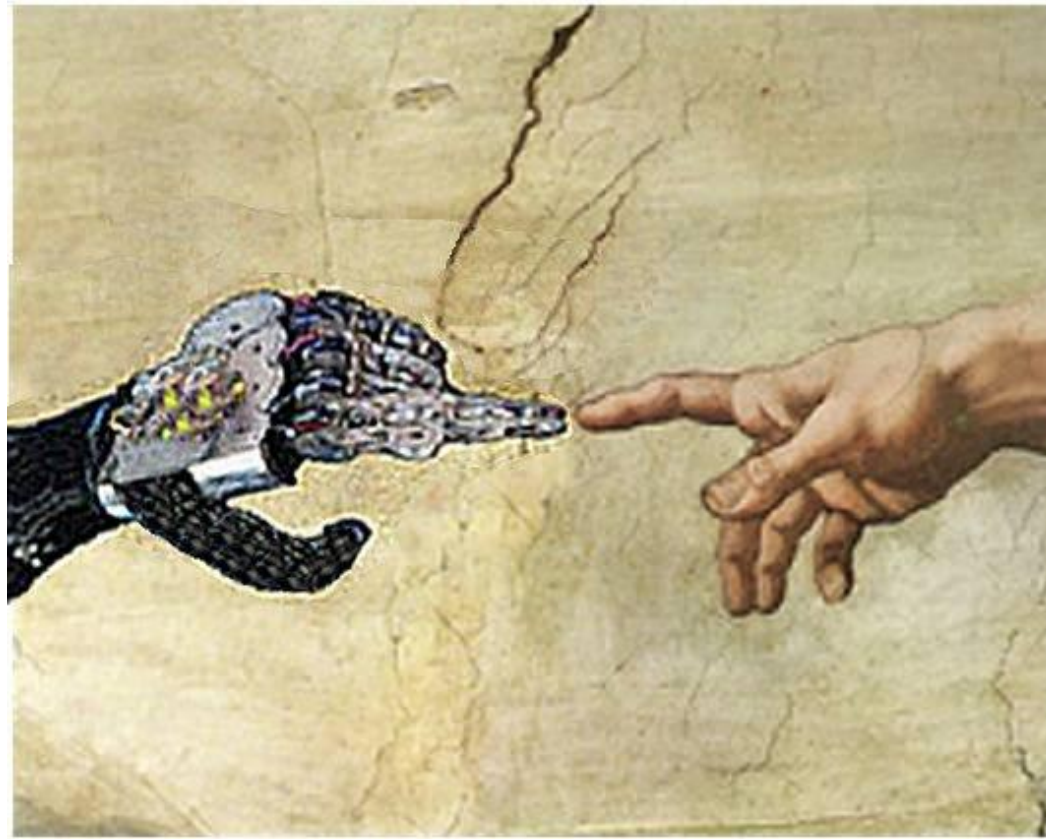




spirit

soul

life



## END PART 2



## 5 MINUTE BREAK

It is essential for the favorable effect of what Ahriman will bring to humanity —he will bring beneficial gifts too, just as Lucifer did— that we take the right attitude. The all important thing is that we do not sleep through Ahriman's arrival and fail to perceive it

Stuttgart, 28 December 1919



# 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?