

Time, Culture and Genesis

Two hundred years after Darwin's "Origins" and theories of evolution, genetic and health sciences are beginning to give some sense how and why genes function and enable healthful living, but also malfunction and mutate. This knowledge speaks to the fitness of species, natural selection and the role of genes (DNA) in the evolution of species.

New terms of art, epigenetic tags, free radicals, and anti-oxidants are entering the every day vocabulary as their connections to gene-expressions, health and disease become clearer.

The word genesis here specifically refers to the role of genes in biological function and evolution. Time and culture (nurture, enablement and disablement) set the stage on/ in which individuals experience disease and/ or vigor. Updated human intelligence plays a critical role in the "methodology" of evolution, in its physical and psychological aspects.

1. Free Radicals, Anti-Oxidants and Mutations

Radicals are "root" products that exist in the chemistry of all carbon based molecules, including proteins. Cf: "**House of Bread**" <http://www.evolution101.org/PRINTBKXa.pdf>, pp 8-18. The origin of all carbohydrates and proteins roots back to **photosynthesis**.

In photosynthesis, water molecules, H-O-H, and carbon dioxide molecules, O-C-O, are disassembled and restructured to form the root carbohydrate (glycogen agency) C-HOH. The components (radicals) of water, H, and OH quite easily locate and exchange places on the carbon atom, both in carbohydrates and in proteins.

<http://en.wikipedia.org/wiki/Hydroxyl>, <http://en.wikipedia.org/wiki/Antioxidant>

Erroneous locations of free radicals on DNA bases (**A**, adenine; **G**, guanine, **T**, thymine; **C**, cytosine) can effect gene function by inhibiting production of essential proteins, and by producing out-of-place proteins. Disordered attachments of free radicals (epigenetic tags) and mutations can transmit inter-generationally, and effect fitness for survival.

http://www.timesonline.co.uk/tol/life_and_style/health/article1759971.ece

2. Time, past, present and future

As people argue whether nurture or nature is more important in human development, so they argue whether the past, the present, or the future is the more influential in human behavior. Such exercise of disjunctive thinking can be hurtful for it sets the internality of time against holistic thinking. Reality (this moment of relationships) integrates the past, in the present, for the future.

Each, the past, the present, and the future, has its own urgency, its own immediacy. Each is bearer of its own particular virtue to consciousness, and each grace (virtue) is reciprocal to the other. The virtue brought forward from the past is faith, the certitude of collective wisdom encoded in the genetic webs of deep intuition. The virtue of the present is hope, confidence secured in the experience of the past that gives assurance of wellbeing in the future. The virtue of the future is love, for love alone endures and

secures wellbeing and the assurance of authentic relationships into the future, for self and other.

Faith finds grounding in transformational authenticity, from generation to generation. Faith deepens in trustful experience and reiterates in trustworthy communication, between parents and children, between older and younger generations. Hope finds grounding in the informed consciousness of children who experience parental/ elder wisdom, and who learn confidence in their own authenticity from the experience of adult authenticity. Love is the parent-child bond that is secured in authentic communal relationships, the bond of other-interest and self-interest, what children carry to future generations.

3. Time/Life Integration

“Trimorphic resonance” incorporates many correlated components at the same time: communication/ consciousness/ conscience; faith/ hope/ love; time-past/ time-present/ time-future; dialog/ discernment/ decision; mutuality/ complementarity/ subsidiarity.

Integral wisdom and integral living seamlessly correlate the many facets of interpersonal relationships, all at the same time, when personal integrity is conscientiously lived in community. Human community rises to the status of Godlike community when people individually integrate time in their living by mindfully attending to the moment in all relationships. The methodology of personal authentication is the same methodology as the authentication of intentional symbiosis (evolution), namely, “*cogitata perficiendo, cogitando sic perfecta*” (constantly redoing thoughts, ideas, thereby perfecting them **IN THE MOMENT**) <http://www.evolution101.org/Method%20of%20Evolution.pdf>

When we are diligent in attending to the moment, the future takes care of itself. Reality is in the moment, in this instant, which, unlike a photograph, cannot stop time and change. In trimorphic resonance, the past is present, the future is in the ever-happening present.

4. Fitness, Natural Selection and Mutation

Fitness is about healthful living, about sustainable living. Evolution is about genetic accommodation that sorts out what is sustainable, and encodes sustainable patterns. Unsustainable ways tend to lose out by erasures of natural selection. The reasons of nature are more enduring than the unsustainable reasons of human imagining. Humankind is on the right path when it reasons and accords habits to symbiotic patterns that encode nature’s evolving plan. Pattern and plan, nature’s evolutionary wisdom is there, encoded within us, for us to learn from and accommodate to, in habit and thinking.

Genetic fitness is a phenomenon of accommodation and survival. The manner of one’s living, of positive nurture (good eating, good social relationships), effects healthful gene-function and genetic stability; negative nurture (bad eating habits, long-term exposures to societal stressors), impact gene-function and genetic instability. Medical science corresponds with Darwinian sense that mutations happen under adverse conditions of life, resulting in the survival of the more fit and the losing out of the less fit.

Fitness is a matter of genetic inheritance, culture, and social/ familial nurture, and can further health, as in altruistic habits in social relationships, or can damage health as in prolonged exposures to physical/ psychical stressors. Stress exposure over time is accumulative in forms of epigenetic tags; the tagging of genes with epigenetic baggage, effects health by impacting bodily functions and by the development of disease, and generationally, by gene-mutation and transference to offspring. Good biology is good is good theology.

5. The Dark Cover of Deception

The work of evildoing seeks the cover of night. The manipulations of the power brokers of institutional self-serving are undertaken in the dark. As GWF Hegel says, "Minerva's owl flies only when daylight dies".

<http://www.gather.com/viewArticle.jsp?memberId=14883&articleId=281474977151124&nav=MyGather>
<http://news.aol.com/elections-blog/2007/09/24/michigan-polls-the-presidential-candidates/>

In our day, e-communication changes everything. The corrupt cover-up of dark deeds is becoming more difficult. So much the better for everyone! The institutional abuses by indentured clerics can no longer expect security in cover-up rather they can expect to be exposed to sanitizing light. The outcomes of cultural implosion from such deeds might be avoided if wrongdoing is early brought to light.

The genesis of life is symbiotic evolution — the transformation of "intensional" symbiosis to "intentional". The word "genesis" is synonymous in meaning with "symbiotic evolution."

Thus, the word **NOVOGENESIS** comes to mean symbiotic communication;
the word **METAGENESIS** comes to mean symbiotic consciousness; and
the word **THEOGENESIS** comes to mean symbiotic conscience — Godlikeness.

Intentional symbiosis is trimorphic resonance, the communal reflection of humankind in divinity — what is consciousness in the "divine milieu."

The review of slow evolutionary history is fast forwarded in time in the formation of every newborn, from the fertilization of the ovum to the full-term delivery of the neo-nate. In the Sacrament of Natural Order, every person, whether female or male, is born in equal authenticity. Priestly service to intentional symbiosis belongs equally to women and men. It is wrong for men to preclude women from priestly service in genesis, in symbiotic evolution, in the work of Sacrament, of Natural Order.

Popes John Paul II and Benedict XVI have both spoken to the incompetence of men to ordain for women their priestly roles in Church, in Community. It is for women, in their communication with divinity, to discern and define the conscionable requirements of their priestly service in Godlike community.