

The Biology of
**Human Political Economy
- Socialism, Capitalism and
Democracy**

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Chapter 1

**Actinidic Archaea, Digoxin Synthesis and
Neanderthalisation - A Biological Theory of
Socio-Political, Spiritual, Sexual
and Cultural Identity**

Introduction

Actinidic archaea has been related to global warming and human diseases especially neuropsychiatric disorder. The growth of endosymbiotic actinidic archaea in relation to climate change and global warming leads to neanderthalisation of the human mind-body system. Neanderthal anthropometry and metabolonomics has been described in neuropsychiatric disorder especially the Warburg phenotype and hyperdigoxinemia. Digoxin produced by archaeal cholesterol catabolism produces neanderthalisation. Prefrontal cortical atrophy and cerebellar hyperplasia has been related to neuropsychiatric disorder. Digoxin produces intracellular magnesium deficiency and reverse transcriptase inhibition. This blocks retroviral replication and its integration into the genome. This reduces the flexibility and dynamicity of the genome. Endogenous retroviral sequence induced jumping genes contributes to the flexibility and dynamicity of the genome required for generation of synaptic connectivity in the prefrontal cortex. The inhibition of endogenous retroviral expression and integration by digoxin leads to atrophy of the prefrontal cortex. The cerebellum becomes dominant and can be considered as an endosymbiotic archaeal network. The cerebellar dominance leads to more of extrasensory perception, quantal perception, impulsive behaviour and sense of oneness with the world around us. Cerebellar dominance also leads to dysautonomia with sympathetic hyperactivity and parasympathetic neuropathy in these disorders. Actinidic archaeal related cerebellar dominance leads to changes in brain function. This produces a new sociopolitical, spiritual, sexual and cultural phenotype.¹⁻¹⁶ The data is described in this paper.

Materials and Methods

Fifteen cases, each of neuropsychiatric disorder and internet addicts were selected for the study. Each case had an age and sex matched control. Neanderthal anthropometric and phenotypic measurements which included protruding supra-orbital ridges, dolichocephalic skull, small mandible, prominent mid face and nose, short upper and lower limbs, prominent trunk, low index finger-ring finger ratio and fair complexion were evaluated in the cases study. Autonomic function tests were done to assess the sympathetic and parasympathetic system in each case. CT scan of the head was done to have a volumetric assessment of the prefrontal cortex and cerebellum. Blood cytochrome F420 activity was assessed by spectrophotometric measurement.

Results

All the case groups studied had higher percentage of Neanderthal anthropometric and phenotypic measurements. There was low index finger-ring finger ratio suggestive of high testosterone levels in all the patient population studied. In all the case groups studied, there also was prefrontal cortex atrophy and cerebellar hyperplasia. Similarly in the all the case groups studied, there was dysautonomia with sympathetic over activity and parasympathetic neuropathy. Cytochrome F420 was detected in the entire case group studied showing endosymbiotic archaeal overgrowth.

Table 1. Neanderthal phenotype and systemic disease.

Disease	Cyt. F420 activity	Neanderthal phenotype	Low index finger-ring finger ratio
Schizophrenia	69%	75%	65%
Autism	80%	75%	72%
Internet users	65%	72%	69%

Table 2. *Neanderthal phenotype and brain dysfunction.*

Disease	Dysautonomia	Prefrontal cortex atrophy	Cerebellar hypertrophy
Schizophrenia	65%	60%	70%
Autism	72%	69%	72%
Internet users	74%	84%	82%

Discussion

Neanderthal metabolomics contribute to the generation of a new socio-political, spiritual, sexual and cultural phenotype and pathogenesis of schizophrenia/autism. There were Neanderthal phenotypic features in all the case groups studied as well as low index finger-ring finger ratios suggestive of increased testosterone levels. Neanderthalisation of the mind-body system occurs due to increased growth of actinidic archaea as a consequence of global warming. Digoxin produces intracellular magnesium deficiency and reverse transcriptase inhibition. This blocks retroviral replication and its integration into the genome. This reduces the flexibility and dynamicity of the genome. Endogenous retroviral sequence induced jumping genes contributes to the flexibility and dynamicity of the genome required for generation of synaptic connectivity in the prefrontal cortex. The inhibition of endogenous retroviral expression and integration by digoxin leads to atrophy of the prefrontal cortex. The cerebellum becomes dominant and can be considered as an endosymbiotic archaeal network. The cerebellar dominance leads to more of extrasensory perception, quantal perception, impulsive behaviour and sense of oneness with the world around us. Neanderthalisation of the mind thus leads to cerebellar dominance and prefrontal cortex atrophy. This leads to dysautonomia with parasympathetic neuropathy and sympathetic hyperactivity. This produces a new socio-political, spiritual, sexual and cultural phenotype.

Global warming and the ice age produces increased growth of extremophiles. This leads to increased growth of actinidic archaeal endosymbiosis in humans. There is archaeal proliferation in the gut which enters the cerebellum and brain stem by reverse axonal transport via the vagus. The cerebellum and brain stem can be considered as an archaeal colony. The archaea are cholesterol catabolizing and use cholesterol as a carbon and energy source. The actinidic archaea activates the toll receptor HIF alpha inducing the Warburg phenotype resulting in increased glycolysis with generation of glycine as well as pyruvate dehydrogenase suppression. The accumulated pyruvate enters the GABA shunt generating of succinyl CoA and glycine. The archaeal catabolism of cholesterol produces ring oxidation and generation of pyruvate which also enters the GABA shunt scheme producing glycine and succinyl CoA. This leads to increased synthesis of porphyrins. In the setting of digoxin induced sodium potassium ATPase inhibition the dipolar porphyrins produce a pumped phonon system resulting in the Frohlich model Bose-Einstein condensate and quantal perception of low level EMF. Low level EMF pollution is common with internet usage. Perception of low level of EMF leads to neanderthalisation of the brain with prefrontal cortex atrophy and cerebellar hyperplasia. The archaea which reaches the cerebellum from the gut via the vagus nerve proliferates and makes the cerebellum dominant with resultant suppression and atrophy of the prefrontal cortex. This leads to wide spread autistic and schizophrenic traits in population. The actinidic archaea induces the Warburg phenotype with increased glycolysis, PDH inhibition and mitochondrial suppression. This produces neanderthalisation of the mind-body system. The actinidic archaea secretes RNA viroids which block HERV expression by RNA interference. The HERV suppression contributes to the inhibition of prefrontal cortex development in Neanderthals and cerebellar dominance. Archaeal digoxin produces sodium potassium ATPase inhibition and magnesium depletion

causing reverse transcriptase inhibition and decreased generation of HERV. The HERV contributes to the dynamicity of the genome and are required for the development of the prefrontal cortex. The HERV suppression contributes to retroviral resistance in Neanderthals. The actinidic archaea catabolizes cholesterol leading to cholesterol depleted state. Cholesterol depletion also leads to poor synaptic connectivity and decreased development of prefrontal cortex. This is not genetic change but a form of symbiotic change with endosymbiotic actinidic archaeal growth in the body and brain.

The neanderthalic brain had predominant quantal perception and extrasensory communication leading to oneness of society. This contributed to a just and equal society with compassion and altruism. This can be thought of as a beginning of a primitive socialistic or communistic society with equal rights for all and sharing of wealth in the community. The neoneanderthal society had a collective unconscious contributing to an equal, liberal and socialistic society. The archaeal cholesterol metabolism leads to depletion of cholesterol and deficiency of sex hormones. This leads to an asexual state with equality of both males and females or a female dominance. This leads onto androgynous behaviour and new alternate sexual identities. The neoneanderthal society is matriarchal with female leadership and dominance. Matriarchy and feminine dominance is the hall mark of neoneanderthal society. The dominant extrasensory perception and quantal perception leads to appreciation of the vacancy of the universe and a sense of God. This fulfils the concept of Maya and oneness of everything in the universe according to Hindu philosophy. The vacancy consequent to quantal perception gives a feeling of perception of God. The God concept probably evolved out of this quantal perception. The information stored in the brain functioning as a quantal computer exists as multiple possibilities in multiverse universes. The extinction of one possibility in earth doesn't foreclose the existence of the other possibilities in the quantal

state in other universes. This leads to the concept of universal eternal existence and reincarnation described in Hindu philosophy and the illusory nature of death. There is eternal existence in the multiverse quantal universe. This leads onto an extreme spiritual society with a feeling of oneness generated by the collective unconscious consequent to quantal perception. The oneness is also shared with the environment contributing to eco-spirituality and environmental consciousness.

Internet use and low level EMF pollution is common in this century. This results in increased low level EMF perception by the brain by the digoxin-porphyrin mediated pumped phonon system created Bose-Einstein condensates contributing to prefrontal cortex atrophy and cerebellar dominance. Cerebellar dominance leads to schizophrenia and autism. There is an epidemic of autism and schizophrenia in the present day community. The porphyrin mediated extrasensory perception can contribute to communication among Neanderthals. Neanderthals did not have a language and used extrasensory perception as a form of group communication. Because of dominant extrasensory quantal perception, the Neanderthals did not have individual identity but only group identity. Cerebellar dominance results in creativity consequent to quantal perception and group perception. The Neanderthalic traits contribute to innovation and creativity. Cerebellar dominance results in development of a symbolic language. The Neanderthals used dance and music as a form of communication. Painting as a form of communication was also common in Neanderthals. Neanderthal behaviour was robotic. Robotic behaviour is characteristic of cerebellar dominance. Robotic, symbolic and ritualistic behaviour is common with cerebellar dominance and is seen in autistic traits. The cerebellar dominance in Neanderthals leads to intuitive intelligence and a hypnotic quality to communication. The increased extrasensory quantal perception leads to more communion with nature and a

form of eco-spirituality. The increasing use of dance and music as a form of communication and eco-spirituality is common in the modern century along with increased incidence of autism. The cholesterol depletion leads to bile acid deficiency and generation of small social groups in Neanderthals. Bile acid binds to olfactory receptors and contributes to group identity. This can also contribute to the generation of autistic features in Neanderthals.

The Neanderthal population was predominantly autistic and schizophrenic. The modern population is a hybrid of homo sapiens and homo neanderthalis. This contributes to 10 to 20 per cent dominant hybrids who tend to have schizophrenic and autistic qualities and contribute to creativity of civilisation. This can be called as a schizophrenic or autistic human tribe. The Neanderthals tend to be innovative and chaotic. They tend to be creative in art, literature, dance, spirituality and science. Eighty per cent of less dominant hybrids are stable and contribute to a stabilizing influence leading to growth of civilisation. The homo sapiens were stable and non-creative over a long period of their existence. There was a burst of creativity with generation of music, dance, painting, ornaments, the creation of concept of God and compassionate group behaviour around 10,000 years ago in the homo sapiens community. This correlated with the generation of Neanderthal hybrids when the Eurasian Neanderthal male mated with homo sapiens African females. The extrasensory/quantal perception due to dipolar porphyrins and digoxin induced sodium potassium ATPase inhibition and the generated pumped phonon system mediated quantal perception leads to the globalisation phenomena and feeling of the world being a global village. The archaical cholesterol catabolism leads to increased synthesis of digoxin. Digoxin promotes tryptophan transport over tyrosine. Tyrosine deficiency leads to dopamine deficiency and morphine deficiency. This leads to a morphine deficiency syndrome in Neanderthals. This contributes to addiction traits and creativity. The increased tryptophan levels

produce increased alkaloids like LSD contributing to ecstasy and spirituality of Neanderthal population. Addictive, ADHD and autistic features are related to the morphine deficiency state. The ketogenic diet consumed by the meat eating Neanderthals leads on to increased generation of hydroxy butyric acid which produces ecstasy and a dissociative type of anaesthesia contributing to the Neanderthal psychology. The dopamine deficiency leads to decreased melanin synthesis and fairness of the population. This was responsible for the fair colour of the Neanderthals.

The Neanderthals were essentially meat eaters taking a ketogenic diet. The acetoacetic acid is converted to acetyl CoA which enters the TCA cycle. When the Neanderthal hybrids consume a glucogenic diet owing to the spread of settled civilisation it produces pyruvate accumulation owing to PDH suppression in Neanderthals. The increased archaeal growth activates the toll receptor and induces HIF alpha resulting in increased glycolysis, PDH suppression and mitochondrial dysfunction - the Warburg phenotype. The pyruvate enters the GABA shunt pathway producing glutamate, ammonia and porphyrins resulting in neuropathology of autism and schizophrenia. Neanderthals consuming a ketogenic diet produces more of GABA an inhibitory neurotransmitter resulting in the docile quiet nature of the Neanderthals. There is less production of glutamate the predominant excitatory neurotransmitter of the prefrontal cortex and consciousness pathways. This leads onto dominance of cerebellar function. The Neanderthal hybrids have cerebellar dominance and less of conscious behaviour. Cerebellum is responsible for intuitive, unconscious behaviour as well as creativity and spirituality. The cerebellum is the site of extrasensory perception, magical acts and hypnosis. The predominant homo sapiens had prefrontal cortex dominance over the cerebellum resulting in more of conscious behaviour.

The Neanderthals consuming a glucogenic diet produces increased glycolysis in the setting of PDH inhibition. This produces the Warburg phenotype. The glycolytic intermediate 3-phosphoglycerate is converted to glycine resulting in NMDA excitotoxicity contributing to schizophrenia and autism. Cerebellar dominance is reported in schizophrenia and autism. The cerebellar hyperplasia results in sympathetic hyperactivity and parasympathetic neuropathy. Cerebellar dominance and cerebellar cognitive affective dysfunction can contribute to schizophrenia and autism. The increased porphyrin synthesis resulting from succinyl CoA generated by GABA shunt and glycine generated by glycolysis contributes to increased extrasensory perception important in schizophrenia and autism. The archaeal cholesterol catabolism generates digoxin which produces sodium potassium ATPase inhibition and increase in intracellular calcium and decrease in intracellular magnesium. The increase in intracellular calcium can modulate the neurotransmitter release from presynaptic vesicles. This can modulate neurotransmission. Digoxin induced magnesium depletion can remove the magnesium block on the NMDA receptor resulting in NMDA excitotoxicity. Digoxin can modulate the glutamatergic thalamo-cortico-thalamic pathway and consciousness resulting in schizophrenia and autism. Digoxin induced magnesium depletion can inhibit reverse transcriptase activity and HERV generation modulating the dynamicity of the genome. This can produce digoxin induced neuro-immuno-endocrine integration. Digoxin functions as a Neanderthal master hormone.

The actinidic archaea are cholesterol catabolising and leads to low levels of testosterone and estrogen. This leads on to asexual features and low reproductive rates of the Neanderthal population. The Neanderthals consume a low fibre diet with low lignan content. The actinidic archaea has cholesterol catabolising enzymes generating more of testosterone than estrogens. This contributes to estrogen deficiency and testosterone over activity. The

Neanderthal population are hypermales with concomitant right hemispheric dominance and cerebellar dominance. Testosterone suppresses left hemispheric function. The high testosterone levels in Neanderthals contribute to a bigger brain. The Neanderthals males as well as females had a higher level of testosterone contributing to gender equality and gender neutral states. There was group identity and group motherhood with no differences between roles of both males and females. This also resulted in matrilinearity. The higher testosterone levels in males as well as females led to alternate type of sexuality and aberrant behaviour. The homo sapiens eat a high fibre diet with low cholesterol and high lignan content contributing to estrogen dominance, left hemispheric dominance and cerebellar hypoplasia. Homo sapiens had higher reproductive rates and overtook the Neanderthal population resulting in its extinction. The homo sapien population was conservative with normal sexual mores, family values and patriarchal type of behaviour. The role of females the homo sapien community was inferior to males. The increasing generation of Neanderthal hybrids due to climate change mediated archaeal overgrowth leads to gender equality and equidominance of male and female in this century. This is the basis of neoneanderthal matriarchy.

Thus global warming and increased endosymbiotic actinidic archaeal growth leads to cholesterol catabolism and generation of the Warburg phenotype resulting in increased porphyrin synthesis, extrasensory low EMF perception, prefrontal cortex atrophy, insulin resistance and cerebellar dominance. This leads on to neanderthalisation of the body and brain. This produces a new socio-political, spiritual, sexual and cultural phenotype.

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Chapter 2

The Modern Neanderthal Civilization and the Cromagnon Neanderthal Conflict - Evidence from Human Biology

Introduction

The extremes of climate change produce endosymbiotic archaeal growth. The archaea are cholesterol catabolizing organism. This results in neanderthalisation of the human species. This occurred during the ice age and is possibly a continuing phenomenon during the periods of global warming. The homo neanderthalis are matrilineal and the residual matrilineal societies of the Dravidians, Semites, Basques, Celts and Berbers are neanderthalic. The global warming produces endosymbiotic archaeal growth and neanderthalisation. This produces brain changes with the cerebral cortex becoming dysfunctional and cerebellum becoming dominant. This is due to increased perception of low level EMF by archaeal magnetite. This produces changes in human society, behaviour and disease patterns.¹⁻¹⁷

There is a high incidence of autism and Neanderthal anthropometric phenotypes in the Nair community of Kerala. The Nair community is matrilineal and is one of the few functional matriarchies in the world and speaks the Dravidian language with similarities to Celtic, Scythian, Berber and Basque societies. The autistic brain is comparable to the large sized Neanderthal brain. Autistic and matrilineal societies like Nair can be considered as fossilized remnants of the Neanderthal population. Endosymbiotic actinidic archaea using cholesterol as an energy substrate has been described in systemic disease from our laboratory. The autistic and Nair population were studied for actinide dependent cytochrome F420 activity suggestive of endosymbiotic archaeal growth.¹⁻¹⁷ This hypothesis was studied by evaluating the endosymbiotic archaeal growth in populations derived from matrilineal societies.

Materials and Methods

Three groups, 25 numbers in each group were chosen for the study - the autistic population diagnosed according to DSM criteria, the normal Nair population and the normal non-Nair population. The matrilineal characteristics and Neanderthal anthropometric characteristics of normal Nair and non-Nair population as well as autistic population were studied. The blood samples were drawn in the fasting state before treatment was initiated. The estimations done in the blood samples collected include cytochrome F420 activity, Cytochrome F420 was estimated flourimetrically (excitation wavelength 420 nm and emission wavelength 520 nm). The statistical analysis was done by ANOVA.

Results

The results of the study were as follows. The Nair and autistic and civilisational disease group had increased cytochrome F420 activity.

Table 1. Incidence of autism in Nair, autistic and non-Nair population.

Groups	Autism	Percentage
Nair	68 cases	68
Non-Nair	32 cases	32
Total	100	

Table 2. Anthropometric features in Nair, autistic and non-Nair population.

Groups	Neanderthal anthropometric	Total	Percentage
Nair	72 cases	100	72
Non-Nair	21 cases	100	21
Autism	81 cases	100	81

Table 3. Neanderthal metabolonomics.

		Nair	Non-nair	Autism	F value	P value
Cytochrome F420	Mean	4.00	0.00	4.00	0.001	< 0.001
	±SD	0.00	0.00	0.00		

Discussion

Neanderthalisation is a symbiotic event due to archaeal symbiosis. The Neanderthals had increased symbiotic actinidic archaeal growth. This occurs in extremes of climate like ice age and global warming. The homo neanderthalis evolved from the bonobo primates consequent to this symbiosis. There is increased neanderthalisation of homo sapiens during global warming consequent to increased actinidic archaeal growth. The homo neanderthalis never became extinct but survives as matrilineal societies in the lower Eurasian region. The initial matrilineal neanderthalic civilizations were the Harappan, Sumerian - Akkadian, Assyrian, Etruscan, Minoan, Celtic, Basque, Semitic, Jewish, Arabic, Australian aboriginal civilization. The civilisations are all matrilineal. The initial neanderthalic civilization survives as the lower caste sudras of India, Dravidians, Australian aboriginals, the Persians, the Semitic Arabs, the Semitic Jews, the Berbers, the Basque, Greeks, Celts and native Americans. The people inhabiting these civilizations are religious, intuitive, feminine, child-like, dreamy, somnolent, communal conscious, primitive socialistic, more sexual groups. The body habitus of these populations are shorter, sloping forehead, recessive chin and more fairer in colour. This is opposed to the Cromagnon population in the northern part of Eurasia and Africa. These populations are scientific, logical minded, patriarchal, more adult-like, more wakeful, fascist and less sexual. The neanderthalic populations inhabit the Indian ocean rim in southern Asia, west Asia as well as in the peri-Mediterranean region. The Neanderthals originated initially from the mythical Lemurian supercontinent in the Indian ocean. The earthquakes and tsunamis in the Indian ocean led to the breakage of the supercontinent and migration of Neanderthals to Harappa, Sumeria, Egypt and Basque. The Harappan civilisation was predominantly neanderthalic. They are the asuras described in the Rig veda. Most of the descriptions in the Rig veda pertain to

the asuras with the Rig vedic Gods being predominantly asuric. Sanskrit was possibly the Harappan language. The devas described in the Rig veda were the Cromagnon Aryan invaders. The Rig veda describes continuing conflict between the asuras and the devas. Finally the neanderthalic Harappan asuras were subdued and conquered. The cromagnonic Aryans who conquered Harappa became the upper caste Hindu elite and the Harappans asuras became the lower caste sudras. The Cromagnon Aryans took over the asuric Gods, Vedas and language and made it their own. The Harappan civilization of the asuras was extremely advanced and the Cromagnon Aryans were a primitive nomadic tribe. The Cromagnon originated in Africa and migrated to Eurasia. The Cromagnon population subdued the neanderthalic population and tried to exterminate them. There was also interbreeding and intermixing between the Cromagnon and neanderthalic population. The modern neanderthalic societies are in the peri-Indian ocean area of India, Iran and Semitic Arabs. They also inhabit the peri-Mediterranean area as Semitic Jews, Berbers, Basque and Celts. The predominant African and north European population is Cromagnon.

There is an eternal conflict between Neanderthals and Cromagnon. The Cromagnon tried to exterminate the Neanderthals but they survived as the Jews, Arabs, the lower caste Indians, aboriginals and native Americans. These are the people which the Cromagnon excluded from society. The underclass of Indian and European civilization was neanderthalic. With the advent of global warming an increasing archaeal symbiosis the neanderthalic population becomes activated and they try to exterminate the Cromagnon. The symbiotic archaea generates new viruses which infects the non immune Cromagnon and tries to exterminate them. The hot spots of global conflict and terrorism can be localized to neanderthalic areas. The Neanderthals dominate three world religions - Jews, Muslims and Hindus. The Cromagnon are predominantly the Africans and the Europeans. They follow the Christian religion. World conflicts

are basically between the neanderthalic races and the Cromagnon races. This is exemplified by the Jewish leadership of the Russian and French revolutions with its idea of liberty, equality and fraternity. The neanderthalic ideas basically tried to create an equal society. The Buddhist movement and religion among the religious lower caste of India can be thought of as a neanderthalic uprising against the Aryan Cromagnon domination. The present rumblings in the Muslim Semitic world manifesting as global terrorism is a reflection of the neanderthalic Cromagnon conflict. The conflict is basically between the Cromagnon ideas of colonization, capitalism, free market globalization, rightist, fascist, nazi ideas and the neanderthalic ideas of equality, democracy, freedom and socialism. The cromagnic civilization produces increased greenhouse gases leading to increased endosymbiotic archaeal growth. Endosymbiotic archaeal growth is the basis of neanderthalisation. Neanderthalisation is a symbiotic event and not a genetic change. This results in expansion of the existing neanderthalic societies - the Semites, the Dravidians and southern Europeans and extinction of the Cromagnon Aryan phenotype. The present neanderthalic areas include south Europe, India, Iran, the Arab peninsula, the Jewish homeland and the Australian aboriginals. The Cromagnon areas include Europe and Africa.

The Neanderthals were cerebellar dominant. The cerebellum is concerned with intuition and extrasensory perceptive phenomena. The Neanderthals were retroviral resistant. The archaea metabolises cholesterol and generates digoxin which produces membrane sodium potassium ATPase inhibition and intracellular magnesium deficiency. Magnesium deficiency produces reverse transcriptase inhibition. Digoxin itself modulates RNA editing. The retroviral resistance leads to a deficiency of endogenous retroviral sequences. The endogenous retroviral sequences function as jumping genes required for the dynamicity of synaptic connectivity. Dynamic synaptic connectivity is required

for cortical function. The cerebral cortex is dysfunctional in Neanderthals leading to cerebellar dominance. The Neanderthals inhabit a cerebellar world. The neanderthalic population is psychedelic, spiritual, dreamy, more feminine, intuitive, equal and female dominant. They had a communal life. They were hyper sexual and promiscuous. They can be compared to bonobo monkeys. They were matriarchal and female dominant. They are child-like have dreamy sleep, somnolent, altruistic and docile. The neanderthalic population believed in communal living and was of hyper sexual behaviour. The unconscious mind was dominant in Neanderthals. They had precognition and postcognition. They had telepathy and clairvoyance. They could have mediumistic possession and could go into hypnotic regression. They had poltergeist phenomena, group personality, multiple personality, split personality alien abduction phenomena, memory of past life, incubus and succubus. They had a magical civilization of dreams. They were subjective, personal, emotional, irrational and dreamy. They preferred the dark and nights. They had more of autism and schizophrenia. They had more of attention deficit hyperactivity and addiction. They were magical, had dominant art and religion were sexual and believed in things without proof. The belief was intuitive. They had shamanistic and magical consciousness. The Neanderthals were left handed and right hemisphere/cerebellar dominant. They were creatures of the senses and created a spiritual dreamy civilization. They were children of the dark. The self old brain of vampires, troglodytes, demons and the occult belongs to the Neanderthals. The cerebellar dominance and hypertrophy leads to cerebellar dysfunction and ataxia of speech as well as motor movements. Ataxic speech leads to the evolution of music. Ataxia of motor movements leads to abstract art. Thus the Neanderthal brain with its extrasensory perception is extremely artistic. Digoxin and dipolar magnetite in the setting of membrane sodium potassium ATPase inhibition produces a pumped phonon system modulating quantal perception. Quantal perceptive

phenomena are dominant in Neanderthals. This leads to increased extrasensory perception. This also produces a feeling of oneness and equality called the collective unconscious. This produces the socialistic equal Neanderthal society. The Neanderthals were also more spiritual and unconscious dominant. The cortical dysfunction leads to loss of hemispheric differentiation and sexual differentiation. Right hemisphere is predominantly masculine and the left hemisphere feminine. This results in asexual behaviours and cerebellar dominance leads to hypersexuality. The Cromagnon population believed in pair bonding and family patterns. They were more violent and aggressive. They were patriarchal and male dominant. They were adult-like and logical. They had rightist and fascist tendencies. They were conservative in their sexual practices. They were conscious, egoistic, wakeful, male dominant, favoured the light, objective, impersonal and cruel. The conscious logical brain dominated. They depended upon proofs, logic were detached, asexual and male dominant. The Cromagnon were predominantly left hemisphere dominant and right handed practical people. They created a material civilization. They had a rational consciousness. They were children of the light.

The global warming produces endosymbiotic archaeal growth and neanderthalisation of homo sapiens. All these produce a dualistic consciousness. The left wing versus right wing and the conservative versus liberal. It produces a double self and divided self. It results in a Caine and Abel as well as Jekyll and Hyde personality. The Neanderthals had sloping forehead, small jaw, occipital bun and large cranium. They were shorter in height and the body weight was bigger. The brain size of Neanderthals was larger. The second toe of the feet was bigger than the big toe. They had the simian crease. The homo sapiens had a smaller brain and smaller cranium. They were taller.¹⁻¹⁷

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Chapter 3

**Climate Change Mediated Archaeal Overgrowth
and Neanderthalisation - A Biological Basis for
Philosophy, Economics, History, Politics, Literature,
Social Movements, Feminism, Alternate
Sexuality and Globalisation**

Introduction

The homo neanderthalis society was matrilineal and the homo sapien society was patrilineal. The homo neanderthalis as described in previous papers had increased actinidic archaeal growth and archaeal magnetite/porphyrin mediated quantal perception. This gave a feeling of collective unconscious and universal oneness. The homo sapiens had decreased actinidic archaeal growth and archaeal magnetite/porphyrin mediated quantal perception was minimal. This gave rise to individuality in homo sapiens as opposed to societal consciousness in homo neanderthalis. This is the biological basis of the features of homo neanderthalis society - primitive communism, socialism, democracy, female dominance, alternate sexuality, creativity in art and literature, spirituality, eco-consciousness, peaceful co-existence and a globalised world. The homo sapien society was selfish, primitive capitalistic, undemocratic, dictatorial, patriarchal, more masculine, less creative in art and literature, non-spiritual and material, heterosexual, exploitative, polluting, nationalistic and with an increased propensity to war. The phenomena of global warming leads to increased extremophilic actinidic archaeal growth and neanderthalisation of homo sapiens leading to the resurgence of neanderthalic features in society. The study evaluated actinidic archaeal growth in individuals with different personal characteristic features of socialistic, capitalistic, democratic, dictatorial, feminist, male chauvinist, artistic, creative literary characters, alternate sexuality, eco-conscious, nationalistic and globalised outlook.¹⁻¹⁷ The results are presented in this study.

Materials and Methods

The blood samples were drawn from two groups (1) the neanderthalic matrilineal population with outlook of altruism, primitive communism, socialism, democracy, female dominance, alternate sexuality, creativity in art

and literature, spirituality, eco-consciousness, peaceful co-existence and a globalised world (2) the homo sapien patrilineal population with outlook of selfishness, primitive capitalistic, undemocratic, dictatorial, patriarchal, more masculine, less creative in art and literature, non-spiritual and material, heterosexual, exploitative, polluting, nationalistic and with an increased propensity to war. The estimations done in the blood samples collected include cytochrome F420 activity.

Results

The results showed that the population with neanderthalic features and characteristics of altruism, primitive communism, socialism, democracy, female dominance, matrilineal, alternate sexuality, creativity in art and literature, spirituality, eco-consciousness, peaceful co-existence and a globalised world had increased cytochrome F420 activity.

The results showed that the population with homo sapien features and characteristics of selfishness, primitive capitalistic, undemocratic, dictatorial, patriarchal, more masculine, less creative in art and literature, non-spiritual and material, heterosexual, exploitative, polluting, nationalistic and with an increased propensity to war had increased cytochrome F420 activity.

Table 1. Cytochrome F420 activity.

		Neanderthalic	Homo sapien	F value	P value
CYT F420 %	Mean	23.46	4.48	306.749	< 0.001
(Increase with Cerium)	±SD	1.87	0.15		

Discussion

Neurobiology of Economics - Communism and Capitalism

The homo neanderthalis society and matriarchal societies had increased magnetite mediated quantal perception. There was a feeling of the collective unconscious and the oneness of the world. The individual existence was meagre. The society existed as a universal whole. This gives rise to the feeling of altruism, compassion and love. This resulted in a society where societal consciousness was dominant. There was a feeling of sharing and giving. This was the basis of primitive socialism and communism. There were no hierarchal structures and the society functioned on a commune basis. Eastern societies had a more communal and social basis.

The homo sapiens and patriarchal societies had decreased magnetite mediated quantal perception. There was no feeling of collective unconscious and oneness of the world. There was a feeling of individuality and self. The society existed for the individual or family. There was no feeling of altruism, compassion and love. Individuality and dog-eat-dog mentality was dominant. There was no feeling of sharing or giving. The aim was to amass wealth for the individual and the family. There were hierarchal structures and society functioned on the basis of wealth and privilege. This evolved into capitalism. Western societies had a capitalistic basis.¹⁻¹⁷

Neurobiology of History and Politics

The homo neanderthalis had increased quantal perception. This gave rise to a feeling of oneness and equality. There were no hierarchal structures and there was a feeling of universal whole. This was exemplified in neanderthalic societies. Democracy evolved in the ancient Indian republics of the medieval age. The Harappan society was also democratic. There was tolerance of minorities.

The homo sapiens had decreased quantal perception. There was more of individuality, selfishness and the need to control others. This gave rise to dictatorship, kingship and non-democratic structures. The Nazi Germany is an extreme example of the homo sapien behaviour of selfishness and dictatorship. There was no tolerance of minorities as seen in the Nazi attitude to Jews who were neanderthalic in origin.¹⁻¹⁷

Neurobiology of Social Organisation, Feminist Movement and Alternate Sexuality

The homo neanderthalis had increased growth of cholesterol catabolizing archaea which gave rise to sex hormone deficiency and male-female equality. The homo neanderthalis had a matriarchal society with features of alternate sexuality with asexual features. There was female dominance and female leadership. There was increased quantal perception in the neanderthalic brain leading onto an equal society without hierarchy. This was a sort of primitive communism with sharing and compassion. There was no premium on individuality. There was less of consumerism and more of environmental consciousness. The environment had a soul. It was predominantly a give and take society. The society was equal and there was no apartheid. The invading homo sapiens, the Aryans imposed the caste society on the peace loving sudric Neanderthals. The Rig vedas contain vivid description of this war.

The homo sapiens had decreased growth of cholesterol catabolizing archaea which gave rise to increase in sex hormones and male dominance. The homo sapien society was a patriarchal society with male dominance and male leadership. It was predominantly heterosexual. There was decreased quantal perception leading onto a society in which individuality had a premium. This gave rise to a capitalistic society and consumerism with very little environmental consciousness. The environment did not have a soul. It was

predominantly a take-take society. The society was organized on a caste basis with homo neanderthalis as the underdog sudra and the homo sapiens as the ruling class. It was a form of apartheid.¹⁻¹⁷

Neurobiology of Language, Literature and Art

The homo neanderthalis had increased archaeal infection. This gave rise to vocal tics and motor tics. The motor tics correlated with the vocal tics leading onto the evolution of language. Language evolved due to a possible epidemic la tourette syndrome. Later on literature evolved. The homo neanderthalis had increased quantal perception and extrasensory perception. This gave rise to the world of imagination and literature. Early literature evolved in Eastern neanderthalic societies.

The homo sapiens had less of archaeal infection and a less dominant tics syndrome. The evolution of language was less effective in homo sapiens. The homo sapiens had decreased quantal perception and extrasensory perception. The world of imagination and literature was less evolved in them.

The homo neanderthalis had prefrontal cortex atrophy and cerebellar dominance. This gave rise to appendicular and axial ataxia. This lead onto the evolution of abstract painting. Abstract painting was introduced by Picasso who belonged to the Basque-Celtic society which had a neanderthalic basis. The gait ataxia and appendicular ataxia gave rise to unsteadiness of hands and limbs which later on evolved into dance. The vocal tics lead onto music and the ataxic speech gave rise to the cadence of music. The Eastern societies gave a lead to dance, painting and music.

The homo sapiens had prefrontal cortex dominance and cerebellar atrophy. There was no ataxia. Dance, music and painting were undeveloped in them. The Western societies tend to explore the field of music, dance and painting in less evolved way.¹⁻¹⁷

Neurobiology of Religion, Society and Spirituality

The homo neanderthalis had increased quantal perception. There was a feeling of oneness of the world and the collective unconscious. This gave rise to the concept of Jungian archetypes. There was increased spirituality and a feeling of a universal soul. Eastern neanderthalic societies were more spiritual and full of universal Godliness.

The homo sapiens had decreased quantal perception. There was no feeling of oneness or the collective unconscious. There was no concept of the Jungian archetypes. There was a decreased spirituality and feeling of universal soul. Religion was more organized, hierarchal and a way of controlling society. It was religion without spirituality. This gave rise to wars on the basis of religion. The semitic societies had their crusades and the modern war on terror. There was no equal war based on religion in the Eastern world.¹⁻¹⁷

Neurobiology of the Feminist Movement and Alternate Sexuality

The homo neanderthalis had increased growth of cholesterol catabolizing archaea which gave rise to sex hormone deficiency and male-female equality. The homo neanderthalis had a matriarchal society with features of alternate sexuality with asexual features. There was female dominance and female leadership. There was increased quantal perception in Neanderthals and a feeling of oneness of male and female.

The homo sapiens had decreased growth of cholesterol catabolizing archaea which gave rise to increase in sex hormones and male dominance. The homo sapien society was a patriarchal society with male dominance and male leadership. It was predominantly heterosexual. There was decreased quantal perception with male dominance and inequality.¹⁻¹⁷

Neurobiology of the Environmental Movement

The homo neanderthalis had increased quantal perception and a feeling of oneness with the world. The plants, animals and the earth had a soul. The human being felt at oneness with the world. This leads onto the concept of eco-spirituality. There was no consumerism or exploitation. The world existed along with environment.

The homo sapiens had no quantal perception. There was no feeling of oneness with the world. The plants, animals and earth had no soul. The human being was apart from the world. God gave the world to human being to exploit and enjoy. There was no concept of eco-spirituality. There was consumerism and exploitation of the environment. This leads onto global warming, pollution and destruction of the world.¹⁻¹⁷

Neurobiology of Globalisation and the Internet Dominated World

The homo neanderthalis had increased quantal perception and felt that the world was one. There was a feeling of global consciousness. The increased perception of low level EMF due to increased porphyrin production leads to prefrontal cortex atrophy and cerebellar dominance. The conscious perception is decreased and quantal perception dominates. The world becomes uniform and one.

The homo sapiens had decreased quantal perception and didn't feel one with the world. There was no feeling of global consciousness. There was decreased perception of low level EMF due to decreased porphyrin production producing prefrontal cortex dominance and dominance of conscious perception. The world belongs to the individual. The world is not perceived as one. The world is divided into nation-states and principalities.¹⁻¹⁷

Neurobiology of History, War and Peace

The homo neanderthalis had increased quantal perception and this gave rise to a feeling of universal oneness and uniformity. There was increased love and compassion. There was no war, but universal peace. The homo sapiens had decreased quantal perception and this gave rise to a feeling of individuality and tribal consciousness. There was no love or compassion. There was war and no universal peace.

The major wars of history are between the peace loving homo neanderthalis and aggressive homo sapiens. The Ramayana war was fought between the neanderthalic asuric Ravana army and the homo sapien Rama army. The Mahabharata war was between the homo sapiens Pandava army and neanderthalic Kaurava army. The world wars were imposed upon the world by the homo sapiens and their tribal consciousness. Hitler and Mussolini are prime examples of it. The only atomic bombing of the world were also conducted by the homo sapiens allied army.¹⁻¹⁷

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