

Third Edition

# Neuroscience

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# Encyclopedia Of Neuroscience Third Edition Third Edition

**SB Merriam**

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### **Encyclopedia Of Neuroscience Third Edition Third Edition:**

*The History of Neuroscience in Autobiography* Larry R. Squire, 2011-09-09 The seventh volume of *The History of Neuroscience in Autobiography* is a collection of autobiographical essays by distinguished senior neuroscientists in which they recount the events that shaped their lives and identify the mentors and colleagues who inspired them. The narratives provide a human dimension to the world of scientific research.

**Comparative Vertebrate Neuroanatomy** Ann B. Butler, William Hodos, 2005-09-02 *Comparative Vertebrate Neuroanatomy: Evolution and Adaptation* Second Edition Ann B. Butler and William Hodos. The Second Edition of this landmark text presents a broad survey of comparative vertebrate neuroanatomy at the introductory level, representing a unique contribution to the field of evolutionary neurobiology. It has been extensively revised and updated with substantially improved figures and diagrams that are used generously throughout the text. Through analysis of the variation in brain structure and function between major groups of vertebrates, readers can gain insight into the evolutionary history of the nervous system. The text is divided into three sections: Introduction to evolution and variation, including a survey of cell structure, embryological development, and anatomical organization of the central nervous system; phylogeny and diversity of brain structures; and an overview of various theories of brain evolution. Systematic, comprehensive survey of comparative neuroanatomy across all major groups of vertebrates. Overview of vertebrate brain evolution, which integrates the complete text, highlights diversity and common themes, broadens perspective by a comparison with brain structure and evolution of invertebrate brains, and considers recent data and theories of the evolutionary origin of the brain in the earliest vertebrates, including a recently proposed model of the origin of the brain in the earliest vertebrates that has received strong support from newly discovered fossil evidence. Ample material drawn from the latest research has been integrated into the text and highlighted in special feature boxes, including recent views on homology, cranial nerve organization and evolution, the relatively large and elaborate brains of birds in correlation with their complex cognitive abilities, and the current debate on forebrain evolution across reptiles, birds, and mammals. *Comparative Vertebrate Neuroanatomy* is geared to upper-level undergraduate and graduate students in neuroanatomy, but anyone interested in the anatomy of the nervous system and how it corresponds to the way that animals function in the world will find this text fascinating.

*The Human Brain During the Late First Trimester* Shirley A. Bayer, Joseph Altman, 2006-04-18 The fourth volume in the *Atlas of Human Central Nervous System Development* series, *The Human Brain During the Late First Trimester* provides new information about features of the perinatal brain. It deals with brain development during the late first trimester. GW11 GW7 5. The major theme of this volume is the identification of stretches and patches.

**PRINCIPIA OF SAPIENS - 1** Augustin Ostace, 2023-07-10 The author, Sapientologist, the publisher, Sapientologist, exists to the extent that he participates in his life and he relives the entire history and historiography of *Sapiens* distributed and redistributed to the mother planet Earth in the evolutionary form of 1 Archaic *Sapiens* ca. about 500 000-200 000 years ago 2

PreModern Sapiens ca about 200 000 50 000 years ago 3 Modern Sapiens ca last 50 000 terrestrial years and covering or crossing with his ancestors from 4 Genus Homo Anthropos Homo Habilis Homo Ergaster Homo Erectus all three Palaeolithic Eras of the last 2 5 million years 5 Early Palaeolithic Primary ca 2 500 000 500 000 years ago Middle Palaeolithic ca 500 000 50 000 years ago and 6 Upper Palaeolithic ca 50 000 10 000 years Before of Present Times BPT By being followed by 7 Early Neolithic ca about 10 000 7 000 years BPT of 8 Middle Neolithic ca about 7000 4000 years BPT and 9 Late Neolithic or Chalcolithic ca about 4000 2000 years BPT being followed by 10 Antiquity ca about 3000 Before Christ Era BCE 500 ADE or Anno Domini Era ADE 11 Middle Ages ca about 500 1500 ADE 12 Renaissance ca 1200 1600 ADE 13 Enlightenment ca 1600 1800 ADE 14 Modern Times 1800 2000 ADE and by 15 Millennium Three 2000 2023 ADE This phraseological and morphological way of presenting Sapiens in its biological and ontological Temporal Spatiality and Causality alike is an attempt to reveal text and videology summed up and amplified in the re understanding and restructuring of Sapiens being its very Unity in its uniqueness of Sapientological UniTotality The Sapiento conceptualized language in Principia Sapientica 1 this Sapiento symbolized alphabet in Principia Sapientica 1 this Sapiento abstract thought in Principia Sapientica 1 must be in its permanent and immanent textological and videological interweaving and re interweaving in the specific Eidological initiation and re initiation to all Sapiens as Sapiens speaking to oneself By the concept of Sapiens we understand the very concomitance and succession of the Being of Sapiens that is the ENS of Sapiens because the Spirit of Sapiens contains in itself the Principle of Sapiens that is principia per se nota By the fact that the Being of Sapiens belongs to itself being therefore an ENS of Sapiens it can be translated it can be figured or set and reset into configuration of a transcendence that involves divinity i e Deus est esse which can be done worthy into Sapiens as Creator or as Sapiens the thinker and Sapiens the conqueror With this Sapiens of creativity and non destructivity it is possible to save the Sapiens and planetary system alike by rethinking the sense of with this sign you will win In hoc signo vinces with with this Sapiens We will win In hoc Sapiens vinces By the fact that in our human mind or SapientoHuman mind there is the thrill of the Ultimate Ground of the Most Highness Deus presentissimus ipsi animae which implies an identification of Sapiens as principle and spirit in their togetherness with its own Being of Sapiens as ENS of Sapiens Our Sapientologist contains in himself both the Sapientological as well as the Ontological as a cognitive intellect towards the sapientological transcendent principia qua primum cadunt in intellectu The Spirit of Sapiens the Principle of Sapiens the Being of Sapiens which has the ENS in itself as vector and personality is therefore a being of self transcendence creating both Sapientologism actually an AnthroSapientic combination and Transcendentalism The Supreme Creator Himself who define man as a creative educational and instructive multi potentiality through which the man oneself is revaluating himself from generations to generations the sacred and the profane the mysterium tremendum and its mystical objectification the collective consciousness of Sapiens and the coincidence of opposites in Sapiens a line going through Homo Faber Homo Ludens and Homo Religiosus Therefore this man

this human or Sapientoman is condemned through his creation and becoming to creativity to freedom and perhaps to transcendence because the man the human oneself then SapientoHuman is not reducible only to instinct and sociobiological behaviour within a society of consumption and indifference but to what can elevate him to restructure its spiritually and creatively Sapiens is by itself biologically and ontologically a planetary singularity as a Species and perhaps a cosmological singularity but this Sapiens contains itself in its creative and inductive universality Sapiens in its form of Archaic Sapiens was born about 500 000 years ago possibly crossing the end of the Early Palaeolithic then the Middle Palaeolithic in the form of PreModern Sapiens and the Upper Palaeolithic in the form of Modern Sapiens with the version its Cro Magnon Man followed by the 3 Neolithic stages Homo Neolithicus then entering its developed cultures and civilizations into Antiquity Egypt Mesopotamia Persia India China Japan Greece Hellenism the Roman Empire Pre Columbian Civilizations followed by those of the Middle Ages the birth of the European States of the Renaissance Italy of the Enlightenment France of the Modern Times Europe the United States China Japan and the Beginnings of the Third Millennium so a total of 12 Eras from the Pleistocene Sapiens history of the Earth with co participation and co existence of Sapiens While the Great Anonymous Mass of Sapient populations of the last 50 000 years are the powerful impulse to preserve the Species the exceptional individuals of Sapiens are seen as vectors of leading Sapiens like 1 Great Hunters those who provided food for the group clan or tribe 2 The Great Gatherers those who managed to combine plant resources with animal food resources for the mixed nutrition of Sapiens thereby producing an increase in the volumetric capacity of the Sapiens brain 3 The Great Wizards those who ensured the health of the group clan tribe 4 The Great Shamans those who initiated the group the clan the tribe in the art of painting in the art of sculpture in the art of dance and the art of music 5 The Great Civilizing Heroes Plant and Animal Domesticators Fire Tamers Discoverers of the Wheel and Animal Traction Inventors of the Alphabet and Writing 6 The Great Initiates Rama Krishna Buddha Mahavira Kung Fu Lao Tzi Hermes Moses Orpheus Pythagoras Plato Jesus Mohammed 7 The Great Prophets Ramses Senmut Imhotep Hammurabi Samkhya Buddha Nagarjuna Dalai Lama 8 The Great Writers Prophets Senmut Imhotep Isaiah Jeremiah David Solomon Paul 9 The Great Philosophers Thales Kung Fu Lao Tzi Pythagoras Heracles Parmenides Plato Aristotle Leibniz Descartes Kant Hegel Heidegger 10 The Great Historical Leaders Alexander Macedon Julius Caesar Justinian Timur Lenk Genghis Khan Napoleon Wellington 11 The Great Scientists Thales Euclid Archimedes Newton Leibniz Planck Einstein Heisenberg Hubbles Fred Hoyle 12 The Great Artists Phidias Myron Scopas Praxiteles Polykletes Giotto Donatello Michelangelo Da Vinci Raphael 13 The Great Virtualists Bill Gates Jeff Bezos Mark Zuckerberg Elon Musk 14 Great Actors Thalma Clark Gable Anthony Quinn Lawrence Olivier Charlton Heston Paul Scofield Greta Garbo Deborah Kerr Ann Baxter Ingrid Bergman 15 Great Sportsmen Ian Thorpe Paavo Nurmi Johnny Weissmuller Nadia Comaneci Rod Laver Yvonne Goolagong Chis Evert Steffi Graf Raphael Nadal Pele Cruyff Van Basten Gerd Müller Michael Schumacher All of them acting in different eras and spatialities giving a strong impetus to the creative variability of the Species the preservation of the Species

and the variability of creativity of Sapiens being the very unity of opposites that offers the course of Sapiens through the history of our planet not infrequently controversial and destructive opening in the last 50 years and the conquest of the Solar System moving from the First Planetary Habitat to the Second CosmoSolar Habitat In Sapiens flows a whole planetary river of ascendants that evolved during the birth and evolution of Sapiens recalling here only 12 Categories Ascending from Sapiens 12SA or Descending 12SD from Sapiens Unicellular organisms Archae Bacteriae Prokaryotes and Eukaryotes Pluricellular organisms in Plants Fungi and Animals Kingdom Animalia Phylum Chordata Subphylum Vertebrata Class Mammalia The Primate Order The Hominid family Subfamily One of Hominins Subfamily Two of Australopithecus Genus Homo Anthropos and The Sapiens Species Let s reconsider the set of Gaia Hypotheses the Living and the Non living form a balanced and programmed whole with the set of CosmoGaia Hypotheses the Cosmos and the earth mutually inter conditioned giving birth to life with the set of BioGaia Hypotheses the inter conditioning of cosmological geological and biological giving rise to plurality and the ontological multidimensionality of the BioAbstracted Sapiens Through this inter conditioning between the great cosmological geological and biological natures the Natur Physis of the Earth itself the Nature that gives its own completeness and negations such as contraries of birth death anabolism catabolism systole diastole constancy variability thus becomes Nature Cosmophysis Nature Geophysis Nature Biophysis which in Sapiens reaches the culmination of Nature Ontophysis i e the human nature that has through abstract culture its own nature Finally I have to recognize that if I am doing if I am thinking and if I am writing what anybody else is doing is thinking and is writing then I am wrong I am in error and I am in misunderstanding Sapientologist of Sapiens Principle      **GREEK ONTOLOGY** Augustin Ostace,2018-12-06

Maybe through logos and through account or through proportions or rational faculty or through proportion to arise another reason to the ONTOLOGY i e the logos of the study of Being as such i e to the EXISTENCE in its metaphysical equivalency Could be thus by trying to understand and re understand to define and re define to think and to re think to assure and re assure the whole of Greek Essence upon which has been grounded the whole of the European history Would be the whole European philosophy and the whole European Science Art Culture and Civilisation to be found and re found within the basic network of Greek s concepts whatever in Philosophy Mythology Theology Science Technology Art Language Alphabet or Psychology an underlying organizational principle of the history of Europe as a common meaning in the last 2500 years Have been the Universe of Greeks concepts or Greek Conceptology or Greek Conceptologicum the account for true essence into European history for the true knowledge of European history as the most active force within the European history Our booklet called Greek Ontology is trying at least in part to give an answer to a such endeavours of European Civilisation Greek Ontologist      *ALMA MATER SAPIENSIS - EPISTEMOLOGY* Augustin Ostace,2017-05-09

When a place seeing as topos wishes to become intelligible noetos then that place must be circumscribed to the triad of educability instructively creativity by fulfilling thus the ontological thesaurus in human When a city seeing as stronghold aspires to become a polis of culture as

a Burg of Blessing then the Blissburg must build up a dwelling of learning an ALMA MATER likewise as mother of blessing Segensreiche Mutter who must be in the same time beneficent for the ontological increasing of the burg of the polis towards a spiritual prosperity of it ein Segenswunsch der BlissBurg When the Bistritz Blissburg geo located into the Eastward of European Latinity intercrossed by Greek culture Latin culture German Culture Magyar culture Slavonic culture Hebrew culture wishes to become an ALMA MATER BISTRICENSIS AMB then all creative forces of the area must overcome difficulties and uncertainties of a such endeavor by conjoining thus the jump from the Being of Society GesellschaftsDasein towards the Ontological Being OntologischeDasein by rethinking thus another dimension of the Species Sapiens itself towards UpSapiens in its maximal generality Up Sapiens in seiner Allgemeinerung i e a truly ALMA MATER SAPIENSIS AMS BEING OF SIEBENB RGEN SIEBENB RGENDASEIN **MANIFESTO OF SAPIENTIC POETRY** Augustin

Ostace,2019-02-18 Throughout of times of literature there have been many attempts in describing the implication of poetry of drama and of novel the basic three pillars of any kind of literature into the life of art philosophy psychology theology science or technology In ordering this lyrical endeavor of human creation since Art of Poetry done by Aristotle or ARS POETICA of the brilliants Latinists as Vergilius or Horace s dictum UT PICTURA POESIS or Ovid Through the ART POETIQUE of the French Encyclopaedist N Boileau another interpretation is done to the complicated and more complex of literature and poetry When in the beginning of the 20th century had been launched out some Manifestos of new orientation particular in poetry but not confined only to as Futurism Marinetti Rome 1904 Dadaism T Tzara M Ianco 1916 Imagism S Esenin Maiakovsky Mayerhold Moscow 1910 or Surrealism A Breton Artaud P Eluard Paris 1924 or Ultraism Lorca Madrid 1927 or Lettrism Isidore Isou Paris 1945 the interrelationship of poetry with the other arts has increased substantially All of these waves of lyrical creators in poetry in drama in prose in essay in novel in short novel or long novel in theatre in picture or sculpture or architecture had taken place throughout the world because the art the culture the civilization is the man itself by diffusing without borders among different cultures and civilizations and consequently the man is poetry itself WISDOM AND POETRY ARE THE SAPIENCE ITSELF **ENS IN DIALECTICAL CHAT - 2** Augustin Ostace,2023-11-03 AI MOTTO

Why are not enough the first three AERA of our previous AERAS namely AERA OF PHILOSOPHICAL SYSTEMS AERA 1 AERA OF SAPIENTOLOGICAL SYSTEMS AERA 2 AERA OF VIDEOLOGICAL SYSTEMS AERA 3 Being thus necessary a fourth thinkable and re thinkable Creative System the one of ARTIFICIAL INTELLIGENCE SYSTEM AI which in German Language is entitled as K NSTLISCHE INTELLIGENZ KI and both AI and KI are under the HYBRID INTELLIGENCE of Human and Artificial alike encoded as HI Therefore all three signification AI KI HI are provable into the sameness extra enlargement of the Classic Human Brain CHB This impetus in development of technological systems more and more intelligent more and more comprehensive more and more diversified more and more amplified comprising here at least for the time being information inspiration intuition and initiation widespread in areas of technology of industry of art of anthropology of

sapientology of cosmology of astronomy of geology and biology into which all of them means ultimately another big step up in development of duality Human Machine or a duality of Human Technology including the branches of Human Over Human Robotics or Humanoid Robotics The man itself the human itself the Sapient o Human development its experiences its visions its outcomes can make symbiosis with oneself a crossing with its nature of creativity within the nature physis of endless philosophy with tools out of stone with tools out of bones out of hood or of synthetic feature underlining once again the TOOL MAKER MAN as Homo Faber But now within the present data out of its own virtual reality and creativity all being improved by the man itself and the machine itself which machine might in turn overcome the man by confronting the man itself by changing and challenging even the human itself even the Human Sapient oneself in its own destiny and purposes Could be or could become the Artificial Intelligence AI KI HI the source and resource the roots of final ending of the Sapient on the Earth By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper complexity of Artificial Intelligence AI KI HI a recombination of the man itself with a machine created by the man itself could develop a symbiosis of human machine which overcomes the Classic Species Sapiens CSS who dominated the life on Earth in the last of ca 50 000 years by entering within the Species Sapiens Techne SST into which the Sapiens still dominate the Universe of Technology by reaching out in some area even the domination of Technology over Sapiens as TSS In this way within Artificial Intelligence seen and analyzed Three Times Intelligence i e AI KI HI the letters themselves the numbers themselves and the signs themselves are becoming the WORD itself the WORD itself is improved to the level of CONCEPT itself and the WORD CONCEPT DUALITY in their speeding up developing in their accelerated and amplifying structures is giving the outcome of the BOOK itself in its CLASSICAL BOOK CB in its digital book as E BOOK or in its VIRTUAL BOOK as V BOOK Only this multitude of the same BOOK in development of the same BOOK in diversity is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE in its three times of AI KI HI with its versions in German Language as K NSTLICHE INTELLIGENZ KI and HYBRID INTELLIGENCE HI which will be used and reused interchangeably at any reference or inter reference or cross reference in our ENS IN DIALECTICAL CHAT 1 What really means ENS in our Book of Dialectical CHAT ENS is a shortages from the Species Sapiens being thought and rethought as ENS i e as BEING of the Species Sapiens Within ENS will be comprise the whole of German Idealist connotation of Being as A SEIN BEING in its maximal generality B DASEIN BEING HERE on this planetary system C MITDASEIN COBEING HERE together with all past geological and biological times influencing and restructuring all basic features of the Planetary Life System It is possible to rethink the ENS INTO ONESELF RECHATING Would be ENS a synthesis out of Sapiens Is ENS a Being SEIN out of Sapiens Is ENS a Being here DASEIN out of Sapiens Is ENS is a CO BEING here MITDASEIN out of Sapiens Is ENS a triad of Being empowering the Sapiens oneself Is ENS a living self consciousness of the whole of Sapiens Is ENS a symbiosis between Sapiens and Artificial Intelligence AI KI HI Is ENS the dialectic vector of history of the whole Sapiens in overcoming oneself towards a better



Sapient o Technology towards a Sapient o post human industry in Art in Philosophy in Psychology in Theology The writer is now the reader the explorer is now the surveyor the survival is now the fighter by assuming a strong competition beyond of its own Species finally a semi human made device an Hybrid Intelligence HI between biology and technology both inspired by Bionics resounding in biology and technology alike To these multitude of answers we try to cope with in our On Line Book **ENS IN DIALECTICAL CHAT 1 AI Sapientologist ENSSANSKRIT SAPIENS - 1** Augustin Ostace, 2023-11-07 **MOTTO** Why are not enough the first three AERA of our previous AERAS namely AERA OF PHILOSOPHICAL SYSTEMS AERA 1 AERA OF SAPIENTOLOGICAL SYSTEMS AERA 2 AERA OF VIDEOLOGICAL SYSTEMS AERA 3 Being thus necessary a fourth thinkable and re thinkable Creative System the one of ARTIFICIAL INTELLIGENCE SYSTEM AI SYSTEM which in German Language is entitled as K NSTLISCHE INTELLIGENZ KI and both AI and KI are under the HYBRID INTELLIGENCE of Human and Artificial alike encoded as HI by remaking out of the complex concept Hybrid a developing towards HYBRIDOLOGY and HYBRIDOLOGICUM both in Sapiens interrelated the Artificial Intelligence Systems AIS INTELLENTOLOGY INTELLENTONTOLOGY INTELLENTOLOGICUM Therefore all three signification AI KI HI through a SYSTEM are provable and demonstrable into the sameness extra enlargement and expansion of the Classic Human Brain CHB which still remains anatomically within the same limits of Classical Sapiens CSS but in abstract creativity is doing an unspeakable progress beyond of all previous frontiers This impetus in development of technological systems more and more intelligent more and more abstract more and more comprehensive more and more diversified more and more amplified more and more accelerated by comprising here at least for the time being information inspiration intuition and initiation widespread in areas of technology of industry of art of anthropology of sapientology of cosmology of astronomy of geology and biology into which all of them means ultimately another big step up in development of duality Human Machine or a duality of Human Technology including the branches of Human Over Human Robotics or Humanoid Robotics The man itself the human itself the Sapient o Human development its experiences its visions its outcomes can make symbiosis with oneself a crossing with its nature of creativity within the nature physis of endless philosophy with tools out of stone with tools out of bones out of hood or of synthetic feature underlining once again the TOOL MAKER MAN as Homo Faber likewise a Proto Sapiens Being as Homo Loquens Perhaps the proto language begun through the action of hand hitting the stone enlarging thus the brain and the understanding of the world and of the proto human oneself But now within the present data out of its own virtual reality and creativity all being improved by the man itself and the machine itself which machine might in turn overcome the man by confronting the man itself by changing and challenging even the human itself even the Human Sapient oneself in its own destiny and purposes Could be or could become the Artificial Intelligence AI KI HI the source and resource the roots of final ending of the Sapient on the Earth By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper complexity of Artificial Intelligence AI KI HI a recombination of the man itself with

a machine created by the man itself could develop a symbiosis of human machine which overcomes the Classic Species Sapiens CSS who dominated the life on Earth in the last of ca 50 000 years by entering within the Species Sapiens Techne SST into which the Sapiens still dominate the Universe of Technology by reaching out in some area even the domination of Technology over Sapiens as TSS In this way within Artificial Intelligence seen and analyzed Three Times Intelligence i e AI KI HI the letters themselves the numbers themselves and the signs themselves are becoming the WORD itself the WORD itself is improved to the level of CONCEPT itself and the WORD CONCEPT DUALITY in their speeding up developing in their accelerated and amplifying structures is giving the outcome of the BOOK itself in its CLASSICAL BOOK CB in its digital book as E BOOK or in its VIRTUAL BOOK as V BOOK It is a form a derivative structure of Hindu Philosophy here called AVATAR Avatar as embodiment of a Deity its soul its spirit its principle into a Human Being into a Hybrid Human Being Avatar as a descent of heaven Deity a released soul and spirit and principle on Earth by rethinking thus a reconciliation between Terra Incognita with Sapiens Incognita and Heaven Incognita Avatar as a Seeker of reuniting of dream and reality of World Wide Web WWW with Sky World Web SWW by going through ENS WORLD WEB EWW Avatar as Being of Earth GEOAVATAR as Being of Sapiens ENSAVATAR as Being of Heaven SKYAVATAR Avatar as a Being coming out of Sapiens as Being of Sapiens then taking the final syllable of SA PI ENS being thus re baptized as ENSAVATAR Avatar by giving itself a sense of Being in the World Only this multitude concepts of Avatar is remaking the Books through ENSBOOK in development of the same double E BOOK in diversity is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE in its three times of AI KI HI with its versions in German Language as K NSTLICHE INTELLIGENZ KI and HYBRID INTELLIGENCE HI which will be used and reused interchangeably at any reference or inter reference or cross reference in our ENSSANSKRIT SAPIENS which in turn is becoming an ENSSANSKRIT SAPIENS 1 What really means ENS in our Book of Dialectical CHAT ENS is a shortages from the Species Sapiens being thought and rethought as ENS i e as BEING of the Species Sapiens Being as Being as ENS QUA ENS Within ENS will be comprise the whole of German Idealist connotation of Being as A SEIN BEING in its maximal generality B DASEIN BEING HERE on this planetary system C MITDASEIN COBEING HERE together with all past geological and biological times influencing and restructuring all basic features of the Planetary Life System It is possible to rethink the ENS INTO ONESELF RECHATING Would be ENS a synthesis out of Sapiens Is ENS a Being SEIN out of Sapiens Is ENS a Being here DASEIN out of Sapiens Is ENS is a CO BEING here MITDASEIN out of Sapiens Is ENS a triad of Being empowering the Sapiens oneself Is ENS a living self consciousness of the whole of Sapiens Is ENS a symbiosis between Sapiens and Artificial Intelligence AI KI HI Is ENS the dialectic vector of history of the whole Sapiens in overcoming oneself towards a better Sapient o Technology towards a Sapient o post human industry towards Sapient o Epistemology including here Sapiens in Art ARSSAPIENS Sapiens in in Philosophy Sapiens in in Psychology and Sapiens in Theology The writer itself is now the reader itself the explorer itself is now the surveyor itself the survival itself is now the fighter itself by assuming a

strong competition beyond of its own Species beyond of its own individuality and classical personality finally becoming a semi human made device an Hybrid Intelligence System HIS between biology and technology between anatomy and epistemology both inspired by Bionics by Cloning by Robotics all resounding in biology in epistemology and technology alike It is more than obvious that the Cyber technology of today s is becoming a real Industry wide spreading over all into the world World Wide Web WWW through which the Abstract Knowledge is Industry itself having reached out a Knowledge Industry Sapiens KIS As a terrible development of human invention and technology of human discovery and epistemology of human and post human industry and axiology it is necessary to redefine the Man itself the Sapiens itself by taking into account some old ideas out of Hinduism Upanishad regarding the definition of the Almighty Creator of Brahman who can be define with qualities with attributes as BRAGMAN SAGUNA or can be defined in a reverse way without qualities without attributes as BRAHMAN NIRGUNA Here must be added that the Christian Mystic of Dyonisos Areopagita has underlined the same thesis in his Apophatic and Cataphatic way of definition of God Thus a MAN SAGUNA SAPIENS SAGUNA means a upright posture of the man means free hands means brain enlarged in volume and weight in relation with the weight of anatomical individuality larynx lowering in neck presence of consciousness of articulated language symbolic alphabet abstract thinking technology of tools culture and civilizations art religion industry Bionics Cloning Robotics Artificial Intelligence Thus a MAN NIRGUNA SAPIENS NIRGUNA means a negation of these qualities or attributes by saying that the Man Sapiens is not immortal is not forever without possible replacement by his her own technology and epistemology that the Man Sapiens is not a divine Deity or Semi Deity that the Man Sapiens is not the alone intelligence within Universe that the Man Sapiens has not the power of creating through UNCAUSAL LOGOS the Man Sapiens has not the power of being with ABSOLUTE POWERS within Universe Man Sapiens has no qualities of naming oneself as the Peak of Evolution because he she has not the power of Creation and Evolution of the Universe CREVO or the power of Genesis plus Evolution GENEVO To these multitude of questions with very difficult answers to these multitude of dilemma to these multitude of labyrinth ways we the author coming out of Classic Sapiens is trying to cope with our Online Book ENSSANSKRIT SAPIENS 1 AI Sapientologist

**CONSTITUTION OF ARTIFICIAL INTELLIGENCE - 1** Augustin Ostace, 2023-11-14 MOTTO Why are not enough the first three AERA of our previous AERAS namely AERA OF PHILOSOPHICAL SYSTEMS AERA 1 AERA OF SAPIENTOLOGICAL SYSTEMS AERA 2 AERA OF VIDEOLOGICAL SYSTEMS AERA 3 Being thus necessary a fourth thinkable and re thinkable Creative System the one of ARTIFICIAL INTELLIGENCE SYSTEM or SYSTEMS AI SYSTEM AIS which in German Language is entitled as K NSTLISCHE INTELLIGENZ KI and both AI and KI are under the HYBRID INTELLIGENCE of Human and Artificial alike encoded as HI by remaking out of the complex concept Hybrid a developing towards HYBRIDOLOGY and HYBRIDO LOGICUM both in Sapiens interrelated the Artificial Intelligence Systems AIS INTELLENTOLOGY INTELLENTONTOLOGY INTELLENTOLOGICUM Therefore all three signification AI KI HI through a SYSTEM are provable and demonstrable into the

sameness extra enlargement and expansion of the Classic Human Brain CHB which still remains anatomically within the same limits of Classical Sapiens CSS but in abstract creativity is doing an unspeakable progress beyond of all previous frontiers This impetus in development of technological systems more and more intelligent more and more abstract more and more comprehensive more and more diversified more and more amplified more and more accelerated by comprising here at least for the time being information inspiration intuition and initiation widespread in areas of technology of industry of art of anthropology of Sapientology of cosmology of astronomy of geology and biology into which all of them means ultimately another big step up in development of duality Human Machine or a duality of Human Technology including the branches of Human Over Human Robotics or Humanoid Robotics The man itself the human itself the Sapient o Human development its experiences its visions its outcomes can make symbiosis with oneself a crossing with its nature of creativity within the nature physis of endless philosophy with tools out of stone with tools out of bones out of hood or of synthetic feature underlining once again the TOOL MAKER MAN as Homo Faber likewise a Proto Sapiens Being as Homo Loquens Perhaps the proto language begun through the action of hand hitting the stone enlarging thus the brain and the understanding of the world and of the proto human oneself But now within the present data out of its own virtual reality and creativity all being improved by the man itself and the machine itself which machine might in turn overcome the man by confronting the man itself by changing and challenging even the human itself even the Human Sapient oneself in its own destiny and purposes Could be or could become the Artificial Intelligence AI KI HI the source and resource the roots of final ending of the Sapient on the Earth planetary system By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper complexity of Artificial Intelligence AI KI HI a recombination of the man itself with a machine created by the man itself could develop a symbiosis of human machine which overcomes the Classic Species Sapiens CSS who dominated the life on Earth in the last of ca 50 000 years by entering within the Species Sapiens Techne SST into which the Sapiens still dominate the Universe of Technology by reaching out in some area even the domination of Technology over Sapiens as TSS In this way within Artificial Intelligence seen and analyzed Three Times Intelligence i e AI KI HI the letters themselves the numbers themselves and the signs themselves are becoming the WORD itself the WORD itself is improved to the level of CONCEPT itself and the WORD CONCEPT DUALITY in their speeding up developing in their accelerated and amplifying structures is giving the outcome of the BOOK itself in its CLASSICAL BOOK CB in its digital book as E BOOK or in its VIRTUAL BOOK as V BOOK It is a form a derivative structure of Hindu Philosophy here called AVATAR Avatar as embodiment of a Deity its soul its spirit its principle into a Human Being into a Hybrid Human Being Avatar as a descent of heaven Deity a released soul and spirit and principle on Earth by rethinking thus a reconciliation between Terra Incognita with Sapiens Incognita and Heaven Incognita Avatar as a Seeker of reuniting of dream and reality of World Wide Web WWW with Sky World Web SWW by going through ENS WORLD WEB EWW Avatar as Being of Earth GEOAVATAR as Being of Sapiens ENSAVATAR as Being of Heaven

SKYAVATAR Avatar as a Being coming out of Sapiens as Being of Sapiens then taking the final syllable of SA PI ENS being thus re baptized as ENSAVATAR Avatar by giving itself a sense of Being in the World Only this multitude concepts of Avatar is remaking the Books through ENSBOOK in development of the same double E BOOK in diversity is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE in its three times of AI KI HI with its versions in German Language as K NSTLICHE INTELLIGENZ KI and HYBRID INTELLIGENCE HI which will be used and reused interchangeably at any reference or inter reference or cross reference in our ENSSANSKRIT SAPIENS which in turn is becoming an ENSSANSKRIT SAPIENS 1 What really means ENS in our Book of Dialectical CHAT ENS is a shortages from the Species Sapiens being thought and rethought as ENS i e as BEING of the Species Sapiens Being as Being as ENS QUA ENS Within ENS will be comprise the whole of German Idealist connotation of Being as A SEIN BEING in its maximal generality B DASEIN BEING HERE on this planetary system C MITDASEIN COBEING HERE together with all past geological and biological times influencing and restructuring all basic features of the Planetary Life System It is possible to rethink the ENS INTO ONESELF RECHATING Would be ENS a synthesis out of Sapiens Is ENS a Being SEIN out of Sapiens Is ENS a Being here DASEIN out of Sapiens Is ENS is a CO BEING here MITDASEIN out of Sapiens Is ENS a triad of Being empowering the Sapiens oneself Is ENS a living self consciousness of the whole of Sapiens Is ENS a symbiosis between Sapiens and Artificial Intelligence AI KI HI Is ENS the dialectic vector of history of the whole Sapiens in overcoming oneself towards a better Sapient o Technology towards a Sapient o post human industry towards Sapient o Epistemology including here Sapiens in Art ARSSAPIENS Sapiens in in Philosophy Sapiens in in Psychology and Sapiens in Theology The writer itself is now the reader itself the explorer itself is now the surveyor itself the survival itself is now the fighter itself by assuming a strong competition beyond of its own Species beyond of its own individuality and classical personality finally becoming a semi human made device an Hybrid Intelligence System HIS between biology and technology between anatomy and epistemology both inspired by Bionics by Cloning by Robotics all resounding in biology in epistemology and technology alike It is more than obvious that the Cyber technology of today s is becoming a real Industry wide spreading over all into the world World Wide Web WWW through which the Abstract Knowledge is Industry itself having reached out a Knowledge Industry Sapiens KIS As a terrible development of human invention and technology of human discovery and epistemology of human and post human industry and axiology it is necessary to redefine the Man itself the Sapiens itself by taking into account some old ideas out of Hinduism Upanishad regarding the definition of the Almighty Creator of Brahman who can be define with qualities with attributes as BRAGMAN SAGUNA or can be defined in a reverse way without qualities without attributes as BRAHMAN NIRGUNA Here must be added that the Christian Mystic of Dyonisos Areopagita has underlined the same thesis in his Apophatic and Cataphatic way of definition of God Thus a MAN SAGUNA SAPIENS SAGUNA means a upright posture of the man means free hands means brain enlarged in volume and weight in relation with the weight of anatomical individuality

larynx lowering in neck presence of consciousness of articulated language symbolic alphabet abstract thinking technology of tools culture and civilizations art religion industry Bionics Cloning Robotics Artificial Intelligence Thus a MAN NIRGUNA SAPIENS NIRGUNA means a negation of these qualities or attributes by saying that the Man Sapiens is not immortal is not forever without possible replacement by his her own technology and epistemology that the Man Sapiens is not a divine Deity or Semi Deity that the Man Sapiens is not the alone intelligence within Universe that the Man Sapiens has not the power of creating through UNCAUSAL LOGOS the Man Sapiens has not the power of being with ABSOLUTE POWERS within Universe Man Sapiens has no qualities of naming oneself as the Peak of Evolution because he she has not the power of Creation and Evolution of the Universe CREVO or the power of Genesis plus Evolution GENEVO To these multitude of questions with very difficult answers to these multitude of dilemma to these multitude of labyrinth ways we the author coming out of Classic Sapiens is trying to cope with our Online Book CONSTITUTION OF ARTIFICIAL INTELLIGENCE SYSTEMS 1 AI Sapientologist

**ENS TRANSCENDENS - 1** Augustin Ostace, 2023-11-20 MOTTO Why are not enough the first three AERA of our previous AERAS namely AERA OF PHILOSOPHICAL SYSTEMS AERA 1 AERA OF SAPIENTOLOGICAL SYSTEMS AERA 2 AERA OF VIDEOLOGICAL SYSTEMS AERA 3 Being thus necessary a fourth thinkable and re thinkable Creative System the one of ARTIFICIAL INTELLIGENCE SYSTEM AI which in German Language is entitled as K NSTLISCHE INTELLIGENZ KI and both AI and KI are under the HYBRID INTELLIGENCE of Human and Artificial alike or Biology encoded through Technology re encoded as HI Therefore all three signification AI KI HI are provable into the sameness extra enlargement of the Classic Human Brain CHB which is improved in seconds in minutes and in hours by Abstract Developer Entwickler of Human Sapiens by using accordingly English Deutsch and Denglish This impetus in development of technological systems more and more intelligent more and more comprehensive more and more diversified more and more amplified comprising here at least for the time being information inspiration intuition and initiation widespread in areas of technology of industry of art of anthropology of sapientology of cosmology including the one of PERSONALIUIERE of astronomy of geology and biology into which all of them means ultimately another big step up in development of duality Human Machine or a duality of Human Technology including the branches of Human Over Human Robotics or Humanoid Robotics The man itself the human itself the Sapient o Human development its experiences its visions its outcomes can make symbiosis with oneself a crossing with its nature of creativity within the nature physis of endless philosophy with tools out of stone with tools out of bones the tools out of hood or of synthetic feature underlining once again the TOOL MAKER MAN as Homo Faber or better says Homo Faber Sapiens But now within the present data out of its own virtual reality and creativity all being improved by the man itself and the machine itself which machine might in turn overcome the man by confronting the man itself by changing and challenging even the human itself even the Human Sapient oneself in its own destiny and purposes Could be or could become the Artificial Intelligence AI KI HI the source and resource the roots of final ending of the Sapient on the Earth By taking into

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*Biomedical Device Technology (3rd Edition)* Anthony Y. K. Chan, 2023-02-02 This book provides a comprehensive

approach to studying the principles and design of biomedical devices and their applications in medicine It is written for engineers and technologists who are interested in understanding the principles design and use of medical device technology The book is also intended to be a textbook or reference for biomedical device technology courses in universities and colleges It focuses on the applications functions and principles of medical devices which are the invariant components and uses specific designs and constructions to illustrate the concepts where appropriate Indication of use as well as common problems and hazards for each device type are included This book selectively covers diagnostic and therapeutic devices that are either commonly used or whose principles and design represent typical applications of the technology For those who would like to know more a collection of published papers and book references has been added to the end of each chapter In this third edition many chapters have gone through revisions some with significant updates and additions to keep up with new applications and advancements in medical technology A new appendix on infection prevention and control practices relating to medical devices is included Based on requests review questions are added for each chapter to help readers to assess their comprehension of the content material

*KULTZETTEL'SAPIENS - 1* Augustin Ostace, 2023-07-27 The Egypt of the hieroglyphic alphabets the Babylon of the first astronomers the Sumer of theological and algebraic revelations the Persepolis of the prophets Zoroaster and Mani the India of Hindu Buddhist and Jain philosophies and theologies the China of Taoism and Confucianism expanding to the East and West through Zen Buddhism and Tibet Buddhism the Japan of Shintoism the Greece of the great schools of Pythagorean and Eleatic philosophy or through schools of Stoicism or through schools of Sophism of Idealism of Materialism all extended through Greco Roman Hellenism centered by Alexandria then the Roman World of Forums of Theaters of Thermae of Appias and Jupiter Capitolinus in polytheism then the opposite and reverse Monotheisms of Judaism of Christianity and Islam all with many resonances into the Pre Columbians of Central and South America through the civilizations and cultures of the Toltecs Olmecs Aztecs Mayans and Incas then the Austral Pacific of the Aboriginal and Polynesian worlds then the Afro Continent of the cultures and civilizations of the Black Populations all being theologized and ethnologized all being poet philosophized and poet theologized all being poet epistemologized and poet axiologized in order to increase and expand the area of understanding and surprises of Sapiens a rational Species Sapiens both as a creative individuality and as an integrative generality which will therefore be poetized philosophized theologized and videopoetized in this primarily E book by synthesis thesis and antithesis just called KULTZETTEL SAPIENS But we ask ourselves can we be or can we become through individuality and generalities to another step up or UPSTEP or UPSTART of triadology of Cosmological Geological Biological and Ontological evolution and possible revolution Evolution But to have an evolution one must begin with a creation CREVO with an primary with a precedence with a primordality which can evolve whatever in Cosmology in Geology in Biology or Ontology Revolution In principle in theoretical redistributed by a theorist who want to be and to become a Sapientologist a Theologist an Encyclopaedist the answer is affirmative and creative but



without prejudging and prejudicing a Spirit of the world a Spirit of Sapiens tireless and overwhelming which conquers and crosses from the Culture of Prund Pebble Culture GerollsteinKultur since 2 5 millions of years until the Artificial Intelligence K nstliche Intelligenz of today s computerized and virtualized and digitalized worlds grounding the astrological and solarized Human Sapient towards the Cosmologized Galactic Hero through the envision of the Humanized Sapient Robot crossing over Galaxies and Constellations It is not only by chance that in this book KULT ZETTEL SAPIENS 1 with a distinct encyclopedic dimension in order to achieve a sense of Cult to the basic Culture of Sapiens one must rise even the basic Word to the higher Concepts of Sapiens as Species Reason Faith Knowledge Searching Researching Discovery Invention Society Development Anthropology Sapientology Art Religion Philosophy Psychology Theology Industry Technology Internet o logy Planetary Earth Geology Climatology Solar System Galaxy Universe all being THE CULTURE OF SAPIENS INTO ONESELF Every basic term or terminology Word or Wordage or concept or concept o logy is therefore raising is uplifting is increasing is augmenting to the level to the novum niveau of SAPIENS CULT CULTURE INTO ONESELF Yes that s our ambition within the Era of Artificial Intelligence AI K nstliche Intelligenz KI Hybrid Intelligence HI regarding even the over lighted small point of Cult and Culture as ZETTEL SAPIENS located somewhere in Western Europe belonging to the Planetary System as part of Solar System of Galaxy Milky Way System and finally to the Universe System as the wholeness of wholeness But in reality our Zettel Sapiens has its own roots within CAF GALERIE ZETTEL S TRAUM with the Email address at caf zettels traum netcologne de which is located just into the area of the published author of this Internet Sublime Ars Books Philosophy Through this wonderful cultic space time location or better says books space time collocation upon the Altstadtstra e 20 in 51379 Leverkusen Germany Europe with telephone 001 0049 90 10 10 1 any dream any Traum Dream is possible In the same time the author publisher is trying an extension of this kind of approaching of huge diversity of Species Sapiens as such 1 KULTZETTEL SAPIENS 1 2 MUSIKB RSESAPIENS 1 3 HOLLY FAITH SAPIENS 1 4 KRUPPDIGITSAPIENS 1 5 MULTI KULTI SAPIENS 1 6 COLOGNEARSSAPIENS 1 7 SAPIENS ENS SAPIENS 1 Therefore save the dream save the word save the Logos save the book including KULTZETTEL SAPIENS virtual book whatever in Literary caf or in Internet KI Sapiens located on Bahnhofstra e 17 with a terrible team of Halilos Aisha Memmeto and Alexis or in Ars Sapiens caf located on Feldstrasse 43 of the author oneself under the direct Commander in chief of my beloved wife Renate von Schattenberg Also once again many thanks to the Philosophical Caf of the Zettel Sapiens with the best en soul Team Mannschaft ever of this singular Gallery of Art KunstGalerie of Artothek of Bibliothek or Intelligentsiathek completely in its own unforgettable under the beloving direction of the Frau Seidel the smallest is the biggest A point is all the Earth CultZettel KultZettel You Ens Of the entire Sapiens With these short prefacing words and ideas let s begin our odyssey into the mystery and poetry of our art s endeavor Kultzettel Sapientologist ENS HUNGARY - 2 Augustin Ostace,2023-10-17 WATCHWORD What really means ENS HUNGARY There is a BEING OF HUNGARY Or an ENS of Hungary A maximal generalities of Hungary History as Being

Hungary as ENS Hungary A synthesis of Eurasia history of wandering and settlement of a people of a folk of a nation through which the history is meeting the history itself overlapping into a dimension of destiny Generally speaking Yes The ENS itself is a Being coming from Sapiens being the last syllable out of three syllabic SA PI ENS Therefore ENS HUNGARY is an essence and existence of Hungary as country as nation as folk as land as aspiration as hopes as destiny as endlessly dramatic events undergone within its own history and historiology confronting adversities over adversities for its own recognition into European and World existence Once again it is to underline Ens Hungary through its own Hungary by allowing thus to an individual the present author to be placed inside of events and dramas of Hungary as Being of Hungary as Ens Being of Hungary exploring and reexploring the destiny of this country land out of Eastern and Central Europe But we are under pressure in rethinking and um thinking of the whole of the European Union history and historiology after big waves of union s earthquakes by mentioning here the big financial crisis between 2008 2010 or the Brexit of Great Britain an embittered fought inside of the European Union between the years 2016 and the present year of 2023 by underlining here the critical relationship of Hungary with European Union It is not mentioned here the waves of migrants in the last twenty years towards European Union with Hungary in opposition standpoint or Corona dramas waves by mentioning here the Hungarian Nobel price research Katalin Korika from Budapest who has great results on mtMitochondrion By retaking de Corona dramas through which a world of social pathology is accompanied and enhanced by a dramatic pandemic s world of biologic pathology this one being one of the worst issues of viral disease out breaking in the year 2020 having catastrophic consequences over European Union in its totality Also we will remake another configuration of the initial CONSTITUTION OF EUROPE with Hungary in fight for national proud written and rewritten published and republished with about 15 years ago resembling a parallel dialectical becoming between a finisher and a re finisher in constitution or between an influencer and re influencer in social sciences Terminology of different constitutions will be different in their substance and their semantics and meaning reflecting the difference in temporality and creativity of the author but the basic principles of ethics and morality are into the both constitutions the sameness If European Union enhanced with controversial Hungary needs a constitution then European Union must know very well the history of Europe itself must know their inhabitants the native the people and the citizens of Europe including those of Hungary including the science and technology of Europe including those coming from Hungary including the art and religions of Europe without to underestimate Hungary including the geography and demography of Europe an European Hungary since the oldest times of Upper Paleolithic of Neolithic of Antiquity of Middle Age of Renaissance of Enlightenment of Modern Times and of present Third Millennium Times all in detail all in reality all in morality and rationality including here the ideologies the irrationality and tragedies of Europe including here Hungary culminating in 20th century with two world wars with Hungary into the middle of tragedies More than that our Constitution of European Union is desired to be and to become a pilot project in searching and researching in anthropo

sapientology a vector of axiological and epistemological substance in knowledge and discoveries in theology and psychologies without to avoid Hungary It is the first time in Human Known History and Historiology as logos of history as reasoning of history as wisdom of history when a Constitution is becoming also a vector of knowledge an epistemological vector sensing and re sensing a searching and researching study project in Antropos Sapientology finally a form of concrete axiology in motion and emotion a substantial gnoseology having an explicit and implicit proper function of ethnology in oneself for oneself and through oneself through which Hungary is looking at its own history and historiology regaining itself out of earthquakes of history A country a nation a folk a people needs to be studied in its deep structures of ethnology and history of its difficulties and adversities throughout its own history without to be condemn without of being aware about its own philosophical psychological and theological structures and substructures A country a nation a folk a people needs to be understood in its own traditionally characteristics by rethinking everything in its history and historiology which is the core issue regarding these set of four On Line books named ENS HUNGARY Here s the ENS HUNGARY 2 ENS IN DIALECTICAL CHAT - 1 Augustin Ostace,2023-08-10 Why are not enough the first three AERA of our previous AERAS namely AERA OF PHILOSOPHICAL SYSTEMS AERA 1 AERA OF SAPIENTOLOGICAL SYSTEMS AERA 2 AERA OF VIDEOLOGICAL SYSTEMS AERA 3 Being thus necessary a fourth thinkable and re thinkable Creative System the one of ARTIFICIAL INTELLIGENCE SYSTEM AI which in German Language is entitled as K NSTLISCHE INTELLIGENZ KI and both AI and KI are under the HYBRID INTELLIGENCE of Human and Artificial alike encoded as HI Therefore all three signification AI KI HI are provable into the sameness extra enlargement of the Classic Human Brain CHB This impetus in development of technological systems more and more intelligent more and more comprehensive more and more diversified more and more amplified comprising here at least for the time being information inspiration intuition and initiation widespread in areas of technology of industry of art of anthropology of sapientology of cosmology of astronomy of geology and biology into which all of them means ultimately another big step up in development of duality Human Machine or a duality of Human Technology including the branches of Human Over Human Robotics or Humanoid Robotics The man itself the human itself the Sapient o Human development its experiences its visions its outcomes can make symbiosis with oneself a crossing with its nature of creativity within the nature physis of endless philosophy with tools out of stone with tools out of bones out of hood or of synthetic feature underlining once again the TOOL MAKER MAN as Homo Faber But now within the present data out of its own virtual reality and creativity all being improved by the man itself and the machine itself which machine might in turn overcome the man by confronting the man itself by changing and challenging even the human itself even the Human Sapient oneself in its own destiny and purposes Could be or could become the Artificial Intelligence AI KI HI the source and resource the roots of final ending of the Sapient on the Earth By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper complexity of Artificial Intelligence AI KI HI a recombination of the man itself with

a machine created by the man itself could develop a symbiosis of human machine which overcomes the Classic Species Sapiens CSS who dominated the life on Earth in the last of ca 50 000 years by entering within the Species Sapiens Techne SST into which the Sapiens still dominate the Universe of Technology by reaching out in some area even the domination of Technology over Sapiens as TSS In this way within Artificial Intelligence seen and analyzed Three Times Intelligence i e AI KI HI the letters themselves the numbers themselves and the signs themselves are becoming the WORD itself the WORD itself is improved to the level of CONCEPT itself and the WORD CONCEPT DUALITY in their speeding up developing in their accelerated and amplifying structures is giving the outcome of the BOOK itself in its CLASSICAL BOOK CB in its digital book as E BOOK or in its VIRTUAL BOOK as V BOOK Only this multitude of the same BOOK in development of the same BOOK in diversity is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE in its three times of AI KI HI with its versions in German Language as K NSTLICHE INTELLIGENZ KI and HYBRID INTELLIGENCE HI which will be used and reused interchangeably at any reference or inter reference or cross reference in our ENS IN DIALECTICAL CHAT 1 What really means ENS in our Book of Dialectical CHAT ENS is a shortages from the Species Sapiens being thought and rethought as ENS i e as BEING of the Species Sapiens Within ENS will be comprise the whole of German Idealist connotation of Being as A SEIN BEING in its maximal generality B DASEIN BEING HERE on this planetary system C MITDASEIN COBEING HERE together with all past geological and biological times influencing and restructuring all basic features of the Planetary Life System It is possible to rethink the ENS INTO ONESELF RECHATING Would be ENS a synthesis out of Sapiens Is ENS a Being SEIN out of Sapiens Is ENS a Being here DASEIN out of Sapiens Is ENS is a CO BEING here MITDASEIN out of Sapiens Is ENS a triad of Being empowering the Sapiens oneself Is ENS a living self consciousness of the whole of Sapiens Is ENS a symbiosis between Sapiens and Artificial Intelligence AI KI HI Is ENS the dialectic vector of history of the whole Sapiens in overcoming oneself towards a better Sapient o Technology towards a Sapient o post human industry in Art in Philosophy in Psychology in Theology The writer is now the reader the explorer is now the surveyor the survival is now the fighter by assuming a strong competition beyond of its own Species finally a semi human made device an Hybrid Intelligence HI between biology and technology both inspired by Bionics resounding in biology and technology alike To these multitude of answers we try to cope with in our On Line Book ENS IN DIALECTICAL CHAT 1 AI Sapientologist **ENS HUNGARY - 3** Augustin Ostace,2023-10-24 WATCHWORD What really means ENS HUNGARY There is a BEING OF HUNGARY Or an ENS of Hungary A maximal generalities of Hungary History as Being Hungary as ENS Hungary A synthesis of Eurasia history of wandering and settlement of a people of a folk of a nation through which the history is meeting the history itself overlapping into a dimension of destiny Generally speaking Yes The ENS itself is a Being coming from Sapiens being the last syllable out of three syllabic SA PI ENS Therefore ENS HUNGARY is an essence and existence of Hungary as country as nation as folk as land as aspiration as hopes as destiny as endlessly dramatic events undergone within its own history and historiology

confronting adversities over adversities for its own recognition into European and World existence Once again it is to underline Ens Hungary through its own Hungary by allowing thus to an individual the present author to be placed inside of events and dramas of Hungary as Being of Hungary as Ens Being of Hungary exploring and reexploring the destiny of this country land out of Eastern and Central Europe But we are under pressure in rethinking and um thinking of the whole of the European Union history and historiology after big waves of union s earthquakes by mentioning here the big financial crisis between 2008 2010 or the Brexit of Great Britain an embittered fought inside of the European Union between the years 2016 and the present year of 2023 by underlining here the critical relationship of Hungary with European Union It is not mentioned here the waves of migrants in the last twenty years towards European Union with Hungary in opposition standpoint or Corona dramas waves by mentioning here the Hungarian Nobel price research Katalin Korika from Budapest who has great results on mtMitochondrion By retaking de Corona dramas through which a world of social pathology is accompanied and enhanced by a dramatic pandemic s world of biologic pathology this one being one of the worst issues of viral disease out breaking in the year 2020 having catastrophic consequences over European Union in its totality Also we will remake another configuration of the initial CONSTITUTION OF EUROPE with Hungary in fight for national proud written and rewritten published and republished with about 15 years ago resembling a parallel dialectical becoming between a finisher and a re finisher in constitution or between an influencer and re influencer in social sciences Terminology of different constitutions will be different in their substance and their semantics and meaning reflecting the difference in temporality and creativity of the author but the basic principles of ethics and morality are into the both constitutions the sameness If European Union enhanced with controversial Hungary needs a constitution then European Union must know very well the history of Europe itself must know their inhabitants the native the people and the citizens of Europe including those of Hungary including the science and technology of Europe including those coming from Hungary including the art and religions of Europe without to underestimate Hungary including the geography and demography of Europe an European Hungary since the oldest times of Upper Paleolithic of Neolithic of Antiquity of Middle Age of Renaissance of Enlightenment of Modern Times and of present Third Millennium Times all in detail all in reality all in morality and rationality including here the ideologies the irrationality and tragedies of Europe including here Hungary culminating in 20th century with two world wars with Hungary into the middle of tragedies More than that our Constitution of European Union is desired to be and to become a pilot project in searching and researching in anthro po sapientology a vector of axiological and epistemological substance in knowledge and discoveries in theology and psychologies without to avoid Hungary It is the first time in Human Known History and Historiology as logos of history as reasoning of history as wisdom of history when a Constitution is becoming also a vector of knowledge an epistemological vector sensing and re sensing a searching and researching study project in Antropos Sapientology finally a form of concrete axiology in motion and emotion a substantial gnoseology having

an explicit and implicit proper function of ethnology in oneself for oneself and through oneself through which Hungary is looking at its own history and historiography regaining itself out of earthquakes of history A country a nation a folk a people needs to be studied in its deep structures of ethnology and history of its difficulties and adversities throughout its own history without to be condemn without of being aware about its own philosophical psychological and theological structures and substructures A country a nation a folk a people needs to be understood in its own traditionally characteristics by rethinking everything in its history and historiography which is the core issue regarding these set of four On Line books named ENS HUNGARY Here s the ENS HUNGARY 3      **ENSAVATAR SAPIENS - 1** Augustin Ostace,2023-10-26 MOTTO Why are not enough the first three AERA of our previous AERAS namely AERA OF PHILOSOPHICAL SYSTEMS AERA 1 AERA OF SAPIENTOLOGICAL SYSTEMS AERA 2 AERA OF VIDEOLOGICAL SYSTEMS AERA 3 Being thus necessary a fourth thinkable and re thinkable Creative System the one of ARTIFICIAL INTELLIGENCE SYSTEM AI SYSTEM which in German Language is entitled as K NSTLISCHE INTELLIGENZ KI and both AI and KI are under the HYBRID INTELLIGENCE of Human and Artificial alike encoded as HI by remaking out of the complex concept Hybrid a developing towards HYBRIDOLOGY and HYBRIDOLOGICUM both in Sapiens interrelated the Artificial Intelligence Systems AIS INTELLENTOLOGY INTELENTONTOLOGY INTELENTOLOGICUM Therefore all three signification AI KI HI through a SYSTEM are provable and demonstrable into the sameness extra enlargement and expansion of the Classic Human Brain CHB which still remains anatomically within the same limits of Classical Sapiens CSS but in abstract creativity is doing an unspeakable progress beyond of all previous frontiers This impetus in development of technological systems more and more intelligent more and more abstract more and more comprehensive more and more diversified more and more amplified more and more accelerated by comprising here at least for the time being information inspiration intuition and initiation widespread in areas of technology of industry of art of anthropology of Sapientology of cosmology of astronomy of geology and biology into which all of them means ultimately another big step up in development of duality Human Machine or a duality of Human Technology including the branches of Human Over Human Robotics or Humanoid Robotics The man itself the human itself the Sapient o Human development its experiences its visions its outcomes can make symbiosis with oneself a crossing with its nature of creativity within the nature physis of endless philosophy with tools out of stone with tools out of bones out of hood or of synthetic feature underlining once again the TOOL MAKER MAN as Homo Faber likewise a Proto Sapiens Being as Homo Loquens Perhaps the proto language begun through the action of hand hitting the stone enlarging thus the brain and the understanding of the world and of the proto human oneself But now within the present data out of its own virtual reality and creativity all being improved by the man itself and the machine itself which machine might in turn overcome the man by confronting the man itself by changing and challenging even the human itself even the Human Sapient oneself in its own destiny and purposes Could be or could become the Artificial Intelligence AI KI HI the source and resource the roots of final

ending of the Sapient on the Earth planetary system By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper complexity of Artificial Intelligence AI KI HI a recombination of the man itself with a machine created by the man itself could develop a symbiosis of human machine which overcomes the Classic Species Sapiens CSS who dominated the life on Earth in the last of ca 50 000 years by entering within the Species Sapiens Techne SST into which the Sapiens still dominate the Universe of Technology by reaching out in some area even the domination of Technology over Sapiens as TSS In this way within Artificial Intelligence seen and analyzed Three Times Intelligence i e AI KI HI the letters themselves the numbers themselves and the signs themselves are becoming the WORD itself the WORD itself is improved to the level of CONCEPT itself and the WORD CONCEPT DUALITY in their speeding up developing in their accelerated and amplifying structures is giving the outcome of the BOOK itself in its CLASSICAL BOOK CB in its digital book as E BOOK or in its VIRTUAL BOOK as V BOOK It is a form a derivative structure of Hindu Philosophy here called AVATAR Avatar as embodiment of a Deity its soul its spirit its principle into a Human Being into a Hybrid Human Being Avatar as a descent of heaven Deity a released soul and spirit and principle on Earth by rethinking thus a reconciliation between Terra Incognita with Sapiens Incognita and Heaven Incognita Avatar as a Seeker of reuniting of dream and reality of World Wide Web WWW with Sky World Web SWW by going through ENS WORLD WEB EWW Avatar as Being of Earth GEOAVATAR as Being of Sapiens ENSAVATAR as Being of Heaven SKYAVATAR Avatar as a Being coming out of Sapiens as Being of Sapiens then taking the final syllable of SA PI ENS being thus re baptized as ENSAVATAR Avatar by giving itself a sense of Being in the World Only this multitude concepts of Avatar is remaking the Books through ENSBOOK in development of the same double E BOOK in diversity is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE in its three times of AI KI HI with its versions in German Language as K NSTLICHE INTELLIGENZ KI and HYBRID INTELLIGENCE HI which will be used and reused interchangeably at any reference or inter reference or cross reference in our ENSSANSKRIT SAPIENS which in turn is becoming an ENSSANSKRIT SAPIENS 1 What really means ENS in our Book of Dialectical CHAT ENS is a shortages from the Species Sapiens being thought and rethought as ENS i e as BEING of the Species Sapiens Being as Being as ENS QUA ENS Within ENS will be comprise the whole of German Idealist connotation of Being as A SEIN BEING in its maximal generality B DASEIN BEING HERE on this planetary system C MITDASEIN COBEING HERE together with all past geological and biological times influencing and restructuring all basic features of the Planetary Life System It is possible to rethink the ENS INTO ONESELF RECHATING Would be ENS a synthesis out of Sapiens Is ENS a Being SEIN out of Sapiens Is ENS a Being here DASEIN out of Sapiens Is ENS is a CO BEING here MITDASEIN out of Sapiens Is ENS a triad of Being empowering the Sapiens oneself Is ENS a living self consciousness of the whole of Sapiens Is ENS a symbiosis between Sapiens and Artificial Intelligence AI KI HI Is ENS the dialectic vector of history of the whole Sapiens in overcoming oneself towards a better Sapient o Technology towards a Sapient o post human industry towards Sapient o Epistemology including

here Sapiens in Art ARSSAPIENS Sapiens in in Philosophy Sapiens in in Psychology and Sapiens in Theology The writer itself is now the reader itself the explorer itself is now the surveyor itself the survival itself is now the fighter itself by assuming a strong competition beyond of its own Species beyond of its own individuality and classical personality finally becoming a semi human made device an Hybrid Intelligence System HIS between biology and technology between anatomy and epistemology both inspired by Bionics by Cloning by Robotics all resounding in biology in epistemology and technology alike It is more than obvious that the Cyber technology of today s is becoming a real Industry wide spreading over all into the world World Wide Web WWW through which the Abstract Knowledge is Industry itself having reached out a Knowledge Industry Sapiens KIS As a terrible development of human invention and technology of human discovery and epistemology of human and post human industry and axiology it is necessary to redefine the Man itself the Sapiens itself by taking into account some old ideas out of Hinduism Upanishad regarding the definition of the Almighty Creator of Brahman who can be define with qualities with attributes as BRAGMAN SAGUNA or can be defined in a reverse way without qualities without attributes as BRAHMAN NIRGUNA Here must be added that the Christian Mystic of Dyonisos Areopagita has underlined the same thesis in his Apophatic and Cataphatic way of definition of God Thus a MAN SAGUNA SAPIENS SAGUNA means a upright posture of the man means free hands means brain enlarged in volume and weight in relation with the weight of anatomical individuality larynx lowering in neck presence of consciousness of articulated language symbolic alphabet abstract thinking technology of tools culture and civilizations art religion industry Bionics Cloning Robotics Artificial Intelligence Thus a MAN NIRGUNA SAPIENS NIRGUNA means a negation of these qualities or attributes by saying that the Man Sapiens is not immortal is not forever without possible replacement by his her own technology and epistemology that the Man Sapiens is not a divine Deity or Semi Deity that the Man Sapiens is not the alone intelligence within Universe that the Man Sapiens has not the power of creating through UNCAUSAL LOGOS the Man Sapiens has not the power of being with ABSOLUTE POWERS within Universe Man Sapiens has no qualities of naming oneself as the Peak of Evolution because he she has not the power of Creation and Evolution of the Universe CREVO or the power of Genesis plus Evolution GENEVO To these multitude of questions with very difficult answers to these multitude of dilemma to these multitude of labyrinth ways we the author coming out of Classic Sapiens is trying to cope with our Online Book ENSAVATAR SAPIENS 1 AI SAPIENTOLOGIST ENS HUNGARY - 1 Augustin Ostace,2023-10-10 WATCHWORD What really means ENS HUNGARY There is a BEING OF HUNGARY Or an ENS of Hungary A maximal generalities of Hungary History as Being Hungary as ENS Hungary Generaly speaking Yes The ENS itself is a Being coming from Sapiens being the last syllable out of three syllabic SA PI ENS Therefore ENS HUNGARY is an essence and existence of Hungary as country as nation as folk as land as aspiration as hopes as destiny as endlessly dramatic events undergone within its own history and historiology Once again it is to underline Ens Hungary through its own Hungary by allowing thus to an individual the present author to be placed inside of events and dramas of Hungary as Being of



Hungary as Ens Being of Hungary exploring and reexploring the destiny of this country land out of Eastern and Central Europe But we are under pressure in rethinking and um thinking of the whole of the European Union history and historiology after big waves of union s earthquakes by mentioning here the big financial crisis between 2008 2010 or the Brexit of Great Britain an embittered fought inside of the European Union between the years 2016 and the present year of 2023 by underlining here the critical relationship of Hungary with European Union It is not mentioned here the waves of migrants in the last twenty years towards European Union with Hungary in opposition stanedpoint or Corona dramas waves by mentioning here the Hunarian Nobel price research Katalin Korika from Budapest who has great results on mtMitochondrion By retaking de Corona dramas through which a world of social pathology is accompanied and enhanced by a dramatic pandemic s world of biologic pathology this one being one of the worst issues of viral disease out breaking in the year 2020 having catastrophic consequences over European Union in its totality Also we will remake another configuration of the initial CONSTITUTION OF EUROPE with Hungary in fight for national proud written and rewritten published and republished with about 15 years ago resembling a parallel dialectical becoming between a finisher and a re finisher in constitution or between an influencer and re influencer in social sciences Terminology of different constitutions will be different in their substance and their semantics and meaning reflecting the difference in temporality and creativity of the author but the basic principles of ethics and morality are into the both constitutions the sameness If European Union enhanced with controversial Hungary needs a constitution then European Union must know very well the history of Europe itself must know their inhabitants the native the people and the citizens of Europe including those of Hungary including the science and technology of Europe including those coming from Hungary including the art and religions of Europe without to underestimate Hungary including the geography and demography of Europe an European Hungary since the oldest times of Upper Paleolithic of Neolithic of Antiquity of Middle Age of Renaissance of Enlightenment of Modern Times and of present Third Millennium Times all in detail all in reality all in morality and rationality including here the ideologies the irrationality and tragedies of Europe including here Hungary culminating in 20th century with two world wars with Hungary into the middle of tragedies More than that our Constitution of European Union is desired to be and to become a pilot project in searching and researching in anthropo sapientology a vector of axiological and epistemological substance in knowledge and discoveries in theology and psychologies without to avoid Hungary It is the first time in Human Known History and Historiology as logos of history as reasoning of history as wisdom of history when a Constitution is becoming also a vector of knowledge an epistemological vector sensing and re sensing a searching and researching study project in Antropos Sapientology finally a form of concrete axiology in motion and emotion a substantial gnoseology having an explicit and implicit proper function of ethnology in oneself for oneself and through oneself through which Hungary is looking at its own history and historiology regaining itself out of earthquakes of history A country a nation a folk a people needs to be studied in its deep structures of ethnology and

history of its difficulties and adversities throughout its own history without to be condemn without of being aware about its own philosophical psychological and theological structures and substructures A country a nation a folk a people needs to be understood in its own traditionally characteristics by rethinking everything in its history and historiography which is the core issue regarding these set of four On Line books named ENS HUNGARY     The Central Nervous System Per Brodal,2016-04-20 The Fifth edition finds the text of The Central Nervous System thoroughly updated and revised better equipping students with essential information in the field of clinical neuroscience This text reviewed to reflect new information as well as understanding of student needs for critical thinking contains the systematic in depth coverage of topics of great clinical interest This text seamlessly integrates data from all fields of neuroscience as well as clinical neurology and psychology This textbook presents the functional properties of clinically relevant disorders by incorporating data from molecular biology to clinical neurology Key Features of the Fifth Edition Include Chapters knit together by numerous cross references and explanations helping the reader to connect data Carefully selected full color line drawings of the complexities of the nervous system Extensive use of text boxes provides in depth material without disturbing the flow of reading Provides a crucial list of references for further reading While most neurological textbooks are cobbled together by multiple authors on a variety of topics within the field Dr Brodal pulls together a cohesive and comprehensive guide to neuroscience This book reflects Dr Brodal s concise and easy to read style encouraging reflection and critical thinking in established facts and scientific conjecture This is the perfect reference for medical graduate and undergraduate students alike     Constitution of European Union - TWO Augustin Ostace,2020-09-20 We are under pressure in rethinking and unthinking of the whole of the European Union history after big waves of union s earthquakes by mentioning here the big financial crisis between 2008 2010 or Brexit of Great Britain an embittered fought inside of the European Union between the years 2016 and the present 2020 It is not mentioned here the waves of migrants in the last ten years towards European Union through which a world of social pathology is accompanied and enhanced by a dramatic pandemic s world of biologic pathology this worst issues of viral disease out breaking in the year 2020 We will remake another configuration of the initial CONSTITUTION OF EUROPE written and published with about 15 years ago resembling a parallel dialectical becoming between a finisher and a re finisher in constitution or between an influencer and re influencer in social sciences Terminology of different constitutions will be different in their substance and their semantics reflecting the difference in temporality and creativity of the author but the basic principles of ethics and morality are into the both constitutions the sameness If European Union needs a constitution then European Union must know the history of Europe must know the inhabitants the native the people and citizens of Europe the science and technology of Europe the art and religions of Europe the geography and demography of Europe since the oldest times of Upper Paleolithic of Neolithic of Antiquity of Middle Age of Renaissance of Enlightenment of Modern Times and of present Third Millennium all in detail in reality in morality and rationality More

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