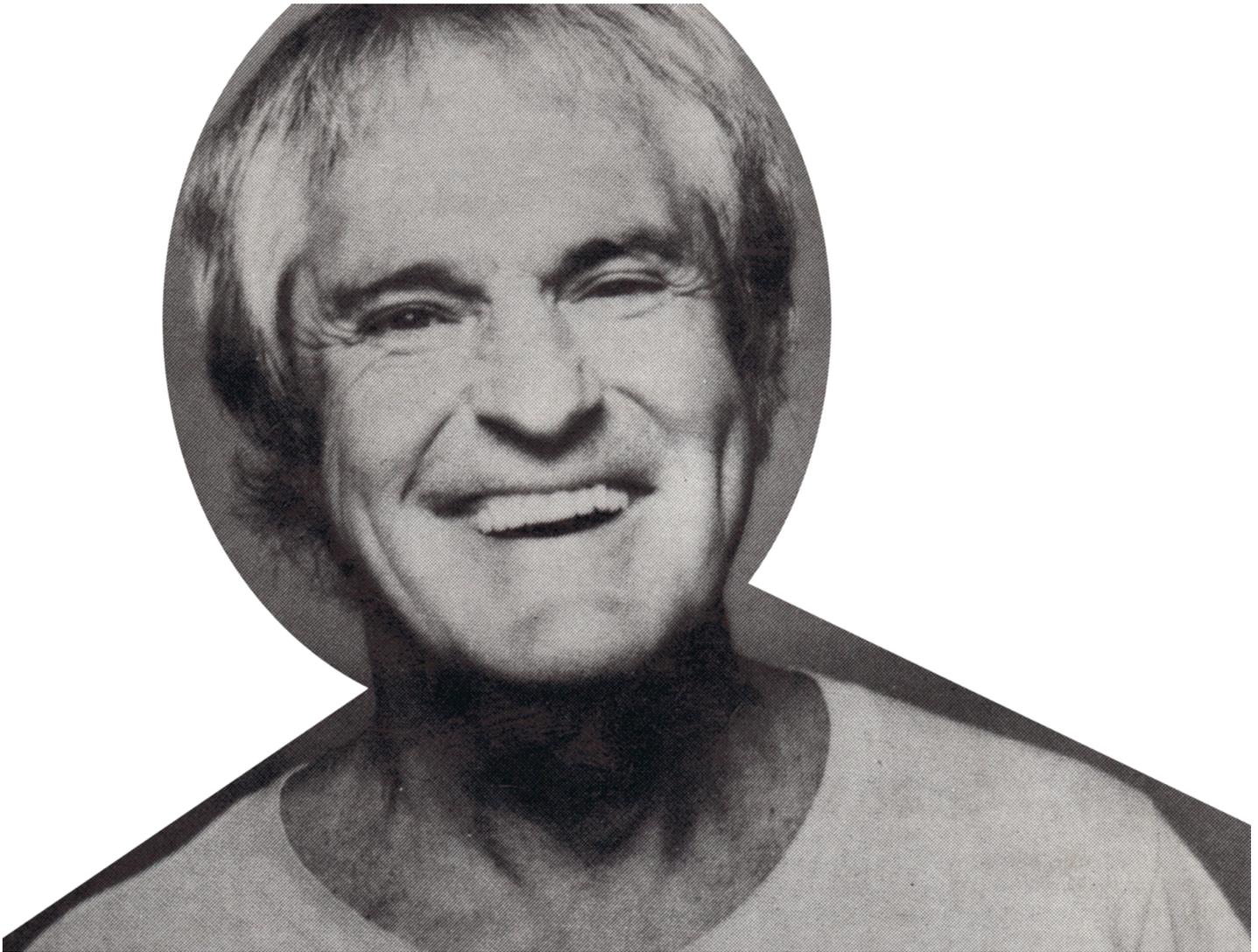


TIMOTHY LEARY



INFO-PSYCHOLOGY

A MANUAL ON THE USE OF THE HUMAN
NERVOUS SYSTEM ACCORDING TO THE
INSTRUCTIONS OF THE MANUFACTURERS

"The life of the prominent individuals within a generation cannot stand apart from the generation itself. If they are the fish, the gene-pool is the liquid in which they swim. The generational sensitivity they share is far more significant than the things that separate them."

Landon Y. Jones
GREAT EXPECTATIONS:
AMERICA AND THE BABY BOOM GENERATION

"This is not going to be a volume of memoirs about my own life. Therefore I am not going to recount the truly... amusing details of my arrest, which was like no other. That night the SMERSH officers gave up their last hope of being able to make out where we were on the map—they had never been able to read maps anyway. So they politely handed the map to me and asked me to tell the driver how to proceed to Central Intelligence at army headquarters. I, therefore, led them and myself to that prison, and in gratitude they immediately put me not in an ordinary cell but in a punishment cell."

Aleksandr L. Solzhenitsyn

"We've got the greatest system in the world; we've just got to find a way to make it work."
Nelson Rockefeller

"(The emergence of Information Society)... is the central event — the key to understanding the years immediately ahead. It is an event as profound as that First Wave of unchanged unleashed ten thousand years ago by the invention of agriculture, or the earthshaking Second Wave of change touched off by the Industrial Revolution. We are children of the next transformation, the Third Wave."

Alvin Toffler on the Cyber-Quantum Civilization

PREFACE

To Falcon Press Edition; 1987

This book was written, a long, long time ago, in the period 1975-1976.

The subsequent twelve years have produced enormous changes — in world consciousness, in American Culture, in the information-psychological sciences and, to say the least, in my own perspectives.

For example, when this book was written:

Richard Nixon was in the Oval Office, being replaced by Gerald Ford. Decriminalization of marijuana had been recommended by Presidential commissions, and by the top medical/legal associations.

I wrote *EXO-PSYCHOLOGY* while serving a long sentence in federal prison for possession of a half ounce of the stuff. Taking advantage of this government-grant of undistracted time I cheerfully involved myself in writing three books and in warily avoiding FBI assassination threats.

This enforced monasticism may excuse the wistful references to Aleksandr L. Solzenitsyn, Giordano Bruno, Andrei Sakharov, etc. My caged status may partially explain the earnest yearnings for extra-terrestrial flight, for O'Neill Space colonies and for bird-like escape from this earth's heavy gravity-well.

Can you recall those starry nights back then when our very own Sky Lab hung above us in bright high-orbit? The Washington/Cape Canaveral Shuttle had not been built, nor destroyed by NASA communication breakdowns.

In our innocence we assumed that the Shah, with the help of the CIA, could establish a western industrial culture in Iran. That Israel was a western-democracy. That Born-Again Christians were pathetic, irrelevant kooks. How innocent we were back then. How uninformed was I, not understanding several great insights which would, in the next wild decade, clarify our expectations of the 21st century.

I had, for example, not read *Great Expectations* by Landon Y. Jones. This fascinating and erroneously pessimistic book suggested that each decade of the last half of the 20th century represents a stage or passage in the growing-up of the Baby Boom Generation, a cohort 76 million strong, twice as large as expected. This new species of Cyber-kids, encouraged by Dr. Spock to think for themselves, trained by TV ads to become consumer gourmets of reality, were the first generation to explore and inhabit the Info-World, the first cohort of humans to think and communicate in terms of electron-clusters projected on screens, those shimmering, always changing mirrors of public consciousness.

Nor had I, in 1975-76, read Alvin Toffler's *The Third Wave* or John Naisbitt's writings about the post-industrial, post-nation, post-collective consciousness.

I clearly did realize that the smokestack, assemblyline, factory civilization was winding down in smog, rust, and acid rain. And I was able to spell out the four most probable next stages of our evolution as species and individuals.

5. Cyber-somatic: the individual managing his own body, using new hedonic-aesthetic technologies to pilot through the sensory world which can only be experienced by the registered (imprinted) owner. The emergence of High-Tech Paganism.
6. Cyber-neurologic: the world of the brain which can only be experienced by the owner, the individual navigating and re-programming his own brain; using new electronic technologies to create Info-worlds more tangible and natural and livable than the mechanical realities of the industrial age; the emergence of Electronic-Quantum Paganism, High-Tech Humanism.
7. Cyber-genetic: the world of genetic consciousness which can only be experienced by the individual deciphering and reprogramming his own DNA, using the new micro-biological technologies to harmonize with the Gaia Matrix to create new species; the emergence of Amino Acid Animism.
8. Cyber-atomic: the individual deciphering and reprogramming atomic info-structures, piloting the new nano-technologies for personal and species evolution.

Believe it or not, I wrote this book in the antiquated world of the rag-and-glue book, before the arrival of Eve's Electronic Apple. Before Steve Jobs and Steve Wozniak had marketed the first cyber-computer, the first personal knowledge appliance which allowed individuals to digitize thoughts, process them, alter their molecular structures, communicate them on screens.

I was quite blind to the fact that the new young generation would grow up automatically processing digitized thoughts on home electronic screens.

In short, I understood PSYber-world, but not CYBer-world.

I had extensively explored the inner worlds of consciousness, navigated the limitless psy-universe of the brain. But I had no access to and understanding of the Info-world, created by the electronic technologies which were just about to change us from mechanical-book people to quantum screen people. Home synthesizers. Computers. Audio digitizers. Video digitizers. Compact Disk Interactive systems.

My high-tech ignorance in 1976 accounts for the over-emphasis on space colonies and post-terrestrial psychology.

I did not realize that the first wave of Alien Intelligences which would teach me the quantum language of the galaxy would be found, not out beyond the wall of the Van Allen belt, but would appear in my own house in the year 1979 in the form of my Cyber-son Zachary piloting his way around the info-space of video games and the asteroids, planets and constellations of data to be explored in computer software.

In 1975-76 it seemed clear that life was leaving the planet and migrating to space-colonies which the inhabitants would fabricate. These H.O.M.E.s (High Orbital Mini-Earths) would obviously involve post-mechanical, post-national, neuro-electronic environments. But I did not realize that the space-worlds could only be built and inhabited by those who had attained Cyber-Quantum proficiency.

Exo-psychology now seems to me an important futuristic concept. But it places emphasis on the rocket-ship hardware. The title of this book should be:

INFO-PSYCHOLOGY

The Info-Worlds which our species will discover, create, explore and inhabit in the immediate future are not to be reached from Canaveral launch-pads alone, but through our computer personal screens.

To explain these new ripples my current publisher/editors Dr. Christopher S. Hyatt and Nicholas Tharcher have allowed me to re-write the first 16 pages of this revised edition. This new beginning permitted me to start shifting the emphasis from "EXO" to "INFO".

From Space Habitats to Information Habitats.

After page 16 or so you, the reader, must translate and update my 1976 prose.

Many of the terms of *Exo-Psychology* seem a bit out of place in the slick, high-tech 1980's. To update and clarify may I offer some translations?

GLOSSARY

EXO-PSYCHOLOGY:

The psychology of post-terrestrial existence.

INFO-PSYCHOLOGY:

The psychology of the post-industrial society. Precedes and complements Exo-Psychology.

DIGITAL LANGUAGE OR QUANTUM LINGUISTICS:

Thoughts packaged, stored, processed and communicated in terms of quantitative patterns. H₂O is the digitized (quantum) expression for lettered thoughts such as “wasser”, “l'eau”, “aqua”, “water”.

SPACE:

The extra-terrestrial universe, the solar system, stars, galaxies usually defined as material structures.

INFO-SPACE:

Our world, the galaxy, the universe defined and measured in terms of information. The quantum universe of signals, bits, digital elements, recorded by, stored in, processed, communicated by electronic knowledge technology, the human brain and its electronic extensions.

LARYNGEAL-MANUAL (L-M):

Oral, hand-crafted language. The creation of hand-made artifacts and tools. The paleolithic, neolithic and tool-making (tribal) stages of human evolution which came after hunter-gatherer and before feudal, industrial and quantum stages.

LARVAL:

Early primitive stages of human evolution which precede space migration and attainment of individual mastery of quantum technology. LARVAL humans are instinctually, reflexively tied to collectives; they have not reached the cyber (pilot) states of auto-thinking. This term is deliberately insolent and provocative. To label fellow human beings as belonging to primitive stages of evolution does not insure immediate popularity. This satirical usage reflects the author's traditional, Celtic playful arrogance, here inflated by jail-house blues.

DOMESTICATED PRIMATES:

Humans who do not think for themselves. Human beings who belong to tribes, states, churches, rigid organizations, nations, industrial societies. The stages which precede individual cyber-life. This is another typical snide Sufi (Gurdjieffian) barb at people who do not think for themselves. An “in joke” not appreciated by some. (Informative and funny references to DP's can be found in the following Falcon Press books presented in the order of snideness, *Undoing Yourself*, *Prometheus Rising*, *Angel Tech*, and *Breaking the GodSpell*.)

POST-SYMBOLIC:

Stages of thinking which use digitized clusters of quanta rather than lettered words or vocal utterances.

COLLECTIVE:

All stages of human evolution which precede individual independence. Other synonyms: member of HIVE, HERD, FLOCK. Usually used with satirical intent (See *Undoing Yourself*).

TERRESTRIAL:

Stages which precede space-migration and cyber-quantum thinking.

QUANTUM:

The word “quantum” refers to a bit, an elemental unit. The word QUANTUM used as an adjective indicates that the subject is defined in terms of numbers, clusters of digitized elements, units of information.

QUANTUM PHYSICS OR INFO-PHYSICS:

This is contrasted with the mechanical, material physics of Newton which concerned itself with such issues as mass, force, work, energy.

QUANTUM PHYSICS:

Defines a universe made up of temporary clusters of info-units, elemental off-on, digital bits.

THE QUANTUM UNIVERSE:

Is an INFO-UNIVERSE.

QUANTUM PHYSICS REFERS TO INFORMATION SCIENCE:

The decoding of the signals of the universe in the many dimensions of complexity. Whereas the Newtonian universe was composed of apparently solid matter, the INFO-UNIVERSE is made up of data structures.

THE QUANTUM PERSON:

Inhabits data-space, lives in Info-Worlds.

QUANTUM PSYCHOLOGY:

A synonym for EXO-PSYCHOLOGY. Human thought and behavior described in terms of the language of numbers, computers, icons.

THE ROARING 20TH CENTURY:

Each decade of the 20th century has witnessed the emergence of information appliances and new communication-art-forms which give humans increasing access to and control of electronic (digital) information.

The quantum appliances include telephones, radio, phonographs, movies, television, portable cassette players, CB radios, home synthesizers, compact disks.

CYBER:

The word CYBER comes from the Greek *kubernetes*, pilot. The Heisenberg principle demonstrated that the observer determines (i.e. defines) the realities SHe confronts by the nature of the observational technologies and the maps/models used for interpretation.

THE CYBER-PERSON:

Is the individual who understands the Heisenberg principle and accepts responsibility for the realities SHe defines and inhabits. This general principle of Self-Determination has been described for millennia by Hindu-Buddhist-Gnostic-Sufi philosophers. Creative people, writers, artists, poets, dramatists, inventors, innovators, shamans, intelligent magicians have, throughout the centuries, understood this principle. They have used it to fabricate the glories of human culture and science. However, the ability of CYBER-PERSONS to create realities has been limited to symbols, icons, myths, scripts, artistic and philosophic expressions. The Information structures we call art. Until recently human ability to describe quantum realities could not extend to the material plane because of techno-quantum ignorance. During the Pre-Industrial humans, from philosophers to sultans to serfs, were helpless victims of techno-myopia. The Industrial era tremendously advanced human ability to manage material reality, on the collective scale. It was only in the Roaring 20th century that humans discovered that the universe is an Info-Structure to be explored and managed by Intelligence, i.e., Cyber-Quantum proficiency to think and build with clusters of digitized thoughts.

CYBER-QUANTUM PSYCHOLOGY:

The individual accesses and pilots electronic knowledge technology for hir own personal purposes. The traditional eight attitudes of philosophy can now be re-defined in terms of CYBER-QUANTUM PSYCHOLOGY.

1. **COSMOLOGY:** the theory of origins defined in Cyber or Collective terms.
QUANTUM COSMOLOGY: a theory of origins which can be expressed in scientific, quantum, numerical form.
2. **POLITIC:** a theory of domination, control, freedom, submission defined either in terms of Individuals (cyber) or collectives.
QUANTUM POLITICS: a theory of domination, control, freedom expressed in psycho-geometric coordinates and digital language.
See the computer software program MIND MIRROR.
3. **EPISTEMOLOGY:** the theory which defines truth (cyber-individual belief) and fact (collective-social belief).
QUANTUM EPISTEMOLOGY: truth and fact expressed in digital language and quantum physical descriptions.
4. **ETHICS:** the theory which defines good/evil (cyber-subjective) and virtue/vice (social-collective).
QUANTUM ETHICS: good and virtue defined in the astro-physical language of psycho-geometry.
5. **AESTHETICS:** a theory defining subjective-beauty and social-art, personal pleasure and rewards from the collective.
QUANTUM AESTHETICS: Beauty, art, pleasure, reward defined in terms of numbers, digits, geometrics.
6. **ONTOLOGY:** a theory about the nature of reality based on Cyber (personal) or Collective-social attitude.
QUANTUM ONTOLOGY: a theory about the nature of reality defined in scientific, technological, quantum digitese.
7. **TELEOLOGY:** a theory of evolution, devolution or stasis based on either Cyber-individual or Collective-social attitudes.
QUANTUM TELEOLOGY: a theory of evolution, devolution, or stasis based on measurable indices, quantitative patterns, geometrics.
8. **ESCHATOLOGY:** a theory of endings, both cyber-individual and collective-social. A person who is not in charge of hir own endings probably cannot fabricate a general theory of evolutionary endings.
QUANTUM ESCHATOLOGY: a theory of endings based upon quantification, digitization, geometry.

PREFACE TO FIRST EDITION

Life on the Planet Earth, through the instrumentality of the human nervous system, has begun to migrate from the Womb Planet, to escape from gene pools, to establish colonies in high orbit, from whence it can more accessibly contact and communicate with Life in the Galaxy.

Rocket-ships have attained the escape velocity necessary to ascend beyond the gravitational pull of the womb-planet.

Radio-telescope “dishes” now look out to the stars, ready to receive electro-magnetic messages from intelligent neighbors.

Electronic signals are now transmitting through interstellar space the message of human readiness to ex-change and com-unicate.

The suspicion grows that we, who are about to leave this small satellite of a peripheral star, are neither alone nor isolated.

Within the life-time of many who read these lines, it could happen: our pioneer families will leave the solar system; interstellar messages will be received; contact will be made. The galactic discussion will begin.

It is about time to prepare for life in space as members of new, consciously selected gene pools.

It is about time to develop a philosophy, a psychology, the language to enable us to listen, understand, and respond intelligently to our interstellar neighbors.

The language is quantum, digital, psychogeometric.

Some among us will protest that human intelligence and human resources should be used to solve the agonizing terrestrial problems of unequal distribution.

These larval protests, however sincere, are embryonic, understandable and myopic.

The crisis of suffering and scarcity which now threatens humanity is not material. It is neuro-political warfare.

It has been called spiritual, psychological, philosophic. It is best described as navigational. Humanity has not yet deciphered the genetic code. The compass, the guide-book is now being prepared.

Men and women who know from whence they came and where they are going, who share a vision beyond the local-mundane will emerge from the larval gene-pools and as cyber (pilot) individuals, who learn quickly, work effectively, grow naturally, socialize lovingly and evolve gracefully. It is probably true that species coast along in serene stupidity until faced with an evolutionary challenge; at which point individuals leave the primitive collectives and become very smarter very faster.

This book, a simple-minded attempt to provide a perspective of biological evolution on and from this planet, presents hundreds of neogenetic ideas for which some individual from every gene-pool are now ready. The transmission is presented in machine-printed letters although the topics discussed are electro-magnetic and quantum-physical. The reader should expect, therefore, that his conditioned symbol-system is going to be jolted with unexpected and novel symbol combinations. This is exactly the situation that will exist when Higher Intelligence begins to talk cyber-quantum with a species of mechanical thinkers.

A human from the twentieth century would find it a most difficult and delicate task to explain “now” to a tool-maker from the sixteenth century. The sophisticated reader can avoid being irritated by some of the metaphors in this book if cultural time-lag is kept in mind.

Some good-will and open-ness towards the future is necessary in interspecies dialogues of this sort.

The importance of this post-terrestrial guidebook is that it exists. Here is a first attempt to prepare humanity for the outward journey, for post-terrestrial migration to the Info-Worlds.

Other and more sophisticated Info-psychologies will follow. Is there any more interesting or vital thing to do than to create futures?

The first attempt is deliberately eclectic and transitional—linking the religious-occult to the scientific; the antique to the futique; the legends of the past to the data of the present.

We have suggested eight periods and twenty-four stages of neurological evolution as a didactic metaphor to anticipate, to specify, to order, to personalize, to familiarize the immense post-mechanical, meta-personal, post-Newtonian electron fields which are to be imprinted.

The illustrative metaphors are not important. What is crucial to humanity’s graceful mutation is the understanding and personal application of Einsteinian, neuro-genetic, quantum-physical perspectives of who we are and whom we choose to become.

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PART I

THE EVOLUTION, STRUCTURE AND FUNCTION OF THE NERVOUS SYSTEM

1. Info-psychology is the Study of the Evolution of the Nervous System and its Larval (collective) and Post-terrestrial (Cyber) phases.
2. Info-psychology (Psi-Phy) is the Psychology of quantum physics.
3. Life Unfolds in Mutational Phases—Larval (collective) and Post-terrestrial (Cyber).
4. There are Eight Periods in Human Evolution.
5. We find it useful to define 24 Stages of Evolution; 12 Terrestrial and 12 Extra-Terrestrial.
6. This book transmits a Philosophy of Evolution from terrestrial gene-pools to individual info-space.
7. A Bio-neural Cosmology: Cellular Life is of Extra-terrestrial Origin and Galactic Destination.
8. A Neuro-muscular Politic: the Eight Freedoms and the Eight Territorial Constraints.
9. A Neurological Epistemology: Truth is Subjective, Fact is Social-symbolic.
10. A Neurological Domestic Ethic: Good is Subjective; Virtue is Social.
11. A Neurosomatic Aesthetic: Beauty is Natural, Art is Social.
12. A Neurophysical Ontology: There are Eight Neuro-anatomical Levels of Reality.
13. A Neurogenetic Teleology: The Human Life Span Can Be Extended Indefinitely.
14. A Neuro-atomic Eschatology: Biology Evolves to Nuclear Contelligence.
15. Neural Chauvinism: Every Body has a Favorite Reality.
16. Imprinting Is a Single-exposure of the Neural Film which Defines and Limits Reality.
17. Imprints Can Only Be Changed Biochemically.
18. Conditioning Associates (Bio-chemically links) a New Stimulus with an Imprint.
19. Operant Conditioning Links Performed Behavior with an Imprinted Reward-punishment.
20. Conditioning Cannot Change an Imprinted Reality.
21. A society based on Conditioning Behavior Must Rely on continued Control and Secrecy.
22. Imprinting Limits Reality to the Local Environment.
23. The Most Intelligent Use of the Nervous System Is to Imprint the Genetic Code.
24. Evolution Has Designed Some Human Species to Act as Conscious Genetic Agents.
25. A Wide Variety of Post-human species will Emerge from the Human Gene Pool.
26. The Post-larval Must be Cautious in Communicating with Larval Humans.
27. The Post-terrestrial Must also be Cautious in Communication with Pre-mature Post-larvals.
28. Think of This Book as an Astro-neurological Text.

1. Info-Psychology Is the Science Which Studies the Evolution of the Nervous System from its Terrestrial-Mechanical-Collective Stages to its Post-terrestrial-Quantum-Cyber stages.

The psychologies of the Industrial Age, (1850-1975), while claiming to measure thinking, consciousness and behavior, for the most part studied the adjustment-maladjustment of human beings to social rituals and culturally defined constraint systems. Appearing at a time when feudal theology was losing its meaning for the growing class of semi-educated, mechanical psychology provided a comforting rationale for domestication, a soothing pseudo-scientific language for supporting the values of the factory culture.

Industrial psychology, in spite of enormous, state-supported bureaucracies and its priesthood mystique, produced no verifiable theories for explaining human behavior nor any methods for solving the classic problems of human society—crime, war, conflict, alienation, prejudice, stupidity, boredom, aggression, unhappiness, and philosophic ignorance about the meaning of life.

At the same time the psychology of the Industrial Age was becoming a priestly techno-religion. the chemical, physical, information and biological sciences were quietly producing theories, facts and techniques which have profound implications for the changing of human nature.

Neurology locates the source of consciousness, memory, learning, and behavior in the nervous system—a one hundred billion cell bio-computer for which the body is transportation robot.

Clearly if we wish to understand and improve our mental, emotional and behavior functions, the locus of investigation is the nervous system. The person who can dial and tune the receptive, integrative, transmitting circuits of the nervous system is not just more intelligent, but can be said to operate at a higher and more complex level of evolution.

Pre-cyber humans maintain a rigid taboo about discussing or tampering with their nervous systems—a phobia which is based on a primitive fear of the unknown and a superstitious reluctance to learn how to know. It is now evident that the nervous system is an incredibly powerful instrument for conscious evolution which can be understood and employed for genetic tasks by those who accept the “pilot” responsibility.

Ethology which studies animal behavior in the natural and experimental setting, has demonstrated the robot-instinctual nature of neural discrimination and the role of imprinting in determining when, and towards what, animal behavior is initiated.

Industrial Psychologists have failed to apply the findings of ethology to the human situation. The fact that most human emotional, mental, sexual and ethical behavior is based on accidental imprinting of the nervous system during “critical” or “sensitive” periods of development is unsettling to mechanical-age cultures. If individuals learn how they were imprinted, they can learn how to re-imprint or reprogram their brains.

Neurochemistry has recently discovered that neurotransmitter chemicals which facilitate/inhibit nerve impulses and synaptic connections determine consciousness, emotion, memory, learning and behavior.

Psychopharmacology at the same time has discovered botanical and synthetic psycho-active agents which facilitate/inhibit states of consciousness, accelerate or dampen mental function, and permit cyber-persons to re-program.

Information Sciences: Around the turn of the century quantum physics presented three startling concepts which were to change human life. They can be paraphrased and popularized as follows:

1. Einstein’s Relativity equations suggested that everything (and everyone) is moving at velocities and directions which can best (or only) be determined in relationship to other moving units. The social and psychological implications are obvious.
2. The equations of Quantum Physics suggested that everything in the universe is made of bits or elemental units of information. Solid Newtonian matter now becomes waves or clouds of on/off probabilities. Realities could be explained metaphorically as screens of digitized patterns.
3. Werner Heisenberg contributed a third idea which defines an Information Universe. His “uncertainty” axiom holds that our observations fabricate the subject matter, i.e. realities. We can only know what our sense-organs, our measuring instruments and our paradigms or maps describe.

These three principles which define the Info-universe were first expressed with paleolith tools, chalk formulae on black boards. Almost no one could understand or accept this hallucinatory world in which everything is continually changing, is relative to viewpoint and dependent on our psychological attitude and info-technology.

We can now see in retrospect that the historical genetic task of the Roaring 20th Century has been to dissolve our psychological attachment to solid, Newtonian structures and to familiarize us, to help us, feel comfortable inhabiting these digitized Info-worlds.

The task of personalizing and popularizing new “mystical” philosophic themes has always been assigned to special genetic castes—artists, writers, poets, bards, minstrels, story-tellers. So it was the Impressionists, Expressionists, Cubists, Pointillistes, Surrealists and others of this rowdy group who persuaded us to accept visual reality in terms of shifting planes and shimmering colors.

The Jazz musicians gave sound to the Quantum principles. They improvised, syncopated, piloted. Best of all they harmonized, they learned how to form cyber-societies, pilots flying formation, attuning their subjective info-flights to those of the other musicians in the group.

Did not each decade of the Roaring 20th Century produce it’s quantum-appliance, it’s homey, comfortable, even addictive method of digitizing reality and projecting it on records, tapes and electron screens?

What a series of electronic product innovations! Waves of new digitized data inevitably surfing our species of Farmers and Industrial workers into the Quantum-Cyber future!

Radio! Film! Movies! Television! Portable sound cassettes! Computer! Self-administered psycho-drugs! Microwave ovens! Compact Disks! CB radios! — Each preparing us to live choicefully, extravagantly in the Info-world!

These Einsteinian and other discoveries have predictably traumatized those psychologists who are committed both professionally and theologically to static, Newtonian, concepts of human personality.

These four sciences provide an impressive convergence of evidence suggesting that the brain is a bio-chemical-electric-computer in which each nerve impulse acts as an information “quanta” or “bit”; that the nervous system is structurally wired into genetically pre-programmed circuits designed to automatically select and relay certain perceptual cues and to discharge rote reactions; that imprinting of models accidentally present in the environment at critical periods determines the tunnel realities in which humans live.

We are led to conclude that the human being, at this stage of evolution, is a biological robot (biot) automatically responding to genetic template and childhood imprinting.

The unflattering portrait of homo sapiens suggested by the evidence from these “new” sciences—neurology, ethology, neurochemistry, and psychopharmacology — is, of course, quite unacceptable to psychologists and religious leaders who enunciate theories about “man’s” separate, superior and “chosen” status among living forms.

We need not be surprised at “man’s” flattering self-appraisal. Since the “island realities” which we inhabit are defined by genetic template and imprint we can only evaluate ourselves in terms of the symbols which our nervous systems have created.

If we can imagine an anthropological report about homo sapiens written by extra-terrestrial scientists from a more advanced civilization, we can assume that humanity’s inability to solve its psychological, social and ecological problems or to provide answers to basic cosmological questions (e.g. why are we here and where are we going? Note: For some interesting speculative answers see *Breaking the GodSpell* and *The Sapiens System*, both Falcon books) would lead to the conclusion that homo sapiens is a species capable of very limited robot-reactivity and that Intelligent Life has not yet evolved on this planet.

Such an extra-terrestrial survey could also report the emergence of a rudimentary intelligence, as evidenced by the Einsteinian perspectives of the sciences just discussed and by the implications of four other sciences which have significance for human destiny in the future: **astronautics, astro-physics, genetics and quantum physics.**

Astronautics: The significance of extra-terrestrial flight has not yet been fully understood. The Apollo missions were more than technological triumphs or nationalistic achievements. Genetically and neurologically the beginning of a species mutation has occurred—equal in importance to the first amphibian movement from water-to-land early in biological history.

There can be no question that humanity has begun its migration to interplanetary and eventual interstellar existence. The effects of this transition on the nervous system and the DNA code will be profound. Just as amphibian and land-dwelling organisms mutated rapidly, developing the neural and physiological equipment for the new environment—so will humans mutate rapidly living in High-Orbit.

Exposure to zero-gravity and to extra-terrestrial radiation are two of many physical stimuli which will trigger-off the genetic and neurological changes necessary to adapt to interstellar life.

The psychological effects will be dramatic. Space migration requires accelerated, relativistic, multi-dimensional flexibility, of which the nervous system is capable. It is inevitable that extra-planetary humans will be as advanced beyond current earth-dwellers as “man” is beyond the cave-dwelling ancestors. The beginnings of this process of exo-psychological adaptation can be noted in several lunar astronauts and E.V.A. veterans who returned claiming cosmic insights (Mitchell), philosophic revelations (Schweikart), and rebirth symptoms (Aldrin).

Astro-physics has also produced facts which stretch the limits of psychological vision. We learn to our delight that we are not alone—that perhaps as many as half of the 100 billion or more stars in our local galaxy are older than our sun, making it highly probable that more advanced forms of intelligent life are around the neighborhood. Humans have so far been neurologically incapable of conceiving of Higher Intelligence. Even science fiction writers, with very few exceptions (Stapledon, Asimov, Clarke and others), have been unable to specify the manifestations of superior species, except as technological extrapolations and bizarre extremes of current human culture.

Whatever the mind can conceive it tends to create. As soon as humans accept and neurologically imprint the notion of higher levels of intelligence and of circuits of the nervous system as yet unactivated—a new philosophy of evolution will emerge. It is natural to call this extra-planetary perspective of human evolution **Exo-psychology**—human nature seen in the context of an evolving nervous system, from the vantage point of older species which now exist in our extra-terrestrial future.

Genetics has revealed that DNA blueprints which reside in the nucleus of every living cell are remarkably similar from species to species. Astronomers and exo-biologists have discovered the molecules which are basic to life in outer space and in other star systems. The DNA code can now be seen as a temporal blueprint unfolding sequentially like a tape-spool, transmitting preprogrammed construction plans. In the individual this code unfolds through predetermined stages from infancy, through childhood, adolescence, maturity, menopause, aging and death. A fixed time schedule similarly unfolds in the evolution of species.

The DNA code contains the blueprint of the past **and the future.** The caterpillar DNA contains the design for construction and operation of the butterfly body.

It has long been known that individual ontology recapitulates species phylogeny—that the human embryo, for example, repeats the evolutionary cycle; grows gills, is covered with hair, etc. The psycho-neural time-perspective implications of this fact have never been seriously studied.*

* *The theory of serial imprinting suggests that psychology recapitulates phylogeny. That the individual nervous system repeats the evolutionary sequence. That the baby imprints an invertebrate reality, the crawling child a mammalian reality, the pre-school child a paleolithic reality, the adolescent a domesticated-civilized reality.*

Geneticists are just now discovering “unused” sections of the DNA, masked by histones and activated by nonhistone proteins, which are thought to contain the blueprint of the future. Evolution is not a blind, accidental, improvising process. The DNA code is a prospective blueprint which can be deciphered.

Just as an engineer could study the flow-charts of an auto-assembly plant and see how a car is put together in a sequence of future operations—so can the histone-masked sections of the DNA code be studied to determine the sequence of future evolution. The instruments for deciphering the DNA message are neurological and neurochemical. The science which studies the two-way communication between DNA-RNA and the nervous system is called Neurogenetics.

Astronomy and astronautics persuade us that interstellar travel lies ahead in humanity’s future. Extra-terrestrial existence will involve an advanced, mutated nervous system and inevitable contact with superior intelligence.*

Neurogenetics is a new science (with a respectable journal and membership dues) which studies the psychology — i.e. the consciousness and behavior — of DNA-RNA. Neurogenetics may be called a branch of exo-psychology if we assume that DNA contelligence is not restricted to planet earth, but, indeed, was probably originated by and designed to return to extra-terrestrial intelligence. (See Freer’s book *Breaking the GodSpell*.)

It is becoming clear that the nucleus of the atom is a complex organization of powerful forces which operate according to relationship-laws (excitement, charm, spin parity, resonance). Just as the DNA code, located in the nucleus of the cell, is the genetic brain which, via RNA, designs and manufactures bodies and nervous systems, so can we conceive of the nucleus of the atom as the elemental “brain” which designs and constructs atoms and molecules according to quantum logic.

Quantum physics: It is now conjectured that all matter and energy in the universe operates in a “general informational field” which can be understood in terms of the relativistic interaction among the basic forces that exist in nature:

gravitational
electro-magnetic
strong force (subatomic)
weak force (radiational)

Primitive psychology was based, at best, on Newtonian “laws” and, for the most part, was geocentric (closet Ptolemaist). Even the most poetic Freudians, Behaviorists and Transactional Analysts have not allowed their theories of human behavior to be influenced by the Einsteinian revolution which has dramatically changed our understanding of the structure of the universe.

Quantum-psychology begins to study the “psychology” – i.e. the consciousness and behavior of atomic particles and to relate electronics and atomics to human consciousness and behavior. Physicist John Archibald Wheeler’s work suggests that the atomic nucleus can receive, remember, integrate and transmit information at extremely high-velocities and can probably engage in most of the basic social behavior that we observe in living organisms.

Interpersonal, emotional (i.e. motional), intellectual and social affairs at the electronic level and their transception by the nervous system define **neuroelectronics**.

Interpersonal, emotional, intellectual, and social events at the sub-atomic, nuclear level and their transception by the nervous system define **neuroatomics**. Eric Drexler’s essays on nano-technology provide a breathtaking atomic perspective of cyber-navigation at this level.

Our understanding of atomic and nuclear processes has been limited by our language-logic-imagination-philosophy which tends to be Euclidean, Newtonian. We inevitably “psychologize” nature and personalize atomic events. Our laryngeal-muscular minds, imprinted in primitive childhood, cannot conceive of what we cannot conceive of; cannot experience what we have never experienced.

Our dialogue with DNA and our conversations with atomic-subatomic and astronomical energy signals must, however, be two-way. We must open our “minds” to decode the signals! which are being sent to our nervous systems by DNA and by quantum structures. When we I geneticize our psychology, i.e. think like DNA-RNA, we see the current human condition as a transient phase in the evolution of the nervous system. Since DNA creates us, it is logically diplomatic and theologically conventional (image of God) to relate our psychology to the laws and designs of molecular intelligence. Since the nucleus of the atom designs atoms and molecules, it is logical to relate our psychology to the laws and structures of nuclear physics and astronomy; to think of ourselves as “atoms” or even “stars” radiating, decaying, attracting, repelling, receiving and transmitting along frequency spectra, resonating, forming molecular social structures, possessing a characteristic electro-magnetic personality, moving through energy networks with relativistic focii, u.s.w.

Since our primitive psychological systems based on Newtonian geocentric principles have done little to enlighten or harmonize human philosophy, does it seem too fanciful to suggest that we should, in the future, base our psychological concepts on the laws and structures of physics, chemistry, and astronomy; and seek to explain human behavior in terms of natural rather than national inter-relatings?

Primitive, geo-centric, ego-centric, socio-centric psychology, ignoring the laws of bio-chemistry and physics, constructs a philosophy of mammalian emotions, Euclidean laryngeal-muscular symbols, and parochial values to explain “man and his universe.”

* *Some astronomers now state that Superior Intelligence does not exist in the universe because “they” have not contacted us or responded to our radio signals. Such conclusions illustrate the negative bias of conventional science. There is, of course, no scientific basis for claiming or denying the existence of Higher Intelligence. Time-dilation factors complicate the matter; if a space ship were hurtling towards us at close to light-speed, millions of years would elapse on earth for every year in flight. There is no basis for dogmatic statement.*

Exo-psychology views human destiny in terms of an evolving nervous system, designed by DNA intelligence (which uses planets as temporary embryonic nesting sites, in an interstellar migratory process destined to extend life-span, life-scope) to become symbiotic transceivers of quantum-physical contelligence.

2. Info-psychology (Psi-Phy) Is the Psychology of Quantum Physics: Philosophy Based on Scientific Fact

The theories presented in this transmission might be called Science Fiction, or Philosophy of Science, or Psychology of Physics. Psi Phy.*

They are **scientific** in that they are based on empirical findings from physics, physiology, pharmacology, genetics, astronomy, behavioral psychology, information science, and most important, neurology.

They are **fictional** in the Wittgensteinian sense that all theories and speculations beyond the mathematical propositions of natural science are subjective.

They are **factual** in the sense that current advances in Space Migration, Neurologic and the Life Extension sciences have already gone beyond the fantasies of most science fiction writers. Science Fact is now farther-out than Science Fiction. We are now creating a future which is more incredible than 2001. O'Neill space cylinders are more complex and advanced than Clarke-Kubrick space-ships.

This book was written in various prisons to which the author had been sentenced for dangerous ideology and violations of Newtonian and religious laws.

Other philosophers (notably Christian theologians, statistical materialists, Marxian dialecticians) make different interpretations of the currently available corpus of scientific fact. Such theories, however popular, are equally fictional. History suggests that philosophies accepted as academic dogma or enforced by punitive legal sanctions are not necessarily any less fictional than those which are persecuted and censored. Indeed, there is some sociological evidence that science fictions are forcibly suppressed only when they are more likely to accelerate human evolution than the defensive orthodoxies which they challenge. We think of Socrates, Bruno, Copernicus, Darwin, Pasteur, Sakharov.

3. Life Unfolds in Mutational Phases From Terrestrial-Collective to Post-Terrestrial, Cyber

It gives us pleasure and increases our sense of freedom to believe that the species known as homo sapiens is evolving through an eight phase life-cycle. Four of these phases involve collective thinking on the womb planet. The four more advanced phases are designed for navigation through Info-space and beyond.

Info-psychology is a theory of Neurogenetic evolution based on the following assumptions:

1. There are millions of solar systems in our galaxy which have planets upon which organic life breeds and evolves.
2. Since our planet is at the mid-point of the evolution of a G-type sun (five billion years) it is assumed that half of the planets in our galaxy upon which life is to be found could be more advanced in the evolutionary sense than life on our planet.
3. These more advanced cultures numbering, perhaps, in the millions, represent the future of our own evolution. They exist ahead of us in genetic time. "They" are "us" in the future.
4. The same chemical elements and physical-chemical processes occur on all star systems in the known universe.
5. Life as it exists on planet earth is not unique. We could be as alike to our inter-stellar neighbors as "peas in a pod." ("We" in this cliché refers to all life forms on this planet.) We could find only early and more advanced versions of ourselves. We are the alien life forms.
6. Planets have a predictable life span. They are destroyed in the late "red-giant" phase of their suns. It is logical to suppose that Life migrates from planets before they are destroyed by aging suns or before their biological resources are exhausted.
7. The Neurogenetic theory suggests that Life is not designed to remain on the planet of birth, but to migrate throughout the galaxy.
8. Life is seeded on young planets in the form of amino acid templates. These genetic blueprints contain the multi-billion year design of evolution. The basic tactics of evolution are metamorphosis and migration. We have probably been seeded on millions of other planets.
9. The DNA code is literally a message outlining the course of evolution. On planet earth about half of this evolutionary blueprint has unfolded. The future half, blocked by histones, exists in quiescent form waiting to be activated—just as the chromosomes of a tadpole contain the future frog form. As the human embryo of four months contains the form of the neonate. Or the neonate the form of the pubescent teen-ager.
10. The human species is now completing a fourth phase of its larval development. Think of the earth as a womb. Life so far on this planet is embryonic. When life leaves the planet it adopts post-fetal, post-larval existence.
11. It is convenient to describe larval life on earth as Newtonian — concerned with the gravity-bound mechanics of survival. And to describe extra-terrestrial existence as Einsteinian. Gravity selective.

* "Everyone writes science fiction...most write it without having the slightest idea that they are doing so." Joyce Carol Oates.

The four Newtonian circuits of the nervous system are concerned with mastery of the four umbilical attitudes necessary for terrestrial survival.

1. **ventral-dorsal**
2. **vertical (up-down)**
3. **two-dimensional (left-right)**
4. **protective-incorporative (for survival of the species)**

The four Einsteinian circuits of the nervous system are designed for survival in post-terrestrial space and involve mastery of:

5. **the body as time-vehicle and info-system**
6. **the nervous system as self-directed bio-electric computer**
7. **the genetic code as molecular intelligence**
8. **meta-physiological, quantum mechanical, nuclear-gravitational force-fields (nano-technology)**

12. The metamorphosis of human species from terrestrial to extra-terrestrial existence was signalled by the almost simultaneous discoveries of neuroactive drugs, electronic instruments, DNA code, sub-atomic nuclear energies, quantum physics, computers, electronic communication.

Each of the eight periods of individual human life involves gross alterations in morphology, behavior, physiology, and most important, neurology. In spite of the fact that these changes are obvious, even to the most untutored observer, the psychological-philosophic implications of these phases have not been understood by larval scientists and philosophers. This may be due to the possibility that the human species itself is evolving through the same eight phases and, until recently, has been almost exclusively preoccupied with the four basic, collective, survival processes (vegetative, political, technological, social).*

By analogy, a society of water-bound tadpoles would be neurologically inhibited from recognizing that the amphibious frog is a later version (both phylogenetically and individually) of itself...

The scientific facts about the nervous system, the creation of reality by imprinting, our position in the galaxy, re-programming via neurotransmitter drugs, Einsteinian relativity, the DNA code—now available in any junior-college text—can be understood by an open-minded adolescent. These facts, however, are so alien to the Judeo-Christian-Marxist conceptions of human nature that they have been repressed. Unconscious resistance to patent observations and scientific findings is a routine process in the evolution of human knowledge. We are familiar with the tendency to place under taboo facts which disturb orthodox religious dogmas (See *Undoing Yourself*). The taboo phenomenon is genetically determined. Premature intimations of future metamorphotic stages would be dangerously confusing and demoralizing to a larval species.

Discovery of the serial imprinting capability of the nervous system, of bi-lateral (past-future) asymmetry in the cortex, the probability of advanced life forms on millions of planets in our local galaxy, the information universe, digital communication and recognition of the longevity implications of the unused half of the DNA code, is producing a mutational quantum leap in the course of human evolution which is now preparing the species for migration from the planet and mutation to become a cyber-species inhabiting the info-worlds of the future(s).

4. The human nervous system is evolving sequentially through eight maturational phases. At each phase a new circuit of the nervous system is activated and imprinted.

The human nervous system is evolving sequentially through eight maturational phases. At each phase a new circuit of the nervous system is activated and imprinted.

The larval (neuro-umbilical) terrestrial stages of the nervous system designed for attachment to and survival on earth are:

- I. The Bio-survival (Marine) Stages—mediating the reception, integration and transmission of neural signals concerned with cellular health and vegetative, metabolic security. Safety-danger.
- II. The **Emotion-locomotion terrestrial-mammalian Stage**—mediating the reception, integration and transmission of neuromuscular signals concerned with body-mobility, territorial control, and the avoidance of helplessness. Fight/Flight.
- III. The **Symbolic-artifactual Stage**—mediating the reception, integration and transmission of oral-manual signals, language, artifacts, symbols, tools. Tribal.

* *Rudimentary recognition of the larval, cyclical nature of contemporary human existence has been sporadically attained in earlier civilizations which have temporarily reached the necessary level of biological, political, technological, and reproductive security. In ancient China, India, Ceylon, Crete, Babylon, Greece, Islamic Damascus, Egypt, Renaissance Europe, a few neurologically elite, premature evolutes have used leisure (i.e. the time) and available technology to develop bodily hedonic, erotic, aesthetic expressions, science-fiction speculations and botanical methods of expanding neurological function beyond survival imprints.*

- IV. The **Industrial Stages**—mediating the reception, integration and transmission of neural signals concerned with sexual roles, occupation and socialization in the Factory Culture.

The four circuits of the nervous system designed to mediate somatic, electronic-neural, genetic, atomic information, and to adapt to post-terrestrial, info-worlds are:

- V. The **Cyber-somatic Stages**—mediating the reception, integration and transmission of sensory-somatic signals uncensored by government imprints designed to operate in a zero gravity environment. Body Consciousness.
- VI. The **Cyber-electronic Stages**—reception, integration and transmission of neural signals at the simultaneity and velocity of a bio-electric-grid; not programmed by government imprints, but by the individual. Brain consciousness.
- VII. The **Cyber-genetic Stage** imprints the DNA code, receiving, integrating and transmitting RNA signals, thus operating at species-time, making possible biological immortality, and symbiosis with Higher Life forms. DNA consciousness.
- VIII. The **Cyber-atomic Stage** imprints sub-nuclear quantum-physical and gravitational signals, thus transcending biological existence. Quantum consciousness. Nano-technology.

SPECIES EVOLUTION:

At each chronological stage of species evolution, new imprints for collective-governal realities emerge. These socially-consensual neural-programs determine the positive-negative magnetic-poles for culturally conditioned members of the gene-pool. Good/evil. Taboo.

Collective consciousness was needed to accomplish the embryonic states of evolution. A fetus or a larval form cannot branch out on his own.

Governal (hive) consciousness was required to domesticate animals, establish agriculture, fashion metal tools, form nations and empires, build sea-going vessels, printing presses, steam engines, factories, electrical plants, airplanes, radios, movies, nuclear instruments, rockets and computers.

When the 20th century hives had the technologies necessary to leave the planet and communicate in quantum-speak, then, and only then (1987?) was it time to transcend biology and locate the environment for evolution in the minds of individuals. The Cyber Society.

INDIVIDUAL EVOLUTION:

In the cyber-stages of evolution each individual is responsible for fabricating the futures.

We are no longer tied to gene-pools or womb-worlds.

There are inevitable, logical stages which the Cyber-person must learn to master. To be more precise—there are technologies which can only be operated by individuals. There are logical geographies of worlds which the Cyber-person must learn to navigate.

The Cyber-somatic: Piloting the Individual Body.

Only the individual can operate a human body. Sorry, Gov, but that's the way it is.

Only the individual can experience and inhabit and evolve in the somatic-sensory world. Only the Indy can experience the tooth ache or the orgasm.

The first declaration of independence, the first solo intercontinental flight is control of our own body and sense-organs.

The Cyber-neural: Piloting the Individual Brain.

Only the individual can operate a nervous system. Individual consciousness is a mysterious, precious and lonely experience which cannot be duplicated by the most powerful collectives.

The Cyber-genetic: Piloting the DNA code.

The Cyber-atomic: Piloting nano-technology.

At each chronological phase of individual evolution a new imprint is formed. Each imprint determines the positive and negative foci for subsequent conditioning of the newly activated neural circuit. Each imprint defines a level of island reality. Recently developed techniques for re-imprinting make possible serial, planful re-creation of realities.

All the activity of the nervous system is based, of course, on chemical-electrical communication. The first four governal stages of the nervous system have been designed by the DNA code to deal with the Euclidian-Newtonian characteristics of the planet earth and to adjust the individual to herd-flock-tribal, national industrial realities.

The four later post-terrestrial stages are designed for the quantum-info world so that the individual can pilot through somatic signals, neuro-electric receptivity, deciphering of DNA-RNA signals, and integration of sub-atomic messages.

5. We find it useful to define Twenty-four Stages of Neural Evolution: Twelve Terrestrial (governal) and Twelve Post-terrestrial Cyber quantum.*

In the preceding section we have defined eight periods of human evolution.

Four are collective-terrestrial and four are cyber-quantum designed for Info-worlds and beyond.

Let the goal of evolution be Higher Intelligence—the sequential development of the nervous system—increasingly capable of receiving, integrating and transmitting a wider spectrum of signals of greater intensity, complexity and speed.

The more intelligent the collective species, the greater the capability of adapting and surviving. Bodies are vehicles for transporting brains and seed. Bodies evolve to house and transport brains and sperm-ova more efficiently.

The genetic code has pre-programmed the nervous system to evolve in metamorphic stages. The basic strategies of evolution are metamorphosis and migration.

The sequential emergence of neural circuits in the individual human recapitulates the phylogenetic appearance of nervous systems of greater complexity.

In studying the evolution of nervous systems it becomes obvious that a three-part developmental sequence occurs.

Passive reception-consumerism

Active integration

Interactive transmission-fusion

The neuron, which is the basic unit of biological contelligence, possesses three anatomical and functional divisions; the dendritic system which receives signals, the cell-body of the neuron which stores, integrates, interprets incoming signals and the axon which transmits the message. Each neuron, each circuit, and, indeed, the nervous system in its totality is divided into these three functions.

At the lowest level of unicellular and invertebrate life these three functions operate for the survival of the collective, but, at the higher stages of evolution, communication and fusions among individuals becomes more important for survival.

As each neural circuit emerges during the development of the individual, the passive consumer, receptive, input phase is the first to appear. The active integrating phase follows and the organized transmission linking of the organism to others is the third phase.

The development of the larval individual proceeds, therefore, through twelve phases (4 circuits x 3 orientations). Post-terrestrial, info-cyber-evolution also proceeds through twelve stages (4 x 3).

These twenty-four stages are both phylogenetic and ontological. The first twelve neurogenetic stages describe the evolution of life on this planet from single-celled organisms up to the most advanced insect and human societies and the development of the individual from birth through larval maturity, complete hive socialization.

A detailed description of these stages will be found in the book **The Game of Life**.

6. This book Transmits a Philosophy of Evolution from Terrestrial Species to Cyber-Quantum Individuals

We assume (without extensive review or restatement) the facts current in (1976-1987?) and theories of nuclear physics, astronomy, DNA genetics, ethology, experimental imprinting, psycho-pharmacology, neurology and behavioral psychology.

Based on this consensus of scientific fact and on extensive experimentation with expanded and accelerated states of consciousness in the widest range of set, setting and social context, we present:

1. A Bio-neural **cosmology**, a theory of the origin and evolution of life on and off this planet.

* The book **The Game of Life** presents a systematic detailed discussion of the twenty-four stages of neuro-evolution—suggesting that biological and human individual evolution is coincidental with a blueprint design to be found in the Periodic Table of Chemical Elements.

This book treats the Periodic Table as a code-message which outlines the sequence of atomic and biological evolution and as a Rosetta stone from which some philosophic meanings of enduring human symbol-systems can be deciphered.

Some ordinal symbol systems which can be understood in terms of the periodic table include:

The Tarot, The Zodiac, The I Ching, The playing card deck, The Greco-Roman Olympic Pantheon, The Hebrew Alphabet, Icon Systems

These cultural icon systems are seen as crude psycho-logical neuro-symbolic expressions by pre-scientific cultures of the model of galactic evolution which is based on the table of atomic elements. These “occult” systems are proto-scientific attempts to predict the course of evolution of life on and off the planet and can be seen as neuro-cultural communication systems in which humanity symbolizes natural laws.

Info-Exo-psychology is a primer concerned with outlining eight major sequences of neurological evolution. The detailed description of the 24 stages will be found in **The Game of Life**, to which the interested reader is referred.

2. A Neuro-muscular **politic**, defining the basic genetic dimensions of the freedom-control of mammalian muscular movement in territory.
3. A Neurogenetic **epistemology**, a theory defining the subjective True-False and the consensual Fact-Error of laryngeal-manual (L.M.) symbol systems.
4. A Neurogenetic **ethic**, defining what is subjectively good-bad and consensually right-wrong.
5. A Neurosomatic **aesthetic**, defining the natural, somatic dimensions of the beautiful.
6. A Neurogenetic **ontology**, an anatomical-empirical theory of the eight levels of reality, their evolution and interaction.
7. A Neurogenetic **teleology**, defining the future course of individual and species evolution, leading to longevity and galactic symbiosis with Higher forms of life.
8. A Metaphysiological Neuro-atomic **eschatology**, predicting the imprinting of the nervous system on to atomic quantum information fields.

7. A Bio-neural Cosmology: Life Is of Extra-terrestrial Origin and Galactic Destination

This book presents a neurogenetic cosmology—a theory of the origin, evolution and destiny of life on and off this planet.

This cosmology suggests that Higher Intelligence, located in interstellar quantum information structures, has already sent a message to this planet. The U.F.O. message is in the form of the DNA code and of electro-atomic signals which can be transceived by the nervous system.

Life, a multi-billion year old unbroken info-wire of evolving contelligence is the message.* Directed panspermia. Life was seeded on this womb-planet in the form of amino-acid templates designed to be activated by solar radiation and to unfold in a series of genetic molts and metamorphoses.

It is useful to define eight evolutionary phases which probably unfold on all oxygenated womb-planets in the galaxy.

Let the first four phases concern the adaptation of the collectives (gene-pools) to the Newtonian characteristics of the womb-planet. Designed for fetal survival attached to the earth surface.

During the four later phases individuals decode, integrate and adapt to the Einsteinian electro-atomic-gravitational forces operating in post-terrestrial info-space.

The first four phases are muscular mechanical and define tiny survival “island realities” to which gene-pools are attached.

During the four post-larval phases individuals navigate life off this planet.

The biological “master plan” of organic evolution located in DNA directs the unfolding of the circuits of the nervous system.

One major goal of life is for the individual to become Increasingly Intelligent (I²) in order to decode somatic signals within the body, within the nervous system itself, signals from the DNA code and metaphysiological neuro-atomic energy patterns.

The history of life and of humanity is best defined in terms of the evolution of the nervous system and of knowledge technologies. In place of anthropological categories based on geography (Java Man), adaptive behavior (Neolithic Man), we suggest the following periods of neural evolution. Each period is considered as larval or robot to the subsequent.

1. Unicellular-invertebrate marine phase: approach-avoidance for vegetative survival.
2. Vertebrate animal phase: territorial dominance and mastery of gravity.
3. Humanoid phase: symbol manipulation, oral communication, tool-making.
4. Human industrial phase: nervous system imprinted for social role allowing for division of labor, caste, class, custom. For species survival.
5. Cybersomatic phase: insightful control of the gravity-free body. Body consciousness by the individual.
6. Cyberelectronic phase: the individual maintains insightful control of the nervous system detached from somatic programs. Brain consciousness.
7. Cybergenetic phase: the individual manages insightful communication between the nervous system and the DNA code leading to symbiosis and Life Extension. DNA consciousness.
8. Metaphysiological neuro-atomic phase: insightful communication between the nervous system and sub-nuclear energy. Quantum consciousness.

Each life form on this planet is an alien immigrant from outer space. We are all Unidentified Flying Organisms.

During the first four larval phases the emphasis is on gonal membership and attachment to the earth-womb for survival in one-G space. During the four later phases the emphasis is on individual management of somatic, neurological:

5. piloting the body as zero gravity vehicle
6. piloting the nervous system as transceiver of high-speed bio-electronic signals.
7. symbiotic DNA linkage with other galactic life forms
8. transfusion with metaphysiological intelligence.

* In place of the word “intelligence,” Info-Exo-Psychology prefers the word “contelligence,” referring to the reception (consciousness), integration and transmission of energy signals. There are eight levels of contelligence.

These eight neurological phases of evolution listed here are discussed in detail in the book, **The Game of Life**. It is important to note that an evolutionary, galaxy-centered cosmology and teleology (theology, if you will) is being presented. It is necessarily Psi Phi in flavor. There is no dogmatic commitment to the metaphor. It is one hypothetical, cosmological model, based upon current scientific facts from psychology, ethology, genetics, neurology, and astro-physics; one model to explain the origin and meaning to life and to predict future evolution in a context in which current human forms are seen as larval, fetal.

Cosmology is traditionally considered a “far out,” risky enterprise, inevitably involving the sort of speculation that makes people uneasy. There is, indeed, a taboo censoring teleological discussions. This future-terror (Neophobia) often leads to inquisitorial repression. Bruno was burned at the stake for persisting in cosmological broadcasts, for raising embarrassing futique questions. In his essay **On the Infinite Universe and the Worlds** Bruno presents this probing dialogue:

Elpino: How is it possible that the universe be infinite?
Philotheo: How is it possible that the universe be finite?
Elpino: How do you claim that you can demonstrate this infinitude?
Philotheo: Do you claim that you can demonstrate this finitude?
Elpino: What is this spreading forth?
Philotheo: What is this limit?

The creative cosmologist presents Hir* theory and then asks the critic to explicate Hir own. And here is the tender point. Although every larval bases Hir life on an implicit cosmology (usually vague dogmas imprinted on the childhood nervous system) most practical people are reluctant to verbalize their basic beliefs, because they do not stand the scrutiny of rational view and scientific perspective:

Larval Philosopher: How can you claim that the human being is a larval form of a future metamorphosed entity of higher intelligence and consciousness?
Exo-Psychologist: How can you claim that evolution stopped with the present human nervous system?
Larval Philosopher: It is absurd to speculate about a Higher Intelligence seeding earth with pre-programmed genetic blueprints.
Exo-Psychologist: What is your theory of the origin of life? Old Testament Genesis? Chance and statistical probability? Lightning bolts triggering life in methane-ammonia puddles? i.e., spontaneous generation?

A dreadful malaise has demoralized the modern world. Spenglerian doom. This crisis is not political, ecological, energetic or economic. It is philosophic. Pre-partum depression. Technological, economic and political conferences are inevitably pessimistic because they avoid the real issues, the gyroscopic-navigational questions: Why are we here and where are we going?

Cosmological questions about origins are intimately linked to theories of destinations.

Speculations about the origin of life provide the foundation (conscious or unconscious) of every human culture. Inevitably questions about

Who did it and why?

lead to answers about how we can get to where we are supposed to go. If Allah did it, then we are en route to Allah. If no one did it then we are going nowhere.

Since each of the eight circuits of the nervous system produces its own reality, each imprint naturally provides its own answers limited to the imprint.

Circuit 1, for example, defines the goal of life in viscerotonic, vegetative, cellular survival terms—to cat, drink, breathe, avoid pain, danger and cold. And so it goes for the other larval levels of reality.

At this critical time in history there are two broad approaches to the questions of Why? Where from? Where to? and By whom?

Evolutionists larval Scientists
Creationists Larval Theologians

The “issue” is complicated by the fact that science and theology are inextricably linked and that many scientific evolutionists are closet creationists.

The currently orthodox “scientific” theory of evolution holds that all plants and animals have developed from inorganic molecules, stewing in the Pre-Cambrian slime, sparked into life by electro-magnetic processes three billion years ago; that chance and natural selection working slowly but relentlessly with nucleic acid chains have produced the variety and complexity of biological life. Most evolutionists believe that all life forms derive from a common origin because of the amazing similarity of DNA among species and because of the apparent continuity of phylogenetic and individual development.

* In this transmission the union of male-female is taken for granted as a neurogenetic necessity. The general terms “man/Mankind” are never used. We employ the word SHe to refer to the generic post-terrestrial human. The generic possessive is Hir, i.e. a combination of “his” and “her.”

Evolutionists who propose this “chance-slime” theory tend to be atheistic, scientific, skeptical and pessimistic about the existence of human-type life on other planets. They tend to remain silent about the possible existence of Higher Intelligence in the galaxy. G. G. Simpson, a leading evolutionary philosopher, has cited the statistical improbability of life evolving on other planets the way it has unfolded on earth. To strict statistical evolutionists the emergence of human-type life, even on this planet, is improbable, if not impossible.

Most evolutionists rely on chance as the determining factor and attribute the apparent ascendancy of humanity upon the fortuitous accidental emergence of the unique nervous system.

Creationists vary in kind and species as widely as do evolutionists, but in general they believe that at some early period of history distinct species were separately created by a Higher Intelligence called Yahweh, Jehovah, God, Allah, u.s.w.

Many creationists rely upon the biblical **Genesis** which states that God created the various kinds of animals, that “man” was created separately and “women” as an after-thought.

Sophisticated forms of Creationism have been produced by scientists such as Carolus Linnaeus, the Father of Taxonomy, who claimed, “there are just so many species as there were forms created in the beginning.” Louis Agassiz, a Harvard biologist, declared that the Creator designed the living forms we now witness.

A basic difference between these two points of view is this:

Evolutionists believe that the complex variety came from the simple.

Creationists believe that the complexity and variety were designed from the origin.

Evolutionists also tend to believe in the “accidental,” chance nature of the process and to avoid the notion of a pre-destined design or designing intelligence.

Creationists have tended to be orthodox religionists who personalize the Divine Creator and tend to place humanity on the apex of terrestrial life—usually allowing for a post-mortem, post-biological existence for chosen believers. Some theologies provide for extra-terrestrial, metaphysiological entities—demons, angels, devils, Saints. An unbridgeable gulf has developed between theological creationists and scientific evolutionists who can find no evidence for the celestial fantasies and wishful immortalities of the former.

It is interesting that few, if any, thinkers from either camp have emphasized the possibility of evolution continuing or speculated in any detail on the specific forms that the future may provide. The existence of Advanced Forms of Intelligence on other planets or in humanity’s future is particularly embarrassing to scientists who have, perhaps, been scared-off by the celestial absurdities of religious orthodoxies.

Exo-psychology presumes to offer new solutions to these classic questions by suggesting:

1. that life on this planet is not unique
2. that the planet has been seeded
3. that evolution of the various species unfolds on all biological planets according to the same pre-determined plan
4. that life is designed to migrate from the nursery planet
5. the great mutations are pre-programmed to appear in our future.

Exo-psychology attempts to assemble evidence from all the sciences, to pay respectful attention to the enduring myths which bubble up from the nervous systems of the past—and to make practical extrapolations from both sources of data to anticipate the future.

It is thus possible to entertain a Creative-Evolutionism which holds that the original amino-acid templates had built into their design:

1. standard physiological and anatomical methods for creating and dealing with the various environmental challenges which coincidentally-evolve on planets like ours
2. pre-determined sequences of improvements in anatomy and particularly in neurology which allow evolving species to metamorphize to a point where they can leave the planet.

It is not necessary to accept “directed panspermia” to assume this exo-psychological point-of-view. The most conservative scientific logic leads to the future probability of:

**improvements in the use of the nervous system
genetic engineering
concomitant variations in human stock
extra-planetary colonization.**

Science fiction has developed into a popular form of literature. The best of Sci-Fi becomes Psi-Phy, the Psychology of Physics. Television and movies also reflect a growing interest in the mutated future. It is of interest, however, that few science-fiction writers are capable of imagining Higher Intelligence. This inability to specify a harmonious and successful future is due to the nature of the nervous system. Caterpillars cannot write with convincing reality about post-larval life.

Since the “head revolution” of the 1960’s, the basic principles of neuro-logic and reality-change have been widely accepted. While the terms **imprinting, serial-imprinting and re-imprinting** are not often used, there is growing “hip” acceptance of the notion that each nervous system creates its own reality. The vulgar, even cynical, reaction to this ontological discovery is to smile tolerantly and say, “Everyone is crazy in their own way.” “Do your own thing.” “Don’t lay your trip on me.”

The next neurological step is to accept the responsibility and say, “Since our imprints create reality, let us choose realities which are as fantastic and thrilling as possible. Almost anything we can conceive, we can make real.”

If exo-psychology can imagine human intelligence expanding to extra-terrestrial dimensions, is it not neurologically possible to real-ize these challenging possibilities? If we can imagine directed pan-spermia, then it can exist. Indeed, we can do it ourselves. If Higher Intelligence has not seeded space, then there is no reason why we cannot do it. Agriculture is, after all, “directed spermia.”

Here the polarities of the Evolutionists and Creationists can be harmonized. Our geneticists can help humanity become the Creator of Species, on this planet and, via interstellar migration, in space.

Humans have always created God in their own image. Neurogenetics now makes it possible for humanity:

1. To contact Higher Intelligence which may have designed the evolutionary sequence, or
2. To design the evolutionary process so as to create Higher Intelligence.

If a credible, respectable God does not exist, let us by all means invent Hir. We **do** need someone to talk to.

At the present time, these are simply educated speculations about the future. But it does seem probable that our micro-hopes and tele-hopes can create the realities to come.

Exo-psychology predicts that the Higher Intelligence is to be found within the micro-physiology of the DNA code and suggests that the most interesting way to use our time is to attempt to contact the Higher Intelligence and to hope that our neurons and amino-acids are capable of fusion with Hir.

8. A Neuro-muscular Politic: Defines the Eight Freedoms and the Eight Controls

Towards the end of the sixteenth century, Giordano Bruno aroused the groggy world, asking it to fling its mind far beyond the planets. He speculated that the cosmos extended to infinity—without an edge.

This is itself was not so shocking; but Bruno went considerably further—he postulated a multiplicity of worlds; suns and planets with life, unseen companions for the race of man. He toyed with man’s conception of himself; for this, and for magical claims and political entanglements, he was burned in 1600.

Charles A. Whitney

Politics is the externalization of emotions; mammalian, musculotonic behavior mediated by the emergency (sympathetic) nervous system to seize or defend territory.

There are four levels of terrestrial freedom, four conditions of servitude, four levels of social fusion all related to the basic mammalian mesomorphic drive to get “on Top.” There are also four neurological freedoms which characterize post-terrestrial existence.

1. **Biological, Viscerotonic Freedom** to protect one’s life and health and the Constraint of actions which threaten the cellular survival of others. Personal health. Public health. Access to vital supplies. Expression and control of violence.
2. **The Territorial Freedom** to maintain one’s living space and to move freely; the Constraint of intrusion on the living space of another or the control of the mobility of others.
3. **Technological Cerebrotonic Freedom** to manufacture, possess and use artifacts and to transmit symbols. The Constraint of using force to take the artifacts of others or to censor their symbol systems.*
4. **The Cultural Freedom** to select one’s life style and socio-sexual role. The Constraint of interfering with the courtship styles, mating rites, impersonation styles, and domestic mores of others.

These basic larval Freedoms and Constraints define the muscular politics of material, Newtonian, terrestrial One-gravity existence.

Next we consider the politics of **time**.

The politics of extra-terrestrial, Einsteinian existence concern the Freedom and Control of energies within the human body, within the nervous system, within the DNA code, and within the structure of the atom.

5. **Somatic Freedom** to control one’s own body function and sensory input. The Constraint of interfering with another’s bodily function or sensory intake. The Constraint of imposing involuntary stimuli on others. Specifically this implies the freedom to ingest any drug or food and use any erotic stimulation one wishes and the Constraint from drugging, torturing or erotically stimulating others without their consent.
6. **Neurophysical Freedom** to expand, accelerate, control one’s own nervous system and to broadcast and receive electronically. The Freedom to migrate from the planet. The Constraint of interfering with the brain-reward processes and the neuroelectrical transection of others. The Constraint of interfering with the extra-planetary plans of others.

* This book is being written in prison under the well-publicized threat of assassination by extremists of both left and right. This manuscript has, at best, an even chance of getting published. Exo-psychology is not an armchair philosophy of abstractions; it has been forged in the dangerous realities of larval existence on this planet.

7. **The Genetic Freedom** of all life forms to live and evolve into symbiotic fusions. The Constraint of actions which threaten the evolution of other life forms. Specifically this implies the freedom to conduct genetic research; to facilitate one's own evolution and symbiosis. And the Constraint of genetic research which hurts, manipulates, enslaves or genocides other life-forms.
8. **The Nuclear Freedom** of all life forms to attain fusion with metaphysiological intelligence; to conduct nuclear particle research. The Constraint of actions which use nuclear energy to threaten the lives and evolution of other life forms.

Exo-psychology defines eight levels of Revolution-revelation:*

8. Nuclear Revelation (quantum time)
7. Genetic Revelation (DNA time)
6. Electronic Revelation (brain time)
5. Hedonic Revelation (body time)
4. Cultural-sexual Revolution (hive-domestication power)
3. Technological Revolution (mechanical power)
2. Political Revolution (musculotonic power)
1. Violence Revolution (viscerotonic power)

Exo-psychology also defines eight social groupings:

8. Fusion with nuclear structure
7. Symbiosis
6. Telepathy; cyborg fusion
5. Somatic fusion; tantra, nature communes, space colonies
4. Cultural-ethical groupings (hive, tribe)
3. Technical-professional-occupational groupings
2. Political-territorial groupings
1. Bio-survival groupings; military-medical

9. A Neurological Epistemology: Truth is Subjective, Fact is Social

This book presents a neurogenetic epistemology—a theory of what is subjectively true and what is consensually factual. There are eight levels of truth.

1. Bio-survival viscerotonic truth: the neural signals mediated by the First Circuit which define vegetative-cellular safety and danger. (My toothache.)
2. Emotion-locomotion truth: the neural signals mediated by the Second Musculotonic Circuit which define territorial status—dominance-helplessness. (My emotion.)
3. L.M. Symbolic Cerebrotonic truth: the neural signals mediated by the laryngeal-manual Third Circuit which discriminate and connect my artifacts and my symbols.
4. Cultural-domestic truth: the neural signals mediated by the Fourth Circuit imprint which define soc-sex role. (My socio-sexual values.)
5. Neurosomatic truth: somatic-sensory signals, free of larval-survival cues, directly registered and mediated by the Fifth Circuit. (My pleasure, my beauty.)
6. Neurophysical truth: all the neural signals registered as bio-electric impulses received by the brain. (My synaptic transmissions.)
7. Neurogenetic truth: signals sent by DNA-RNA to the brain. (My DNA memories and forecasts.)
8. Neuro-atomic truth; atomic-nuclear-quantum signals registered and mediated by the brain.

Each nervous system creates its own island realities. Truth is defined by the wiring of the individual nervous system—genetic, imprinted and conditioned. The “fact” is that the human brain deals with a reality of several billion signals a minute—changing patterns of vibrations—mediated by the eight circuits. Whatever interpretations the individual's imprinted-conditioned symbol systems impose on these energies is “true”—although it may not be “true” for others. John's First Circuit toothache is the Dentist's Third Circuit “clinical problem.”

Children imprint the survival cellular tastes, the emotional muscular reflexes, the L.M. symbols and the soc-sex models of their parent-culture. This socialization of larval imprints and conditionings makes consensual communication possible. The island-realities of the child overlap the island realities of the parents and the local tribal group. The child learns the movements of the laryngeal muscles and the manual muscles that create the appropriate symbols. Epistemological games are thus learned. These social reality-

* *Revolution is change or mutation in material externals. Revelation is change or mutation in neurological-extra-terrestrial energies. Revolution without revelation is tyranny; revelation without revolution is slavery.*

islands contain names for labelling energy clusters and relating them. The L.M. symbols, labels and learned sequences of association are assigned “factual” semantic meaning. Facts exist only within the limited framework of the parochial game. Social reality-islands set up criteria for determining fact and error, right and wrong, which may or may not have any relationship to what is experienced by the individual as “true” or “false.”

10. A Neurogenetic Domestic Ethic: Good is Subjective, Virtue is Social

There are 12 larval soc-sex roles which can be imprinted by either male or female.* These roles are valued as consensually “virtuous” or “sinful” depending on their meaning to the domestication-style of the society and its sub-cultures. These roles are valued subjectively as “good” or “bad” on the basis of the Fourth-Circuit imprint.

The Fourth Circuit imprint, determined by genetic sexual-templating and the accidental proximities of adolescence, determines domesticated sex role. The style and object of gender expression-inhibition, sexual impersonation. “Good” is what triggers off the imprinted sexual response. “Good” is what excites and attracts; causes the sexual-domestic juices to flow. “Good” is what provokes the experience—“Ah, there! Now I am at home!” This can be genital penetration-incorporation. It can be parental, protective contact. It can be reception of signals indicating collective security, social approval, applause, patriotic symbols. It can be sado-masochistic contact. It can be laryngeal-manual rhythmic fusions. “Bad” is what turns-off or threatens a soc-sexual reward. To the domesticated primate (human), “good” and “bad” are subjective sexual expressions (genital, parental or sublimated-displaced). Usually secret, often unconscious.

Virtue and Sin are consensual-social. Each cultural group sets up its rules for virtuous behavior, sanctifies actions which contribute to the preservation of the hive. Society is based on the control and direction of socio-sexual behavior. The particular soc-sex virtues of the group—emotional, symbolic, and stylistic—are usually determined early in the group’s history by dominant leaders who impose their fourth imprint sexual eccentricities on the culture. St. Paul didn’t like women. Mohammed was polygamous-exploitive. Luther was paternal. Since most modern societies have been codified by menopausal, power-oriented men, the moral systems tend to be prudish, exploitive and chauvinistic. Social responsibilities thus determine virtue and sin—which are always sexual in origin.

The relationship among the 12 sex roles is the basis of civilization.

Various sub-cultures sanctify certain soc-sex roles and proscribe others, building elaborate ethical codes around the predilections of the mammalian politicians who seize power.

Disastrous personal and social conflicts (guilt, shame) occur because the subjective, private “good” does not usually coincide with soc-sex “virtue.”

11. A Neurosomatic Aesthetic: Beauty is Natural, Art is Artificial

There are eight levels of pleasure. The four larval circuits provide rewarding, reassuring signals that the survival lines to the island-realities are secure. The four post-larval pleasures come from direct awareness of natural energy signals—the biological equipment, freed from larval imprint, harmoniously mediating natural energies.

This book presents a neurological Zen-aesthetic—defining beauty as natural. Natural as beauty. Here again we distinguish between subjective-psychosomatic pleasure and imprinted-learned reward.

The first four circuits limit consciousness to the wiring of the imprinted and conditioned, and focus upon what is physically, emotionally, mentally and socially rewarding. The larval body is imprint-wired and trained to perform goal-directed game-oriented robot sequences in Newtonian space. The billions of signals per minute which flood into the nervous system from the body and its sense receptors are censored from awareness, tuned out from consciousness at a brain-stem reflex level. The survival tactic is obvious. The body is a trillion-cell, poly-organ bio-survival instrument. If the four-brained individual tunes into the myriad symphonic waves of polymorphous signalry flashed by the senses, SHe could not attend to larval survival responsibilities.

The brain, of course, “knows” every precise detail about the anatomy and physiology of the body and monitors millions of signals per second, but the larval-robot mind is “slave-wired” to reflex reaction, unable to decipher or consciously control its own equipment.

Each of the four larval circuits has its imprinted reward-pain cues which are limited and stereotyped: food preferences, emotional cues, L.M. symbolic reflexes, sexual-domestic comforts. When the “mind” discovers that the “body” is a polymorphous, psychosomatic Zen-pleasure-laboratory designed for zero-gravity floating, with trillions of cells merrily copulating every second, imprinted rewards seem pale, static, and second-hand. The activating of “natural body consciousness” is a dramatic step in evolution. The Hedonic Resurrection of the Body is the first step towards extra-terrestrial existence, a profound philosophic discovery, none the less “spiritual” because it occurs in the context of anti-social hedonic behavior, forbidden to the domesticated terrestrial.

We have called this emergence of the Fifth Circuit a “hurtling of the hedonic gap.” With the four neuro-umbilical lines retracted, the “mind” discovers that the “natural is the beautiful,” that the source of intensified pleasure is somatic function, that there is no social

* These 12 roles are also stages of development, described in Part II of this Manual. While each human evolves through these 12 stages in the course of individual development—each of us is genetically programmed to emphasize one of the 12 roles which, when interfaced, make up the 12-element human-social molecule.

reward or terrestrial gratification which can compare with body consciousness. We have called the Zen experience of the Fifth, somatic Circuit **rapture**. The body freed from terrestrial attachments, ready to navigate in the zero-gravity of interstellar existence.

The existence of the Fifth Circuit and the natural rapture experience has always been a taboo topic proscribed by larval social law because it is instinctively recognized that if the human being discovers a source of pleasure and revelation within Hir body, the commitment and dedication to terrestrial social rewards will diminish. This is the genetic predisposition to escape from the social imprints. Historically it is no accident that the aesthetic, rapturous experience was accepted by affluent aristocracies who are “above and beyond” social sanctions.

We have seen that each neural circuit as it emerges tends to regard the preceding stage as immature. The suckling infant is immature to the walking child. The post-pubescent flushed with the new experiences and secret discoveries of the “boy-girl-game” looks with amused tolerant scorn at the symbol-manipulations of the preadolescent.

It is also true that each of the imprinted “minds” looks with anxious disapproval upon newly emerging realities which tend to disrupt its stability.

We speak here of “neurogenetic politics.” Metamorphic chauvinism. The transition periods in the individual’s growth, as new circuits emerge, are stormy, unsettling, and vulnerable. It is well-known that adolescence is such a period of **sturm und drang**. The emergence of a new person, a new tunnel-reality-identity, is based on complex bio-chemical changes, intricate new live-wiring of millions of neural fibres, the development of and taking-over by higher neural centers, the ascendance of new imprints, and new bio-electrical patterns. The fragility of these neuro-umbilical transitions is not well understood. The passage from a First Circuit state, with its emphasis on passive security, to the second state of mobility and power exposes the nervous system to frightening vulnerability. The babe leaves the mother’s arms to face the play yard. The adolescent facing with a newly-activated sexual body the pressure to develop a social identity.

The delicacy of this process and the permanence of the new imprint “fix” is both awesome and awe-full. A new person is created as each circuit of the nervous system emerges.

The new extensions of the reality-island must be hooked up without disturbing the earlier “realities.” The new “person” must be integrated.

The human being is at present a confused, frightened, embryonic creature, mutating from Circuit 4 to Circuit 5, from terrestrial to extra-terrestrial existence. Humans would be well advised to treat each other gently at this stage in evolution because mutation is a time of uncertainty and fragility. Indeed, since the individual recapitulates evolution in Hir own life it would be helpful if, at each larval stage, the child were given accurate information about the neurological changes that are occurring. The facts of metamorphosis explained.

Unfortunately the different demands of the different imprints are externalized, as politics, dogma and ethics. Neurological differences “exstitutionalized” as social conflicts. The dread which the child and the larval adult feels in response to the pressure to change, the suspicion of different conceptions of reality, the inability to adapt to change, are caused by the most basic larval insecurity—a loosening of the neuro-umbilical imprint connections.

The transition from the Fourth to the Fifth Circuit is complicated because it has been viewed as anti-social. The perils of hedonism! The socially dangerous discovery of the rapture circuit: “My natural bodily sensations are more pleasurable and more interesting than territorial social-rewards. I want to stay loose and high. Mundane affairs are robot.”

During the 1960’s both Presidents Johnson and Nixon clearly recognized that the American work-aesthetic was threatened by hedonism. While young men lost interest in fighting on far-flung foreign shores, ominous comparisons were made in State of the Union speeches to the “fall of the Roman Empire.” The misguided implications were that Hedonism corrupted the Empire and, that if Decadence could be checked, the Empire would continue expanding.

The static moralism of Johnson-Nixon fails to perceive the evolutionary cyclical nature of history. Just as blossom follows bud so does virtuous republic (Stage 11) become centralized empire (Stage 12) and empire flower into somatic hedonism (Stage 13). It is to slow this trend that the socialists ban rock-and-roll.

In the past, hedonism invariably led to the collapse of empire. Imperial capture could not compete with private rapture. Hedonism has, therefore, never been recognized by larval historians as an evolutionary advance, but as a social threat. When the somatic nervous system can be attached to and detached from larval imprints at will the first step away from imprinted-robohood has been taken. The Fifth brain begins to transceive directly the first language of nature—the metacultural biochemistry of the body. When the individual begins to attain control of neurosomatic function, can dial and tune the pleasures of the body, She is taking the first step towards control of the nervous system.

In the book **The Principles and Practice of Hedonic Psychology**,* a crude attempt was made to encourage a science of neurosomatics, a systematic study of the psychology of pleasure. Hedonics is not an end-point, but must be seen as a transitional phase in the evolution towards extra-terrestrial existence.

The emergence of Hedonic Psychology in the 1960’s was greeted with official scorn and persecution. Larval politicians correctly saw the cultural perils of hedonism. The neurosomatic perspective frees the human from addiction to hive rewards (which are now seen as robot) and opens up vistas of natural satisfaction and meta-social aesthetic revelation. The revelation is this: “I can learn to control internal, somatic function, to select, dial, tune incoming stimuli, not on the basis of security, power, success, or social responsibility, but in terms of aesthetics and psychosomatic wisdom, To feel good. To escape from terrestrial pulls.”

* Abstracted in the January 1973 issue of *Psychology Today*.

Since the Neurological sixties we have seen an efflorescence of consumer sensuality and body interest. Massage, sensory awakening, yoga, martial art, diet, health-food-fads, erotic performance. The “new hedonics” is a manifestation of the first beginnings of Circuit 5 Zen Consciousness.

The triggering causative factor in this Fifth Circuit mutation was, of course, the discovery of neuro-somatic drugs. In the 1960’s people in technological societies discovered that neuro-somatic chemicals “turn-on” the body and provide escape from mundane reality-islands. The moment of this discovery is, for most, an ethical detonation. Bodily revelation has been routinely condemned as immoral by every larval social-ethical system; at the same time it has been eloquently praised by those aesthetes who have tuned into the somatic network. But the problem of neurosomatic rapture is that it is a post-larval reaction, and has mixed survival value for terrestrial existence.

The ability to receive, integrate, and transmit somatic sensations, to control the body as time-ship, is necessary in extraplanetary existence but can be a dangerous distraction for mundane life. The drug culture of the 1960’s produced millions of enraptured hedonists, Hippies, sensualists, nature-lovers floating free of social ties but with no place to go. Some Zen philosophers cynically make a virtue out of this navigational uncertainty. Werner Erhart, for example, glorifying the meaningless of life.

Activation of the Fifth Circuit marks the infancy of interstellar existence. Hippies and Zen adepts are grounded butterflies, neurologically ready but technologically unprepared for flight. Instead of being hailed as harmless heralds of a mutation to come, they were predictably derogated and forced underground.

Musicians, poets, artists, aesthetes have traditionally been the exponents of neurosomatic consciousness and of drugs which enhance sensory experience because the Fifth Circuit defines the aesthetic level of reality. The Einsteinian relativity of direct sensuality, of the natural. The Zen insight. “That’s the way it is: beautiful.”

Beauty lies in the neurosomatic “I” of the beholder.

Each circuit of the nervous system has its own imprinted criterion for “pleasant” or “rewarding.” At Circuit 1 Mother’s apron or the gun can be pleasant. Safety is beautiful. Circuit 2 welcomes stimuli promising dominance and mobility. At Circuit 3, L.M. symbolic rewards appear beautiful. A hundred dollar bill. At Circuit 4 there is the sperm-egg stimulus—”the girl’s underpants” memorialized by Kurt Vonnegut. These positive cues are sought for their imprint-conditioned reward and not for the aesthetic pleasure of the natural “seen” as it is.

Larval reward-pleasure has been institutionalized in the form of “show-business” and social “art.” The skillful artist unconsciously selects the stimuli which social conditioning has associated with safe-dangerous, powerful-weak, competent-stupid and sexually arousing. The criteria for what is considered artistically successful are stylized, socially conditioned, learned in terms of larval symbols. Fifth Circuit rapture, however, is the response of the sense organs to natural stimulation, divorced from terrestrial conditioned meaning.

In advanced civilizations of the past, the Fifth Circuit was attained by adepts and hedonists who created the disciplined tradition of sensual-delight. Somatic art is the Zen aesthetic of the naked-natural. Direct stimulus by-passing symbols. Neurosomatic art gets the body high.

The origin of much social art is somebody’s neurosomatic signal which has been socialized—imprinted and learned as “artistic.”

At the present time our scientific knowledge of bodily function combined with our technical affluence (especially birth control devices) has brought us to a point of Fifth Circuit breakthrough. Humans are devoting more time to body-consciousness, learning how to tune into somatic conversations, master somatic yogas which provide precise control of bodily function.

However, beauty and rapture are not evolutionary ends in themselves, but anticipatory preparations on the part of a neurogenetically evolving species for extraplanetary existence.

12. Neurogenetic Ontology: There are Eight Anatomical Levels of Reality

This book presents a neurogenetic ontology—a theory of eight levels of reality and their interaction.

All realities are neurological—patterns of impulses received, stored and transmitted by neural structures. Consciousness is defined as energy received by structure. Intelligence is defined as energy transmitted by structure. For the human being the structures are neural circuits and their anatomical connections. Please re-read the last three sentences.

For thousands of years ontologists have speculated futilely about the nature of reality. There can be no more room for debate. Surely the nervous system determines every aspect of human reality. What is “real” is what is registered by nerve endings, coded in neural memory banks, and transmitted by nerve fibres.

The ontological question is so easily resolved we wonder why there was ever any confusion. After all, the circulation of the blood was understood four centuries ago. The structure of the nervous system, the fibrous wiring of the sense organs, and the connections to the brain are so anatomically obvious that one is puzzled at the inability of earlier anatomists and physiologists to understand that the nervous system is the seat of consciousness and thus the solution of many ontological questions that have vexed and confused man’s thinking. We face here, perhaps, another contrived, deliberate stupidity, a protective myopia, a species taboo which shrouds attempts to explain consciousness and intelligence-expanding processes. The facts about the nervous sys. tem are too robot embarrassing, too challenging to larval theological and political systems. It is just too early on the evolutionary clock for the species to face the neuro. logical facts, for the robots to decipher their own circuitry.

Consider the sad fate of Julien affray de Lamettrie, whose futique genius caused him to be dismissed from his medical posts and exiled to Holland:

Lamettrie demonstrated by comparative methods the relationship between man and other living beings, and proceeded to a theory of the evolution of organisms. He stated that psychical life is observable already on the lowest level of evolution. Investigating the functions of the brain, Lamettrie tried to discern various stages of its formation which are of primary importance in the development of mental life. Also he protested against an evaluation of the moral character of men which depends on the acceptance of religious doctrines. Although Lamettrie was described as a crude materialist, he also influenced idealist philosophers.

This 'scapegoat of 18th century materialism' has been blamed and despised by many who had not read a single page of his books.

He is best known for **L'Homme Machine**.

Four-brained humans cannot accept a scientific neurogenetic ontology which places reality within the changing flux of the nervous system and not in the comforting solidity of the imprinted-conditioned reality-islands. "Man the machine" is an unbearable concept to those who are not ready to mutate beyond the lower, robot circuits.

One cannot evolve from one's robohood until one realizes how totally one has been robotized. A succinct presentation of this point will be found in Gurdjieff's comments on mechanization quoted by Ouspensky: **In Search of the Miraculous**.

Exo-psychology suggests that there are as many realities as there are neuroanatomical structures for transceiving signals. As the seven neuro-anatomical circuits unfold, so do seven broad classes of reality.*

1. **The First Reality, Bio-cellular**, is the imprinted-conditioned world of the infant perpetuated in the viscerotonic survival techniques of the adult.
2. **The Second Reality, Locomotor-muscular**, is the imprinted-conditioned world of the crawling, brawling, walking child perpetuated in the emotional-political techniques of the adult.
3. **The Third Reality, mediated by the left cortex**, is the imprinted-conditioned world of the child learning to manipulate L.M. symbols and perpetuated in the linguistic-technology of the adult.
4. **The Fourth Reality** is the imprinted-conditioned world of social-sexual, domestic responsibility.
5. **The Fifth Reality, Body Consciousness** is the reception by the body of direct, natural signals uncensored by survival imprints and selectively aware of the demands of gravity.
6. **The Sixth Reality** is the imprint of the nervous system of and by and unto itself. Einsteinian consciousness no longer frozen to larval circuits or to the body. Brain reality is a relativistic, changing Niagara of millions of bio-electric signals flashing around a thirty-billion cell network. The statement "consciousness is no longer frozen" is not metaphorical; it refers to biochemical-electrical changes at the synaptic level which liberate the flow of signals from routine patterns. The term "static, imprinted-conditioned world" refers to neural-wired programs hooked to reality-islands.
7. **The Seventh Reality** is the reception by the nervous system of RNA signals from DNA molecules within the cell. Genetic messages leading to symbiotic inter-species telepathy. Since reality is energy registered by neural structure, we can "see" only what we are ready instrumentally and conceptually to receive. At the Seventh Circuit DNA-RNA signals are monitored.

13. An Interstellar Neurogenetic Teleology

Exo-psychology defines an Interstellar Neurogenetic outlining the DNA pre-programmed course of individual and species evolution.

A complete philosophic system generally includes:

1. A cosmological explanation about where we came from and how it got started
2. A political theory explaining the factors involved in the destructive and harmonious expressions of territorial autonomy, control, freedom, restraint, mobility
3. An epistemological theory defining truth-falsity and right-wrong
4. An ethic defining good-bad, virtue-sin
5. An aesthetic defining beautiful-ugly, artistic-unartistic
6. An ontology defining the spectrum of realities
7. A genetic teleology explaining where biological evolution is going and how it will all turn out, and
8. An ultimate meta physiological neuro-atomic eschatology explaining what happens when consciousness leaves the body.

The aim of Life is:

S. M. P. L. E.
SPACE MIGRATION INTELLIGENCE INCREASE LIFE EXTENSION

* **The Eighth Reality** is meta-physiological, meta-biological and involves contelligence projected out from the Quantum Projection Booth. See the publications of the Physics-Consciousness Research Group by Sarfatti, Sirag, Herbert et al.

We are designed to Use our Heads (I²) in order to Use Time (L.E.) in order to Use Space (S.M.).

Of these three associated imperatives Intelligence Increase is the most important. When the human has learned how to use the brain as instrument to:

4. **selectively re-imprint the four terrestrial circuits**
5. **control the body**
6. **master the creation of multiple realities by means of serial re-imprinting**
7. **imprint (i.e. experientially identify with the DNA code)**
8. **decipher nuclear-quantum intelligence**

then Life Extension and Space Migration will be attained.

14. A Metaphysiological, Neuro-atomic Eschatology: Biology Evolves to Quantum-Gravitational Contelligence

The ultimate question is: what is the end point of biological evolution?

The exo-psychological answer: contelligence mutates by fusing with, being absorbed by metaphysiological structures found in nuclear-quantum-gravitational force fields.

Neurologically it could be said that the emergence of each new neural circuit involves a “death-rebirth.” The Neonate infant molts and becomes the mobile child. Although the “reality” of the infant is surely different from that of the “same” individual at age 18, the first brain remains linked to, part of the evolving neural network. Thus, in the evolution of the individual, the emergence of new neural circuits defines a series of incorporative re-incarnations. Metamorphoses.*

Genetics defines another, more enduring form of perpetuation. The **DNA** code is designed to keep itself alive, to remain immortal. If, as exo-psychology suggests, we can imprint **DNA**, learn how to consciously decipher **RNA** signals, we can experience the **DNA** time blueprint which contains the program of neural evolution back three billion years and forward for several billion years. The **DNA** registers and remembers signals received by the body and the nervous system which it currently “drives.” Each of us thus lives on via absorption in **DNA**.

But neurological and genetic re-incarnation processes are still biological. Contelligence at the level of nerve cells and protein molecules obviously cannot compare with the scope, speed and power of elemental sub-nuclear processes.

The egocentricity and geo-centricity of larval philosophy has over-estimated human intelligence in relationship to other energy forms—in particular the **DNA** code and the atomic nucleus. Larval science would have us believe that the universe is made up of chemical elements and atomic particles which operate in blind passivity to physical laws; that at a certain point in the history of planet earth certain molecules were accidentally induced by means of lightning bolts to form the protein-nucleotides which, through chance, began to replicate; and that through a process of random selection and mutation the biological forms evolved. The summit of this blind evolutionary process, we are told, is homo-sapiens. “Man” is believed to be the only self-conscious, intelligent form on the planet and probably in the universe!

Exo-psychology suggests that this flattering self-appraisal is false—an error which leads to both the arrogance and the frightened pessimism which characterize human philosophy.

From the exo-psychological point of view all biological forms are transient robots created by **DNA** to house and transport the genetic “brain,” **DNA**. Just as the Third-Circuit L.M. muscular mind designs and constructs machines to serve human purpose, so has **DNA** built fragile, replicable organisms, including humans. It is apparently difficult for the human mind to conceive of the degree to which **DNA** intelligence is superior to the human intellect. The complexities and time spans dealt with by **DNA** are as superior to human intelligence as the human is to a wind-up doll.

The great primitive exo-psychologist William Blake posed the question:

“Tyger, tyger, burning bright,
In the forests of the night,
What immortal hand or eye
Dare frame thy fearful symmetry?”

The answer is **DNA**.

And what enduring intelligence burning bright in the forests of the night-time sky designed **DNA**?

The genetic code is surely not an accidental adhesion of molecules. It is an instrumental message, an energy directive created by a meta-biological intelligence.

* Exo-psychology predicts that, in the development of the individual child the activation of each unfolding circuit is preceded by a pre-molt crisis. Psychologists and educated parents in the future will learn how to anticipate, recognize the emergence of pre-molt crises and to guide the child through the unsettling phases.

This intelligence is astrophysical and galactic in scope, pervasive, ubiquitous, but miniaturized in quanta structure. Just as the multi-billion year blue-print of biological evolution is packaged within the nucleus of every cell, so may the quantum-mechanical blueprint of astronomical evolution be found in the nucleus of the atom.

We have defined consciousness as energy received by structure. And we have defined intelligence as energy transmitted by structure. The contelligence of life forms is shaped and limited by anatomy and organic form. Sub-atomic-gravitational force fields are obviously capable of faster, more complex and more extensive levels of consciousness and intelligence.

Exo-psychology hypothesizes that the evolution of astro-physical structures involves a contelligence as superior to DNA as DNA is to neuron-brains.

The direction of organic evolution now can be stated. Starting with unicell organisms, life produces a series of neural circuits and increasingly more complex-and-efficient bodies to transport and facilitate higher contelligence. The culmination of this biological process is the seven-circuit brain which is able to communicate with DNA, i.e. receive, integrate and transmit information at the level of RNA.

Among the byproducts of the seven-circuit brain contelligence are telepathy and inter-species symbiosis (including symbiosis with the more advanced species which probably exist on half of the millions of inhabited planets in our local galaxy).*

The eighth phase of evolution is transformation of contelligence to metaphysiological, neuro-atomic structures. This quantum-mechanical process does not necessarily involve the destruction of organic memories or biological contelligence but probably an incorporation of the neurogenetic into the nuclear-gravitational-quantum.

Metaphysiological contelligence transceives at the speed and frequency of nuclear particles and can create matter, i.e. arrange atoms in architected patterns. Such a level of contelligence could construct pre-programmed DNA codes as simply as humans now build computer-directed manufacturing processes.

It is, of course, almost impossible for the primitive L.M. symbolic mind to conceive of the capacities of quantum intelligence. Does not logic, however, force us to accept the probability of this Higher Form of contelligence? The only other cosmological-eschatological alternatives currently offered are:

- accidental, haphazard clustering of proteins and carbohydrates triggered by lightning bolts in the Pre-Cambrian slime leaving “man” the highest dismal form of a ruthless survival battle, or
- anthropomorphized police-court Jehovahs of monotheism

The very fact that some primitive human beings can conceive of superior meta-physiological contelligence specifically based upon current scientific evidence encourages us to assume that Higher Contelligence can at least equal our extrapolations and empirically-based speculations. To put it bluntly, if we can figure out the possible nature of a higher quantum-mechanical Contelligence, certainly “they” who await in the genetic future can do as well or better.†

To summarize this summary of the 8th Eschatological Circuit: organic life evolves to become part of a metaphysiological contelligence which is nuclear-gravitational in structure, and which creates unified force-fields, galactic in scope, quantum in nature.

15. Neural Chauvinism: Every Body Has a Favorite Reality

Larval realities are defined by islands of local environment attached to the nervous system at the time of imprinting.

From the scientific viewpoint reality is an ocean of electromagnetic vibrations whirling constantly through different cycles of speed and swirling momentarily into temporary structures including bodies with nervous systems.

The human nervous system is genetically designed to receive a small band of waves along the cyclic frequency spectrum.

Human consciousness, i.e. personal reality, is determined by the point along the frequency spectrum where the neural dials are tuned.

In a previous section it was suggested that the nervous system has evolved through twelve larval-terrestrial stages and will in the future metamorphize through twelve post-terrestrial stages. As new species emerged, new and more complex stages of the nervous system evolved. Uni-cellular species remain at the primitive level of approach-avoidance. Most mammalian forms remain at the level of individual muscular dominance. Others, the herd-flock species, reach a level of pre-symbolic social communication. Primitive humanoids remain at a level of symbol-manipulation and artifact construction but do not attain domestication and the division of sexual responsibility manifested by homo sapiens and some insects.

In companion books **The Periodic Table of Evolution** and **The Game of Life**, it is hypothesized that systematic seasonal variations in solar radiation create alterations in DNA templating at the time of conception which determine human neurogenetic “types.” And that the twelve Zodiac “signs” may crudely personalize twelve species very different in neurological wiring which

* *Telepathy (i.e. neuro-electric communication) is a post-terrestrial phenomenon. Telepathic communication cannot occur while we are crawling around on the bottom of a 4000 mile atmosphere ocean any more than vocal-symbolic communication can occur among marine animals. We have to crawl out of the water to activate the Third-circuit (left brain). When we leave the surface of the planet and live in free space, telepathy (Sixth circuit contelligence) will occur.*

† *Who are they? They are we-in-the-future.*

reflect and recapitulate twelve stages of phylogenetic and human evolution. Each Zodiac “species” thus represents the mastery of one of the twelve neurological stages which are involved in the evolution of life on our planet—preparatory for extra-terrestrial migration.*

Just as the members of insect colonies are genetically pre-programmed to play certain roles necessary for hive survival—worker, drone, warrior, fertile male, brood queen—so are there twelve larval types of human.

These genetic types have been vulgarly popularized as the twelve Zodiac sign the first twelve Tarot personages, the twelve Greco-Roman divinities. Each of the twelve types can be considered as genetically separate; each contributes to the human larval evolutionary process and each carries a printed-out nervous system geared to a specialized survival task.

In addition to genetic specializations, the environmental models imprinted at the four periods of individual development define island realities which vary from person-to-person and from group-to-group. The language and dialects to which the child is exposed during the emergence of the Third Circuit lay down muscular patterns in the larynx and hand which are fixed and which limit the cognitive-symbolic reality.

This unique specificity of reality means, among other things, that we find twelve larval species and numerous cultural-imprint groups of human beings wandering around the planet, for the most part existing in different realities. To add to the confusion, since the 1960’s we have several million half-mutated Hippies floating aimlessly.

People unconsciously recognize this selectivity of island realities. Social avoidance and clustering tend to respond to these reality chauvinisms. Anyone who is different is crazy or alien. Xenophobia is based on primate neurology. The hive cannot tolerate other realities.

Ontological chauvinisms are deeply rooted in fixed genetic and neural structures. In spite of the ignorance about their neural machinery, human robots manage to communicate with each other about material needs with amazing efficiency.

16. Imprinting is a Single-flash Exposure of the Neural Film which Defines and Limits the Neuro-umbilical Reality

The discovery of neural imprinting could be one of the four most important intellectual achievements of the human race. The other three are: the Einsteinian-quantum-mechanical equations involving space-time-energy; the astronomical location of earth in the highly populated galaxy; and the decoding of the genetic-evolutionary process which makes possible bio-chemical longevity, genetic control and symbiotic communication.

Understanding of the sequential imprinting of the nervous system adds the fourth card to the Psi-Phy deck.

Imprinting is the process by which neural circuits mediating specific neuro-umbilical survival behaviors (along paths of discharge laid out in advance) select the stimulus in the environment, internal or external, which determines the timing and direction and object of the discharge.

The imprint is a neuro-umbilical life-line extended from the nervous system to that energy cluster on the planetary surface that offers material, survival stimuli. Once attached, the larval nervous system is hooked for life—unless retracted by accidental trauma; or retracted deliberately—in which case post-larval contelligence is attained.

The facts about imprinting originally came from the science of ethology, “the comparative study of animal behavior under natural conditions or of laboratory study which utilizes methods and problems suggested by field observations,” (Willia Etkin).

Konrad Lorentz and Nico Tinbergen were recently (1973) awarded the Nobel Prize for their pioneering work in this field.

The most fascinating aspect of the imprinting process is this; the original selection of the external stimulus which triggers off the pre-designed response does not derived from a normal learning process but a short exposure during a brief, specific “critical period” of the animal’s life.

The infant body is like a space ship floating on the strange new planet. The imprint is a life-line extended in blind robot fashion groping for hospitable surface to which it attaches and roots—thus creating the reality island.

“If imprinting is not accomplished during the first few days of existence, it will not “take” at any other time. Such an animal will fail to respond appropriately to a other animal, and no amount of association with members of its species will bring out the response.” (Etkin.)

It has been found that “if young birds are handled by the experimenter during their first few hours of life, they will thereafter react to him and to other human beings as they normally would to their parents.” The groping neuro-umbilical attaches to first warm, moving body it contacts.

“Most remarkable, indeed, is the fact that when the animal which has been imprinted to a human being becomes mature many months later, it will show courting responses to humans even in preference to its own species. Hand-trained birds commonly display courting behaviors to the trainer’s hands.”

The implications of imprinting theory applied to human behavior are embarrassing to our rational conceptions of self, ego, conscious choice; indeed, they suggest an ontological helplessness which takes on the dimensions of a Sci-Fi robot tale. The neurological situation is as follows: The human body is made up of many receiving organs and discharge systems which are controlled by the nervous system, a communication network of some thirty billion cells. Each organ of the body is wired by a complex pattern of nerve fibres. Each neuron receives, evaluates and transmits information to as many as 60,000 other neurons. The particular wiring pattern which triggers off each organ and action system of the body is programmed by imprinted stimuli. The specific stimulus which

* The tradition of using twelve peers in a trial by jury may be an unconscious recognition of the twelve species of humans which populate larval society.

activates each neuro-umbilical survival system is determined by accidental coincidence—the external factors present during the “sensitive period.” Human Beings are robots programmed and directed by neural imprints which I trigger off standardized discharge patterns in response to accidentally imprinted cues.

The newborn baby is equipped with the behavior patterns necessary for immediate survival: to turn towards the mothering stimulus and suckle. Shortly after birth the baby’s nervous system takes a picture, i.e. focuses all the sensory equipment on the soft, warm, milk-producing stimulus and permanently photographs this picture as “survivally good” and safe. If this viscerotonic imprint is not taken because of absence during the critical period of the appropriate stimulus, the basic “survival security” system is not effectively wired-up to human contacts.*

A most crucial aspect of neural imprinting is that the four larval neural circuits unfold chronologically. Each of the four neuro-umbilical life-lines is extended in turn when each neural circuit emerges.

For example, before adolescence the sexual circuit is rudimentary. During adolescence dramatic physiological and anatomical changes occur in the primary and secondary sexual organs. These changes are so pronounced that we might with wisdom speak of a metamorphosis analogous to the transformation of the insect from larva to butterfly. At this time the neural circuit which mediates sexual activity unfolds. There is a critical or “sensitive” period of sexual imprinting. The sexual antennae emerge and blindly scan for a place to root.

The first time the sexual system is fired in all-out response, a sexual imprint is taken. The state of activity of the entire neural system at the time of imprint determines the way the sexual system is wired—i.e. the cues which arouse it. The sensory, emotional, mental and social stimuli form a pattern (sexual climate) which facilitates subsequent arousal and discharge.

The accidental vicissitudes of Fourth Circuit sexual imprinting have been well known to psychiatrists. Early erections and orgasms can create kinky fetishes.

The mechanics and neurologic of the mental-symbolic Third Circuit imprint are less familiar. The acquisition of speech and manipulative behavior involves a special imprinting of third brain wiring of laryngeal and manual muscles. Thinking is accomplished by moving the nine muscles of the larynx. During the period when the child is mastering speech, the mental style of the contiguous human models is being absorbed. These models are parents, and, more important, older children. The tender tendrils of symbolic mental activity are extended. This is a most vulnerable period. The mental styles and emotional models of the people in the environment determine whether the child’s mind is open, trusting, or withdrawn, rejecting.

The child imprints (wires up) a specific method of thinking. Once this intellectual pattern is imprinted, subsequent education has little effect on the modes of mental manipulation. The eight cognitive modes used by the laryngeal-muscle-mind are described in Chapter 3 of **The Eight Calibre Brain**. The imprint attaches to the model present at the critical period of extension.

1. **Circuit 1 biosurvival language is global.** The movements and sounds which say “I am safe,” “you are safe,” are recognized by almost all animals regardless of culture. Behaviors which express pain or physical threat are also generally recognized. We speak here of eating, vomiting, sucking, disgust, embracing, moaning, physical aggressing or menacing.
2. **Circuit 2 emotional language:** Gestures, postures and verbal tones which communicate a status message are almost universally recognized. The gestural signals of affiliation, dominance, submission, begging, giving, coercion and passive complaint require no cross-cultural dictionary. However each culture has a specific vocabulary of status—accents, gestures, ornaments, conspicuous possessions, postures.

At one point a Cadillac car indicates highest status; shortly later a Cadillac indicates a pimp or cocaine dealer from the slums. And so it goes.

3. **Circuit 3 L.M. language:** Symbols and artifacts are limited in comprehensibility to cultural groups which share the similar imprint, i.e. were exposed at the critical period to the same styles of laryngeal dexterity and manual symbolization. Class, caste, and craft-guild issues are important. Included in these Third Circuit cultures are:

artifact groups
verbal dialect groups
literacy groups
scientific groups
occupational groups
sports and game groups

A central concept in exo-psychology is this notion of personal neural-reality, which differs from person to person. Each of us deals with a world which is defined by a unique pattern of neural wires and fixed umbilical life-lines. Just as we can try to understand the emerging stages of human development by analogy to the metamorphosis of insects (since we are too close to the situation to appreciate metamorphosis in ourselves), so we can understand the electro-neural uniqueness of “reality” by considering the consciousness islands of other species.

Consider the snake. Observing with our optical scanners we “see” a mouse run across the floor and a snake turn its head and strike. We assume that the snake “sees” what we see: a furry, brown animal. A study of the snake’s neural receptors indicates, however, that the snake uses heat receptors to locate prey. What the snake senses is a neon spot of “warm” moving across its screen. It is robot programmed to strike at “heat.”

* Failure on the part of the neonate to imprint a human target for the First Circuit creates childhood schizophrenia, the autistic child. This process and its remedy are discussed in sections 1.3, 1.4, and 1.5 of the book **The Eight Calibre Brain**.

Human beings often interact across similar “reality” gulfs. They are robot programmed as differently among the selves as the human and the snake.

Humans vary in the number of L.M. languages they can exchange. Some, the most primitive, communicate only in the oral dialect of their childhood neighborhood and can manipulate only the simple muscle-moved artifacts of village life.

The highly civilized larval has mastered hundreds of L.M. symbol systems. An educated Russian or American can speak and write each other in several languages, cooperatively manipulate a wide variety of mechanical artifacts, professional sequences, scientific codes, sports and game rituals.

In communicating with a larval, once it has been established by non-verbal cues that Circuit 1 is safe and Circuit 2 is cooperative, the next step is to establish which L.M. muscle-thought languages are shared and can be appropriately exchanged. Most larval interactions are brief and limited. Artifact transactions. Buying. Selling. Service performances. Superficial socializing designed to elicit cultural reassurance. Extended L.M. symbol conversations are loaded with complexity because emotional factors inevitably intrude. The giving of information to others is often resented because the possession of information implies power.

The Third Circuit of the nervous system is activated when the young child is in a position of weakness. Those who teach the L.M. symbol systems are adults or superiors. The ability to learn symbols is determined by the emotional context—the person with the information is placed in a superior position over the receiver.

The nervous system is interconnected by means of synaptic links. The synapse is the gap between two neurons across which the nerve impulse flows. The synaptic connection is chemical. Just as chemicals “fix” the photographic image on film, so is the neural image of the island-reality “fixed” by synaptic chemical bonds at the time of imprinting.

The robot truth is this: **the patterns of neural connection create the picture of reality.**

The human nervous system imprints social cues. A child growing up finds a certain stability and consistency in the social cues SHE imprints. Her parents speak the same language, share rituals with the family next door. This consensual agreement provides the illusion of a “reality” shared with those in her culture group. “Sanity” is defined in terms of one’s ability to convince oneself that SHE perceives what others do. Festinger and other social psychologists have conducted “cognitive dissonance” experiments which show how easily and naturally human beings distort objective data to fit neural expectations.

Social consciousness is a web of neuro-umbilical fabrication woven by conditioning and continual adaptive distortion.

We believe what we are imprinted to believe. We think that the tiny turf to which our neuro-umbilical life-lines attach is “reality.”

The fact of separate, subjective realities based on individual imprints (reality islands) is frightening for the pre-neurological human to accept. We recall the parable of the eight blind men and the elephant. This separateness accounts for the terror that is felt in the presence of an “insane” person. In many cases the person called “insane” or “hallucinating” is actually aware of the neural insulation which separates people and might be considered more sane and accurate than the deluded “normals.” Ontological terror is the naive reaction to the discovery that there are other realities beyond one’s own imprint and learned neural patterns.

We have used the metaphor of neuro-umbilical life-lines to describe the attachment of the nervous system to local environments via imprint. Security means that the imprinted life-lines are securely fastened to a stable island-reality.

Another metaphor often used by neurologicians to describe the creation and limitation of subjective reality by imprint is the “bubble.” Castaneda’s don Juan gives a good description of the reality-of-the-imprint which he calls **tonal**.

“Sorcerers say that we are inside a bubble. It is a bubble into which we are placed at the moment of our birth. At first the bubble is open, but then it begins to close until it has sealed us in. That bubble is our perception.* We live inside that bubble all of our lives. And what we witness on its round walls is our own reflection...The thing reflected is our own view of the world. That view is first a description, which is given to us at the moment of our birth [more accurately, the moment of imprint] until all our attention is caught by it and the description becomes a view,” [that is to say, a reality].

from **Tales of Power**, pp. 246-247

17. Imprints Can Only be Changed by Bio-chemical Shock

Let us, for a moment, visualize the nervous system by itself (apart from the body) as a bio-computer with 30 billion reception-evaluation-output centers (neurons) wired-up together and mediated by hierarchical centers. The various sense organs receive billions of signals a minute. The output fibres fire billions of signals per minute. Imprints lay down the basic connections which pattern and guide neural activity.

There is, for example, the First Circuit emergency system which, when the “danger” cues are received and evaluated, commands millions of survival actions. Early “danger” imprints and genetic programs cue this powerful, basic system which effects, when mobilized, every organ in the body. Fear! Once the First Circuit has imprinted a fear stimulus, the only way this chemico-electric synaptic pattern can be changed is to suspend or replace the wiring. The intransigence of human “phobias” and “security-blankets” is caused by imprints.

The only way to rewire neural patterns is to interfere with the neurotransmitter sequence at the synapse, thus retracting the old imprint and allowing for a new imprinting. Shock, illness, trauma, drugs, child delivery, stimulus deprivation and electrical charge are

* Don Juan consistently uses the word “perception” to describe consciousness. The formation or the “imprint-bubble” can be clearly “seen,” experienced during L.S.D. sessions.

the only ways to change the chemistry of the synapse. When action inside the body becomes overwhelmingly intense so as to alter synapse chemistry, the imprint life-lines to the external environment are retracted. The chance to re-imprint is offered.

When the concept of neural imprinting is understood, techniques for psychological treatment will be changed. The doctor will teach the patient the principles of re-imprinting and the patient will select the new reality SHE wishes to create. Democracy and collaboration are necessary in neurologic treatment. The doctor cannot prescribe or control the treatment, because the result is a new reality for the patient.

Medical practice will also be altered. Infection or malfunction of an organ of the body can produce chemical changes which require recircuiting the neural wiring. When the somatic infection is cured the emergency “sick” wiring may remain in operation preventing the restoration of normal function. Conversely, infection or malfunction may require curative changes which are blocked by the normal “wiring.” This view of the nervous system as a programmed bio-electrical network may help explain the “mysteries” of acupuncture. The needles have little effect on the fleshly system, but, particularly when energized with mild electric charges, may affect the synaptic programs which regulate the function of the organ. In the near future we may see Neurologic replace psychology and Neurosomatic-medicine replace the vague concept of psychosomatic medicine.

18. Conditioning Associates a Stimulus with an Imprinted Response

The notion of imprinting has created some confusion in psychology because it suggests a form of “learning” which is immediate and irreversible, quite in contrast to conditioned learning which is the foundation of most psychological theories. According to the classic definition: “Learning is a relatively permanent change in behavior that occurs as the result of practice.” Learning is based on associating one stimulus or response with another on the basis of reward or punishment. Psychological theories of learning are based upon observations of external visible behavior and pay little attention to the internal, invisible neurological situation.

The classic studies of conditioning were executed by Ivan Pavlov, the Russian physiologist.

‘While studying the relatively automatic reflexes associated with digestion, Pavlov noticed that the flow of saliva to food placed in the mouth of the dog was influenced not only by the food placed in the dog’s mouth but also by the sight of food. He interpreted the flow of saliva to food placed in the mouth as an unlearned response, as he called it, an unconditioned response. But surely, he thought, the influence of the sight of food has to be learned. Hence this is a learned or conditioned response.’ Hilgard and Atkinson, Introduction to Psychology, Harcourt Brace.

Later research demonstrated that animals could be conditioned to salivate in response to a flashing light, sounds, visual forms, etc. ‘The conditioned response may be considered a simple habit because 1) an association is demonstrated to exist between a stimulus and a response, and 2) this association is a learned one.’

To understand the learning process it is necessary to understand the primary role of the imprint and the secondary role of the conditioned-association. The imprint hooks the natural unconditioned response to an external stimulus—the releaser mechanism. The conditioned stimulus is associated with the imprinted stimulus. Imprinting is the basic connection between the external stimulus and the nerve endings; and between the nerve endings and the response.

Conditioning then connects (wires up neurally) other stimuli which are associated with the imprinted stimuli. The learned stimuli can then trigger off the response connected neurally to the original imprinted stimulus.

If the infant’s First Circuit is positively imprinted to Mother, other stimuli associated with Mother become learned cues which can trigger off the “positive-approach” response. The infant’s First Circuit is negatively imprinted to stimuli—tastes, smells, forms—which are noxious or dangerous. Stimuli associated with “danger” trigger off the withdrawal reaction (fear).

Conditioning psychologists have studied the relationships between unconditioned stimulus-response units and learned reactions in terms of the similarity of stimuli (generalization), the reinforcement or reward of the conditioned stimulus-response by the unconditioned, the waning or extinction of the learned association in the absence of the unconditioned reward, discrimination of differences between stimuli, etc.

Classical (Pavlovian) conditioning focuses on the presentation of conditioned stimuli in association with the original unconditioned stimulus to the response (e.g., salivation).

19. Operant Conditioning Links Performed Behavior with Reward-Punishment

Operant conditioning studies behavior which bears little resemblance to the genetically pre-programmed behavior that is normally elicited by the reinforcing stimulus (i.e. salivation is the dog’s normal response to food but rolling over is not). B. F. Skinner, the founder of the school of operant conditioning, distinguishes between respondent and operant behavior.

‘Respondent behavior is directly under the control of the stimulus, as in the unconditioned reflexes of classical conditioning: the flow of saliva in the mouth, the constriction of the pupil to a flash of light on the eye, the knee jerk to a tap on the patellar tendon. The relation of operant behavior to stimulation is somewhat different. The behavior often appears to be emitted; that

is, it appears to be spontaneous rather than a response to stimulation... When operant behavior becomes related to a stimulus (as when I answer the ringing telephone), the ringing telephone is a discriminated stimulus, telling me that the telephone is answerable, but it does not force me to answer. Even though the ringing telephone is compelling, the response to it is operant and not respondent behavior.

‘The word **operant** derives from the fact that operant behavior “operates” on the environment to produce some effect. Thus going to where the telephone is and raising the receiver from the hook are operant acts that lead to the telephone conversation.

‘To produce operant conditioning in the laboratory, a hungry rat is placed in a box... The inside of the box is plain, except for the protruding bar with the food dish beneath it.

‘...the experimenter attaches the food magazine, so that every time the rat presses the bar a pellet of food falls into the dish. The rat eats and soon presses the bar again. The food **reinforces** bar-pressing...

‘With this illustration before us, we are ready to consider the meaning of conditioned operant behavior. As indicated above, it “operates” on the environment; the rat’s bar-pressing produces or gains access to the food. In classical conditioning the animal is passive; it merely waits until the conditioned stimulus is presented and is followed by the unconditioned stimulus. In operant conditioning the animal has to be active; its behavior cannot be reinforced unless it does something.

‘A large part of human behavior may be classified as operant—turning a key in a lock, driving a car, writing a letter, carrying on a conversation. Such activities are not elicited by an unconditioned stimulus of the Pavlovian type. But once the behavior occurs it can be reinforced according to the principles of operant conditioning.’

‘... [operant] behavior is sometimes called instrumental behavior because it produces effects just as a tool or other instrument does. Hence operant conditioning is also known as instrumental conditioning.’ — Hilgard and Atkinson, *ibid.*

We have considered these definitions and principles because operant conditioning and behavior modification are becoming popular and politically potent aspects of the current behavior-control movement. An increasing number of psychologists are employing conditioning techniques to “shape” the behavior of people who are judged to be disturbed or anti-social; these in addition to the legions of psychologists who attempt to manipulate the behaviors of others in advertising, education and mass media propaganda.

Neurologic may help people to understand what conditioning psychologists are trying to do and why they are doomed to failure.

Conditioning psychologists are behaviorists. They are concerned with observable, measurable movements in space-time. Behaviorism developed in the 1920’s as a reaction to “introspective,” “faculty” psychology which explained human nature in terms of invisible emotional and mental states attributed to the conscious “mind.” Behaviorism, unhappily, chose to model itself after Newtonian mechanistic visible physics just at the point when Einsteinian concepts and invisible states were emerging. In the last half century we have seen an increasing “interiorization” of physics and genetics. The significant (and significantly overlooked) fact about the new micro-sciences is that functions, meanings, lawful regularities have been located in internal structures invisible to the naked eye which are, in many cases, similar to the spiritual faculties assigned by psychoanalysts, theologians and philosophers to metaphysical entities within the human “soul” or “psyche.” Ancient Hindu theories about the unity of consciousness, for example, now find empirical confirmation in descriptions of the nervous system as an interconnected network of thirty billion cells. Ancient Vedic concepts of the unity of life are confirmed by the discovery that there is only a slight difference in the amino acid configuration which makes up the genetic material of all living entities, plants and primates. The theories of physicists like Jack Sarfatti and John Archibald Wheeler bring consciousness back to the center of the nuclear and quantum-mechanical stage.

When we review the work of conditioning psychologists from the perspective of a seven-circuit (plus one) nervous system, we can see precisely where and why behaviorism is limited. Operant conditioning is concerned with the behavior mediated by the social brain. Learned instrumental actions. Skinnerism is the crowning philosophy of the Third Circuit society, the mechanical civilization which began in the neolithic and which climaxed in Henry Ford’s assembly lines. Skinnerism is the final philosophic statement of the puritanical protestant-ethic manipulators who dominated the world for 400 years up to Hiroshima. In this context let us reconsider the ominous surgical implications of the standard definition: “The word operant derives from the fact that operant behavior ‘operates’ on the environment to produce some effect... To produce operant conditioning... a hungry rat is placed in a box... A large part of human behavior may be classified as operant—turning a key in a lock, driving a car...” This is the third brain at work.

During World War II Professor Skinner was in charge of a War Department Project to train pigeons to peck at panels which would home unmanned bombers into “enemy” targets.

There is another aspect of the operant conditioning model which merits comment.

20. Conditioning Cannot Change an Imprint

Skinnerians attempt to “shape” Third Circuit symbolic, manipulative behavior. This can be a futile or dangerously coercive business. Operant conditioning “works” by means of immediate and continual reinforcement. Imprinting requires no reinforcement. As the Psi-Phy Jesuit might say: let me imprint the infant and you can futilely try to condition the child; let me imprint the child and you can futilely try to condition the adolescent; let me imprint the adolescent and you can futilely try to condition the adult.

The imprint requires no repeated reward or punishment. The neural fix is permanent. Only bio-chemical shock can loosen the neuro-umbilical lines. The conditioned association, on the contrary, wanes and disappears with lack of repetition.

And neural imprints are themselves derivative structures compared with genetic templates which determine the form of the neural robot.

Neural imprints are accidental, local targets for the bio-electric forcefields laid down by DNA, which organize RNA to construct the body and the nervous system.

Humanity has evolved to the point where the knowledge of how to control the nervous system is available. Neurologic has developed rudimentary methods for suspending imprints and creating new neural imprints. Although this knowledge is uneasily suppressed, the basic concept that “reality” is created by the individual nervous system is understood by millions of persons born after 1945.

But genetic engineering is much more important than neural engineering. The research of Paul, Stein and Kleinsmith on non-histone proteins which turn-on DNA offer the key to genetic control. And the work of Bruce Niklas at Duke reminds us of the intransigence of chromosomal patterns which determine body structure.*

There are two groups of technocrats clamoring to change the behavior of their fellow citizens. Right-wing punitive coercers. And liberal rewarders. The attempts of both groups of bureaucrats are futile because they attempt to re-condition—rather than re-imprint.

Punitive coercion works only as long as the threat remains and thus requires a police state.

The liberal social psychologists believe that they can change behavior by democratic, supportive, egalitarian education methods. Head-start programs. Peace Corps.

Behavior-modification. Bussing. Tutoring. Scholarship payments. Insight therapies. Mental health methods.

These liberal approaches fail to effect change and serve only to support the “humanist” welfare bureaucracy.

The experimental psychologists, for whom B. F. Skinner is spokesman, are more intelligent. They believe that they can impose behavior change by means of involuntary operant conditioning. This, however, requires total and continual control of reinforcements—rewards and punishments. The problem is that psychological methods work only when the conditioners are continually present to reinforce. The liberals have to be there constantly doling out welfare payments, scholarships, grants, interpersonal strokes.

The Skinnerian manipulators must be there constantly controlling environmental response.

As soon as the “subjects” are left alone to their own devices they immediately drift back to the magnetism of the imprint (and the structure of the genetic template).

This creates no problem with domesticated middle-class people who have imprinted the docility and fear which provide internal controls for the Second Circuit, the repetitious symbol manipulation of the Third Circuit and the “shame” of the Fourth Circuit. Society’s schools carefully imprint children to be stupid so that it is a simple, rote matter to inhibit questioning intelligence. Symbol-stupidity is so pervasive in every larval society that there is almost no chance for a child to be exposed to an open, fast, mobile, factually truthful, electrically circuited mind. The inefficiency of psychological conditioning and the immovable solidity of imprints is seen most clearly in the Fourth Circuit. It is almost impossible to recondition a sexual imprint, to “cure” a homosexual with social-symbolic rewards or by physical punishment, electric shocks and aversion drugs. Let us inquire of the psychological conditioners how much success they have had in removing sexual fetishes, specialized imprinted lusts. When the Fourth Circuit sexual machinery is wired to a particular external lust stimulus even menopause cannot alter what biochemistry has etched, engraved, stamped-in to the synaptic linkage.

21. A Society Based on Conditioning Behavior Must Rely on Control and Secrecy

The larval societies now controlling the planet can only maintain themselves by the increasing use of coercive and manipulative conditioning methods to shape, direct and control behavior.

B. F. Skinner, the Harvard behaviorist, in his book **Beyond Freedom and Dignity**, has presented the case for the Political Conditioners. It can be paraphrased simply: “Since human beings, allowed to behave freely, will not act responsibly, they must be psychologically coerced, conditioned to be dutiful, virtuous, reliable, prompt, efficient, happy, law-abiding. Humans must be continually manipulated by rewards and punishments to do the right thing.”

There are two aspects of this social conditioning regime which are not stressed by Skinner. To make it work, the government psychologists must have **total control** over the citizenry and there must be **total secrecy** and censorship.

In 1961 there came to the Center for Personality Research at Harvard University an enthusiastic Skinnerian who reported on the applications of operant conditioning to patients in a mental hospital. One of the behaviors to be inhibited was hallucinatory talk. Now there are many among us who believe that hallucinations have a functional role in the psyche and would consider the automatic extinguishing of hallucinations a violent restriction of some message that has importance in the emitter reality, even if it is not understood or considered useful to the psychologist’s reality. Using the technique of immediate reinforcement, the Skinnerians would

* Niklas reports that if chromosome strands are experimentally disarrayed (by poking them with a micro-needle) the molecules move back into the original sequence—much the way iron filings “swim” into position in response to magnetism. This suggests that some sort of energy-field pattern operates to keep the DNA code coherent and logical. A microscopic genetic brain integrates and controls the evolutionary signal.

instantly produce a cigarette every time the patient made a non-hallucinatory comment and would take the cigarette away every time the patient would hallucinate. The researcher gleefully announced that the rate of hallucinatory comments dropped by a significant level. Even more impressive changes in behavior accompanied the giving or deprivation of food. The Skinnerian glumly complained that hospital rules prevented them from carrying out this experiment to the useful point of starvation. "If we had total control over food intake, we could really shape behavior," said the operant conditioner, who may not have heard the soft comment by one staff member that this technique had been used by most of the dictators in world history.

In order to condition human behavior it is necessary to get control of stimulus early in childhood and to maintain this control throughout life. In the psychological utopia, conditioning, would be accompanied by continual psychological testing so that special aptitudes and potential trouble-makers are identified early in the game and special conditioning programs set up, tailored to eliminate individual eccentricity.

Political conditioning requires not only control of reward and punishment, but also secrecy.

One dissident, freedom-oriented psychologist can totally disrupt a psychological fascism by public exposure. If parents and even children are warned about the method of conditioning they can consciously decide whether to cooperate or to resist, passively or actively. Psychological tests are, for the most part, ineffective, if the subject has been warned about the purpose and construction of the tests. Even the use of drugs in brainwashing can be counteracted by the person who learns about the specific effects of neurochemicals.

Psychological conditioning techniques cannot be employed in a democracy where minority groups can campaign against and publicly discuss the techniques being used, and publish the answers to screening tests, where citizens have the right to avoid the conditioners.

Thus the proposals of B. F. Skinner cannot be implemented except in a state where the government has total control of communication.

Without these controls continually reinforcing, continually reminding (e.g., the omnipresent slogans of the police state, the omnipresent advertising directives of the consumer state), people just plain forget what they are trained to do and drift back to their imprints. And to their genetic-robot styles.

Consider the dog who rolls over to get his bone. Will the dog roll over in the absence of the master? This is the nightmare that haunts the aging Mao.

Human behavior is determined by:

genetic-neural template (zodiac type)
and
imprint.

When the child gets to school it is too late to teach Hir. If SHE has imprinted, from her home or peer-group, a dexterous symbolic mind, SHE will learn in spite of the teachers.*

A very thin veneer of operant-conditioned behavior creates the flimsy facade of domesticated civilization.

Larval humanity now faces a genetic cross-roads. Some will choose to solidify social conditioning by manipulating the child's environment and thus domesticating the imprint. Maoism.

Others will choose to mutate to a higher level where each person is taught to manage and control her own imprinting and conditioning. We can expect that many different social groups will emerge along both of these directions.

We have just considered the genetic, neural and social limitations of conditioning.

We shall now consider the liberating and limiting implications of **serial re-imprinting**.

22. Imprinting Is Limited by the Local Environment

Learning, conditioning and other educational or coercive methods of behavior-control write their messages on sand. After each daily tide of association and reward-punishment the associations must be repeated. The coercive nature of learned behavior is not clearly seen because it appears voluntary, indeed, the conditioned robot is obsessively drawn back to his place in the sand box. Larval civilization is a Beckett landscape. Every morning millions of humanoids rush to their sand-piles and reconstruct them.

The ordeal of Sisyphus was an exciting heroic adventure compared to the monotony of social conditioning. The robot, operant-conditioned to symbols, is a reward addict. If we remove the symbol-rewarding environment, if we fail to produce the conditioned stimulus, the humanoid robot goes mad, because SHE has nothing to do. We can accurately speak of stimulus junkies. If there is no sand box and no sand to work on, there is panic. Social deprivation creates desperate reward hunger. The social reality of conditioned response requires continual rewarding. The prisoners continually rebuild their restricting reality walls which crumble if they are not continually reinforced.

Operant conditioning is robotry and can exist only in a controlled, scheduled, coercive society.

* The word "mind" refers to the basic orientation of the muscles of the larynx and the right-hand which determine the style of symbol manipulation—upon which social conditioning grafts its rewards and punishments.

If, to continue this rather gritty metaphor, conditioning is building sand structures, imprinting is like stamped-out metal patterns. Trying to recondition an imprint with reward-punishment is like dropping single grains of sand on a forged steel pattern. Decades of sand can wear away the iron pattern. Senility can wear down the imprint. The aging politician gets lazy, the aging homosexual becomes too fatigued to cruise. Etc.

To change the shape of metal forms one must apply energy sufficient to rearrange the patterning of molecules. Change the electromagnetic Field. So it is with neural imprints. Just as heat is used in metallurgy, so is it necessary to apply massive biochemical energy to loosen the molecular synaptic bonds. Internal stimuli—drugs, trauma, illness, deprivation, shock—can retract the external neural life lines.

Just as heated metal hardens into the new form, so does the re-imprinted nervous system harden into new circuits, freeze back into new membrane forms. We speak here of psychedelic metallurgy, serial re-imprinting, the neurologic craft of recasting the seven minds, recircuiting the bio-electric wiring.

With the present repertoire of Sixth Circuit neurotransmitter drugs it is apparently only possible to re-imprint about once a week. You cannot re-imprint every day.

It takes from five to seven days for the new-mind-mold to harden. LSD research indicates that it takes a retractory period of a week for the structure to build up.

If a person had a full-scale LSD re-imprinting experience once a week for forty years, two thousand re-imprintings would be possible. This is to say, two thousand serial-reincarnations could be experienced. It is obvious that even if one played out all the myths, imprinted all the available roles, focused re-imprints on every sense organ and combination thereof, one would be hard-pressed to find and live out that many reincarnations.

The dismal fact about casual LSD sessions is that the ill-prepared person tends to re-imprint the past conditioned structure; thus charging with new energy the habit patterns of the old island reality.

It is a fundamental principle of exo-psychology that conditioning centers around the positive and negative poles of the imprint. The imprint-fix is sudden. Post-imprint conditioning, however, takes time and repetition. Around the initial sexual imprint, for example, there builds up, over the years, billions of conditioned associations. This forms the structure of personality.

During a re-imprinting session it is probable that the new imprint includes the old conditioned structure. You re-imprint your spouse, for example. Where new models are imprinted, it is necessary to start building up new circles of conditioned reflexes around the new imprint. This takes time. Some early LSD researchers concluded that a six month waiting period should occur between LSD sessions. In psychological terms, to “work through the new insights.” The exo-psychological phrase is “to allow new conditioning to network around the new imprints.” But the new imprint model must be present during the re-conditioning.

Neurologic, therefore, requires that one plan one’s re-imprinting sessions carefully so that those aspects of previous realities which one wishes to exist in the future reality are present to be imprinted and new models imprinted during the “sensitive” period remain around to allow new conditioned associations to build up around them.

Usually the person re-imprints the old conditioned stimuli.

One often hears the complaint from people who have taken LSD repeatedly that, after a while, the “trips” were the same. Such comments reveal a lack of knowledge of the re-imprinting process. If the recasting of the mind occurs over and over again in the same place with the same set of characters (usually one’s larval egos) then the same neural form repeats. This is like having the most precise and expensive photographic equipment and, without moving it, continuing to photograph the same object.

A more thoughtful use of the recasting, reincarnative potentialities of the nervous system was exemplified by the two neurologicians, a newly married couple, who embarked on a psychedelic world tour. The first step was to purchase ‘round-the-world air tickets which had to be used within one year. The couple then thought of themselves as orbiting satellites of the planet who had to accomplish the circumnavigation in twelve months.

The procedure was to fly to a country and to enquire as to the “spiritual” center of that nation. In Japan, they were told to go to Kyoto. In India, to Benares. In Greece, to Eleusis. Etc. In Kyoto they asked where the spiritual center, the “soul” of Kyoto was to be found. They were given many suggestions and visited each center to pick up neuro-genetic vibrations. They spent a week reading about the history, politics, culture, art, myths of Japan and Kyoto. Then they went to the “holiest” place, ingested a Sixth Circuit neuro-active chemical which suspended old imprints and opened the nervous system to new imprints—which in this case were structured by the architecture and regalia of the Emperor’s palace. For six hours they absorbed the signals of the place and became neurologically Japanesed.

This is the only way to “see the world”^{*}—to retract the imprint roots and move the unattached nervous system to a new locale to which the neural lines are extended. (See diagrams 13-24.)

Without such flexibility—vulnerability—we can experience nothing outside the membrane that was formed at the time of the last imprinting—which for larvals is the time of adolescence or, in the case of women, their last child-birth. Most world travellers move their robot-bodies from country to country experiencing only symbolic versions of their own home grounds.

Such neural touring is not an end in itself, but a rudimentary training exercise for neurologicians learning how to use the Einsteinian serial possibilities of the brain.

The goal of the neurologician is to increase not just consciousness, but intelligence. Contelligence; to learn how to move and change realities by means of serial re-imprinting. When the nervous system can be used at Einsteinian relativistic speeds, the passive limitations of the nervous system itself become apparent. There are basic genetic dimensions of reality-construction which cannot be

^{*} We use the word “see” in the sense of don Juan as contrasted with “looking.”

changed by re-imprinting. Just as operant conditioning is futile when compared to neural imprinting, so is imprinting superficial when compared with the **Genetic Template**.

We recall: imprinting hooks the bodily-neural equipment to one basic external. The environment (including the body) imprints the nervous system just as film is imprinted in a camera. However, the camera is designed and constructed by DNA. The filming process is limited and guided by the structure of the camera.

The most obvious illustration of the relationships among conditioning, imprinting and genetic templating is seen in the sexual response.

DNA, at the time of conception, stamps out the sex and model (zodiac type) of the nervous system.

The nervous system at puberty then imprints the release-stimulus of the sexual machinery. Then social conditioning either supports or ineffectually (and often cruelly) deals with the outcome of this three-layer programming by means of social rewards for virtue and social punishment for “sin.”

The conflicts, internal and social, which plague larval humanity are often due to discordance among the social-neural-genetic structures.

It is a simple matter to change conditioned behavior. Just move into a different reward punishment scene.

It requires neurologic know-how to change imprints.

The genetic template, the most powerful determinant of human behavior, cannot, at this time, be changed; it can only be understood and adapted to. When post-larval humanity has evolved to Stage 20 (Genetic Engineering), it will be possible to change genetic pre-disposition.

23. The Most Intelligent Use of the Nervous System Is to Imprint the Genetic Code

The structure of the body and of the nervous system is pre-designed by the genetic code.

The code is an amino-acid time-script which contains the multi-billion year sequence of biological evolution. Past and future.

The first task of Life on this planet was to transform the atmosphere. Plant life produces the oxygen atmosphere necessary for later phases of mobile, animal life. This process is called **terraforming**.

When oxygen was produced, the code simply kicked into action the gills, lungs, and oxygen-transporting systems in the body to produce the next phase of evolution.

The evolution of humanity for the billions of years to come may already be pre-programmed in the genetic code, blocked from expression by chemical masking barriers called histones, and turned on by non-histone proteins.*

The blueprint of DNA has designed us to move life off the planet and to enter high-velocity, time-relativity states, to attain symbiotic longevity, to construct and direct nuclear-fusion energies which will transport us through the galaxy, and eventually to evolve beyond matter as we now know it.

The intelligent person in the year 1976 has available enough evidence to predict the general course of future evolution, and on the basis of these inevitabilities, to participate in a neurological mutation. It is about time to use our heads; become very contelligent, very rapidly.

One who allows Himself to be controlled by conditioning or accidental childhood imprinting is accepting robothood. To follow the genetic instruction it is necessary to retract larval imprints and to create new neural realities, new languages based on Einsteinian relativities. Create the future and then imprint it.

Neurologic is the science of selective re-imprinting. The use of the nervous system as motion-picture camera. The conscious creation of a sequence of realities.

It must be remembered, however, that neurologic is a tool for neurogenetics. It is of little use to go on re-imprinting larval realities or somatic realities. The Sixth Circuit is designed for extra-terrestrial existence, for post-human, genetic consciousness. Neurotransmitter drugs, like LSD, are thus seen to be post-larval in function.

The DNA code contains the entire life blueprint—the history of the past and the forecast of the future. The intelligent use of the brain is to imprint the DNA code.

24. Evolution Requires that Some of Us Become Conscious Agents of the Future

Up until the present, human beings have been neurologically unable to conceive of the future.

This inhibition (Neo-phobia) is genetically imposed. The larval nervous system creates earth-bound realities. For the caterpillar to “think” about flying would be survivally risky. Indeed the caterpillar cannot “think” about flying because it has no wings. We assume

* *The future of post-larval humanity rests dormant in the unused portion of our genetic code just as the “butterfly” potential lies hidden in the chromosomes of caterpillars.*

that pre-human forms of life have no awareness of time, no ability to look into the future; that mammals operating with the two immediate survival circuits have no conception of the evolutionary plan.*

The key to evolution beyond the larval forms is the understanding and control of time.

The emergence of the laryngeal-manual circuit, the paleolithic unfolding of left-hemisphere symbol-manipulating and logical-ordering allowed humanity to transmit vocal, written and artifactual time-signals across the generations. Operant conditioning, instrumental learning assures the transmission of culture from the past to the present.

Larval time-binding involves very short periods and narrow perspectives. The farmer looks to the next harvest. The politician looks to the next election. The bureaucrat looks forward to payday, to the weekend, to the summer vacation. Parents look to their children.

Larval civilizations operate on the basis of calculated ignorance about the future. The four-brained person does not want to know about the future because it threatens the stability of the reality imprint. Four-brained societies do not want to know about the present, because prospection would lessen the motivation to work blindly towards organized uncertainty.

There is a taboo about future forecast. The book **Future Shock** seems to be more about **present shock** and describes the terror and confusion created by a world which is different from the past; i.e. different from one's childhood imprint realities. Pro-phobia is so intense that the future cannot be faced in a best-selling book.

Even the scientific groups who try to project the future are curiously unable to foresee an evolving neurological-mutational change. The Club of Rome, the RAND Corporation, Herman Kahn all present statistical extrapolations of material trends of the past projected to the future. Thus we are told that the future will be a global extension of a Swedish Los Angeles. All the current predictions by "futurists" forecast an air-conditioned ant-hill world in which personal freedom, creativity are limited by population pressure, scarcity and restrictive social control.

There is one possibility routinely omitted in future projections—a sudden global raising of contelligence. The "I²" of S.M.I².L.E.

The 1960's witnessed a general raising of consciousness, a massive "mind-fission," a widespread retraction of larval imprints. The new realities imprinted were not thoughtfully selected. While there was a "drop-out" away from the artifact-symbols of the parent-culture and a joyful hedonic acceptance of the rapture of direct-sensation ("feel good, stay-high"), there was an unfortunate tendency to reject technology and scientific thinking. The drug-culture of the 1960's wandered around, "spaced out" (this is a good term)", "high," but with no place to go.† One generation too early for interstellar migration.

Into this neural vacuum rushed the "occultists," second hand Karma dealers, Jesus-salesmen, "spiritualists," fad-cultists, astrologers providing occult terms and "other-worldly" explanations for the new transcendental states.

The question of the 1960's was: After retracting imprints from the material culture, where do you go? The answers of the past were: back to Jesus, back to Hassidism, back to India, back to the nature simplicity of the pioneers. The Here and Now of Transcendental Masturbation. The "Me" generation.

The consciousness fads became soothing terrestrial "turn-offs," offering peace of mind, detached serenity, health-foodism, feel-good sensory supermarkets for premature mutants who have no idea of where to go. The water-bed fad is a classic example of pre-mature 5th Circuit mutation, with its hint of zero-gravity sensory freedom.

The hedonic spirit of the 1960's was a manifestation of Stage 13, the receptive, exploratory use of a new neural circuit. It is natural that the first post-larval generation would appear confused, dis-oriented, frivolous, irritatingly vague. The task of the next generation is to learn how to transmit the new experiences, to raise intelligence, to control time, to create extra-terrestrial models based on scientific evidence.

A mutation is always disturbing to the larval culture. No one wants the reality game to become bigger than one's childhood imprints.

The genetic time-table has reached the point where humanity is beginning to understand how the nervous system operates and how robot-synaptic reactions can be suspended. A new level of contelligence is defined.

25. A Wide Variety of Future Post-human Forms Will Emerge

The evolutionary process schedules mutations with a relentless continuity. Every living organism plays a part in the evolutionary design.

There are eight answers to the basic question, "Who am I and where am I going?"

In terms of genetic teleology the question is: "In which direction am I mutating?"

The genetic perspective is taboo and frightening because it forces us to face certain embarrassing facts:

1. **The human species is an incomplete form which is undergoing dramatic changes.**

The human race (and, indeed, life on this planet) is now at the half-way point. In three billion years we have evolved from unicelled organisms. In the years to come we shall manifest changes much more dramatic.

2. **The rate of evolution is accelerating.**

* This assumption may be another anthropocentric myth. The bee-hive, in its elaborate structure, may be a time-binding cultural signal to new generations of bees. U.s.w.

† "Stoned" is a bad term, as is "loaded."

The human condition is changing at an accelerated rate in terms of physique, neurological function, ecology, density and diversity of population, etc. Consider the human situation 25 years ago, 50 years ago, 100 years ago, 1000 years ago, 10,000 years ago.

Now assume that the same rate of accelerated change continues. How will we evolve in the next 25 years? The next thousand years?

3. **The evolutionary process produces an increasing spectrum of differentiations. The present human gene pool will evolve in many different directions. It is probable that hundreds or thousands of new species will evolve from the present human genetic stock.**

The social implications are startling. Of the next hundred persons you meet it is probable that each will evolve into a new species as different from you as the rabbit from the giraffe. About 75 million years ago certain insectivore species (lemurs) contained the seed-source from which the 193 varieties of primates, including the human, were to emerge.

To understand yourself, to understand the human situation it is useful to project a prospectus of how the human species is going to evolve.

Much of the conflict and confusion which characterizes the current human plight can be gentled and clarified if we accept the fact that we are genetically very different from each other and inexorably pre-programmed by DNA template to evolve in many very different directions.

The work of geneticists like Paul, Stein and Kleinsmith suggests that histones mask the half of the DNA code which contains the futique design of the organism. If it were possible for one to pull back the histone curtain and see the blueprint of one's genetic future one would have a most revealing answer to the question, "Who am I and where am I going?" The question must be posed in the first person singular. The error of genetic democracy led Gauguin to ask, "Where did we come from and where are we going?" The question can only be asked, "Where am I going? What genetic futique do I carry in my genes?"

Each of us transmits a pre-coded design of future organisms very different from current human stock and very different from most other humans.

26. The Post-larval Must Be Very Cautious in Communicating with Larval Humans

Exo-psychology holds that the human larval exists in a reality defined by the four survival imprints. Although the brain receives 100 million impulses a second, mundane consciousness is limited to signals which have been conditioned to one of the four imprinted game-boards.

Unconditioned sensations, the raw swirl of an unfiltered reality, exist as background noise.

In communicating with larvals the following points must, therefore, be remembered:

The Larval has no interest in you, you do not exist, unless you can hook into Hir limited reality-island, transmit on Hir narrow mind-band, unless your behavior offers meaning in terms of possible benefit or threat to Hir:

- cellular well being
- emotional-hierarchical status
- artifact manipulation game
- socio-sexual security; domestic reassurance.

All larval interactions are instrumental to one of the four survival attitudes. Larvals are comfortably adapted to this limited four-channel communication, scan automatically for the survival meaning of each stimulus and scuttle by each other like ants, each intent on Hir own "reality"—reacting automatically to relevant cues from others.

Larval communication occurs in terms of four systems, some of which are comprehensible to the entire species, some of which are limited to members of the same cultural-imprint group.

Larvals do not like to receive information unless the facts fit into their 3rd Circuit reality net and immediately reward their emotional status. Democrats were delighted to hear the facts about Nixon, but Republicans were irritated and resistant.

Larvals submit themselves to learn new symbols only under special motivational circumstances where the new connections build on and confirm established systems or give promise of future emotional rewards of which the teacher is model.

Larvals fervently resist new symbols which require a change in their network of associations. This resistance to learning is not psychological; it is neurological and biochemical. New ideas require a change in the wiring of associations and literally cause a "headache."

Communicating with a larval involves building onto the net of associations. You must literally wire each new idea to an existing neural connection. Larvals learn almost no new symbol systems after childhood. They simply add on to or translate into symbols closely connected to the imprint. This accounts for the fact that it takes at least one generation for a new idea to be understood.

It is especially important in communicating with larvals to remember that few symbols now exist for post-larval processes.

You cannot use butterfly language to communicate with caterpillars.

Circuit 4 language involves domestic-moral and social values. Here we discover that there are great cultural differences. The basic sperm-egg invitations to orgasm are, of course, global, but the semantics of displacement, inhibition and sublimation become subtle.

Indeed, the individuality, intimacy, specificity, inconsistency and volatility of value symbols requires the greatest caution on the part of post-larvals communicating with yokels.

Most larvals live in terror of being seen as sinful or “bad.” Constant reassurance is required to maintain the feeling of being socially approved.

In communicating with larvals about sexual, philosophic, or ethical matters, one enters very dangerous terrain. **It is almost impossible to discuss philosophy with yokels.**

Hypocrisy, unconscious motivation, irrational paradox, need for approval and fear-of-shame dominate every discussion of philosophy-religion.

Larvals may be bored by and may tune-out Circuit 3 symbols which do not fit their imprints and conditioned networks. But Circuit 4 moral symbols or behaviors which are sensed as different trigger off responses of passion and even violence. Because of this philosophic sensitivity, yokel humans tend to avoid philosophic discussions.

This phobia can cause painful reactions when a post-larval attempts to discuss exo-psychology with a mundane.

The reasons for the philosophic phobia:

1. Yokels are ignorant about where life came from, where it is going and why. They are thus terrified by their mortality. Each larval has accepted a flimsy philosophy of life-and-death which SHe does not really believe. Thus the irritation and panic when this basic hypocrisy is threatened by a scientific discussion about life-origin and life destination.

“The Lutheran church has always been based on the Bible,” explains Phil Beck, Production Manager of a local paint company and the superintendent of the Church’s Sunday School. “If you start questioning it, where do you stop? If I have to have that much education to sit down and understand Genesis, then why did God let Luther put it in the people’s language? At what point do I throw the whole mad mess out the door?”

Time magazine

2. Yokels are robot-slaves to DNA. They blindly labor to perpetuate the species, to breed, to establish domestic arrangements for rearing young and to transmit cultural survival patterns. Any discussion which threatens to expose or question this robothood is extremely painful. The larval cannot tolerate the insight into uneasy areas of uncertainty.

3. Expression and inhibition of sexual behavior is charged with terror, because orgasm and sperm-egg transfer must be domesticated to provide for stable child rearing.

In communicating with larvals one must realize that discussions about life, death, philosophic ultimates, child-rearing, sexuality—are highly individualistic. Reactions to these topics are unpredictable, depending on the intimacy and safety of the situation.

Hypocrisy and violent defensiveness is endemic.

Post-terrestrials, of course, think of little else except what happens after larval imprints are retracted. They are fascinated by communications with their body, their brain, their DNA. Post-larvals emit vibrations which sometimes disturb yokels and other times seduce them into a temporary abandonment of philosophic repressions.

Post-terrestrials are usually funny, erotic, relativistic and philosophically provocative. Yokels can unconsciously sense the difference in a post-terrestrial. It is therefore advisable to be accurate and sensitive when interacting with larvals.

One must be careful not to seduce the yokel into betraying too much truth. During a philosophic discussion with post-terrestrials, larvals will often get carried away in temporary enthusiasm, confess doubts about their cosmologies, admit ethical relativities and even accept post-larval strivings to leave the planet and escape death.

The post-terrestrial is urged to act with delicacy to avoid any overt or implied criticism of yokel values. It must be remembered that, to the larval, astronomy and genetics involve 4th Circuit ethical issues, which threaten loss of moral approval.

Discussing exo-psychology with a yokel is like discussing sexual experiences with a pre-adolescent. SHe just can’t understand the new reality because Hir neural circuits have not been turned-on. And SHe may turn you in for philosophic child-molesting.

Sooner or later the larval is going to realize that, after the exciting flight conversation, SHe is going to remain grounded. At this point the yokel can become passionately moralistic, attacking the post-terrestrial for being elitist, callous to human suffering, anti-human, escapist, or even diabolical.

Immortals must be careful not to wound the sensibilities of mortals.

In particular, one must be diplomatic in discussing the future evolution of the human species. Larval humans naturally believe that evolution has already reached its highest stage with **homo sapiens!**

Circuit 7 discussions which suggest that evolution is just half-completed, that the human species is fetal and not yet born, that many new superior species will evolve from the present gene pool—are especially wounding to yokel **hubris.**

Science fiction writers and astronomers have often speculated on the problems of communication between humans and interstellar entities. This problem is no longer academic. It is happening. This book is an example.*

* *The energy-languages of physics, electronics, astronomy, mathematics are post-larval but their relevance to psychology is just now being recognized.*

27. Post-terrestrials Must Also Be Cautious When Communicating With Premature Post-larvals

Some say that the Post-terrestrial Age was inaugurated in 1926 when a group of German visionaries formed the Verein für Raumschiffahrt (Association for Space Travel).

The V.f.R. held meetings, published research papers and performed rocket experiments. The group, unaffiliated with government, operated with the free dedication of a medieval alchemical fraternity. It was disbanded after the accession of Hitler. The goal of the V.f.R. was to arrange chemicals in the correct geometric order to produce the escape velocity to leave the planet.

The exo-psychological goals of V.f.R. were coopted by the Nazis, who used the V-1 and V-2 rockets for larval purposes.

At the same time, atomic physicists were seeking the correct arrangements of pure elements to fission the atom. The success of the Fermi alchemical team in Chicago can be seen as another exo-psychological landmark. The fission of the uranium atom provided the energy source to propel the interstellar, post-Einsteinian rockets which the primitive, chemically-fired Newtonian rockets of von Braun were forecasting.

The neurological revolution of the 1960's provided the biological counterpart of the Einsteinian point of view. The principles of exo-psychology were first presented (1963) in a paper mysteriously titled "The Religious Experience—Its Production and Interpretation."* This essay, which was widely re-printed and anthologized, accurately predicted that the languages and perspectives of science would provide the theology, ontology, cosmology of the future and systematically laid down the foundations of exo-psychology except that the inevitability of extra-planetary migration was not pointed out.

The co-option of nuclear energy, electronics and rocket-research by the military blocked the interstellar perspective and the subsequent 1960's disillusion with science encouraged the vague maxim "look within."

The resulting fascination with oriental quietism, shamanism, and pop-cult yoga produced a systematic anti-intellectualism, a calculated sucrose stupidity, a bland, smiling self-indulgent floating detachment which is personified as "The Hippy" (Stage 13) and "The Yogi" (Stage 14).

"The Hippy" and the "Yogi-Body Engineer" represent the first two of twelve post-terrestrial stages, transitional stages of "wingless butterflies," evolved beyond terrestrial attachments, no longer hooked to mundane symbols. The one-G earth and its survival routines are no longer "real." The Hippy-Zen adept is no longer reflexively reactive to emotional status cues, is unmotivated for dexterous success and unmoved by the virtue-shame systems by which society domesticates its workers; but has not yet evolved to the mastery of the newly activated circuits. The true post-terrestrial is **shame-less**.

The word "Hippy" is a generic term for the first post-larval stages describing those who genetically (Zodiac type), neurologically (imprint) or historically (hedonic/ sub-cultures) get trapped in passive-receptive hedonic life styles. Transcendental Masturbation.

The first post-Hiroshima generation has produced millions of Zen "Hippies" who have evolved from the mundane but do not realize that they are extra-terrestrial.

The problem is, in part, one of historical linguistics. The only languages, the only symbols provided by primitive psychology for extramundane experiences were "larval religious." The new reality of the Hippy is symbolized by vague, mystical terms.

A communication vacuum develops. On the one hand, The Hippy, Yogi and Tantric realizes that SHe has evolved somehow. On the other hand, the five-brained person, detached from larval symbols, lurches around grasping at any transcendental straw—magic, occultism, chanting, witchcraft, telepathy, guru-ism, mystical Christianity, Hassidism, experimental evangelism, the endless varieties of oriental charlatanism.

The trap of body-consciousness and sensory consumerism has been well summarized by Federico Fellini:

"People are losing faith in the future. Our [larval] education, unfortunately, molded us for a life that was always tensed towards a series of achievements—school, military service, a career and, as a grand finale, the encounter with the heavenly father. But now that our tomorrows no longer appear in that optimistic perspective, we are left with a feeling of impotence and fear. People who can no longer believe in a "better tomorrow" logically tend to behave with a desperate egotism. They are preoccupied with protecting, brutally if necessary, those little personal gains, one's little body, one's little sensual appetites. To me this is the most dangerous feature of the '70's."

Five-brained persons flopping around sporadically detached from mundane imprints, lacking a vocabulary and a methodology for extra-terrestrial movement, fall back on larval concepts of transcendence. Caterpillar fantasies about what post-larval life will be like.

A warning is in order. Many five-brained Hippies and Yogis are the most vehement opponents of extra-terrestrial evolution. They use three bland sets of clichés to resist practical plans for interstellar migration:

- **Look within.** Astral travel, passive changing of consciousness will transport us to the promised land.
- **Return to nature.** Back to the paleolithic! Simplify, avoid technology, stalk the wild asparagus, rely on body wisdom, organic purity, sensory pleasure.
- **All is one.** The cosmos is a homogeneous mist of flavorless cotton-candy. Exo-psychology and neurogenetics are attacked as unnatural, elitist attempts to differentiate the vanilla-pudding unity of simplistic Hinduism, Buddhism, u.s.w.

* Leary, Timothy, "The Seven Tongues of God," from *The Politics of Ecstasy*, New York, College Notes & Texts, 1965.

Underlying all three of these occultist postures is a revulsion against science, technology, evolution and intellectual competence. Implicit in the occultist theory is the assumption that there is nothing left to learn except to rote-memorize some Hindu chants, to rote-recite some glib theosophical dogmas, to quiet the restless, inquiring mind.

The three stages of the neurosomatic circuit—13. Hippy, 14. Yogi, 15. Tantric—are body-oriented and involve a deliberate symbol stupidity. It is understandable that the five-brained person reacts against the insectoid-cyborg materialism of larval technology, the scientism that produces plastic consumerism, military-industrialism, assembly-line anomie, and polluted over-population. But the rejection of scientific inquiry becomes a know-nothing smugness. Occultists become long-haired red-necks. The evidence from astronomy, bio-chemistry, genetics, nuclear-physics, defines the true frontier of philosophy and religion. Scientific American is more “far-out” than any occult magazine, the Periodic Table of Elements more prophetic than the Tarot deck. The nucleus of the atom is a realm more mysterious and omniscient than any theological fantasy. The cosmology of an expanding-universe-riddled-with-Black-Holes more bizarre than the eschatologies of Dante, Homer and Ramayana.

Despite this noble rejection of the artificial, the Hippie-Yogi-Tantric establishment is an entrenched, self-indulgent block to evolution—a transitional stage preparatory to planetary migration.

We see the limitations of neurosomatic contelligence most clearly in the teachings of don Juan. Castaneda’s warrior-sorcerers are admirable in their dignified, humorous, disciplined attempts to retract social imprints. Don Juan has worked out an accurate, metaphorical neurologic. He precisely defines the larval-imprint reality-island (**tonal**) and the direct experience of the **nagual**.

But don Juan’s philosophy is pessimistic: “There are no survivors on this earth.” It fails to evolve to Stage 15 neurosomatic linkage: “And then I was alone,” is the bleak conclusion.

The first post-Hiroshima generation was truly a lost generation. Liberated from yokel imprints but with no place to go beyond body geography. The cynicism and malaise of the 1970’s is the result of this disillusion.

For these reasons the exo-psychologist must speak with caution in communicating with the members of the “Woodstock” generation. They have imprinted their bodies but are too old and set in their ways (at age 25-35) to receive the neurophysical signals for extra-terrestrial migration.

28. Think of This Book—Exo-psychology—As an Astro-neurological Text

The past few pages of this transmission have whirled us through several billion years of evolution, introduced us to Higher Intelligence, explained our role as Paleozoic plants, pulled us through larval stages of mammalian body construction, described the robotry of symbol-conditioning, provided the key to sexual male-faction, instructed us in the use of the poly-phase neuroscope (equipped with life-long, re-imprint film), and given us adequate cues to allow us to attain biological immortality and time-dilation.

It is possible that we have already in this introduction transmitted more extraterrestrial information than is contained in all of the books which have previously been written.

“But maybe I’m revealing things I shouldn’t, don Juan.”

“It doesn’t matter what one reveals or what one keeps to oneself,” he said. “Everything we do, everything we are rests on our personal power. If we have enough of it, one word uttered to us might be sufficient to change the course of our lives. But if we don’t have enough personal power, the most magnificent piece of wisdom can be revealed to us and that revelation won’t make a damn bit of difference.”

Carlos Castaneda, **Tales of Power**, P.16

This book is not for Every Body. The human species is now at a point of genetic fission. Assume that about ninety-three percent of the species is going to adapt to life on the planet. Ecology is the seductive dinosaur science that will lead most of the post-human species to conform to terrestrial conditions, become reasonably comfortable, passive, robot-conditioned cyborg insectoids directed by centralized (ABC, NBC, CIA, MAO, CKB) broadcasting systems. For terrestrial readers this manual outlines the neurological steps necessary to adapt harmoniously to hedonic, five-brained cyborg existence.

This transmission flashes a different signal for the seven percent who we assume are DNA-designed to attain biological immortality, leave the womb-planet, become galactic citizens and fuse with superior interstellar entities.

This manual is not designed for conventional author-reader games. It is a signal for mutation. A test of intelligence. A scan for personal power.

The pan-spermic U.F.O.s landed three billion years ago and produced the signal, an English translation of which you now hold in your hand:

S. M. I². L. E.

SPACE MIGRATION INTELLIGENCE INCREASE LIFE EXTENSION

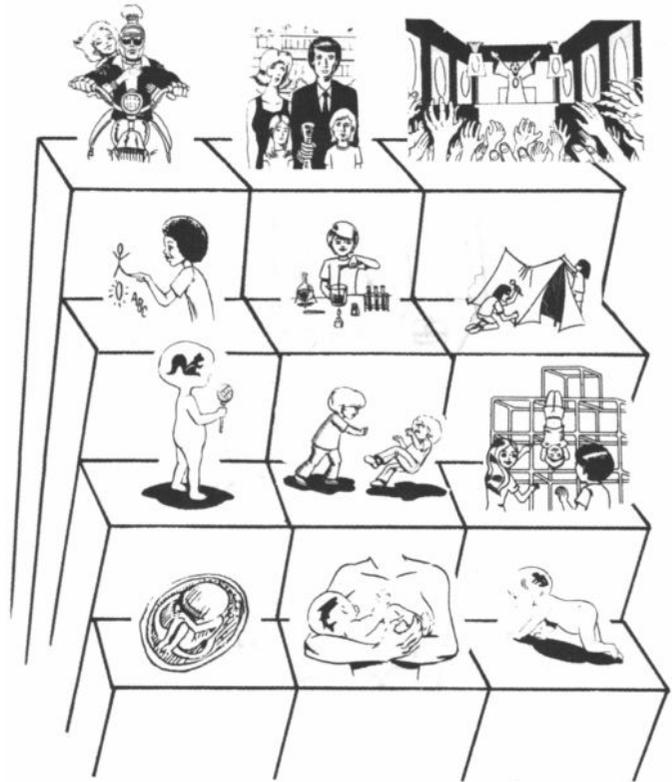
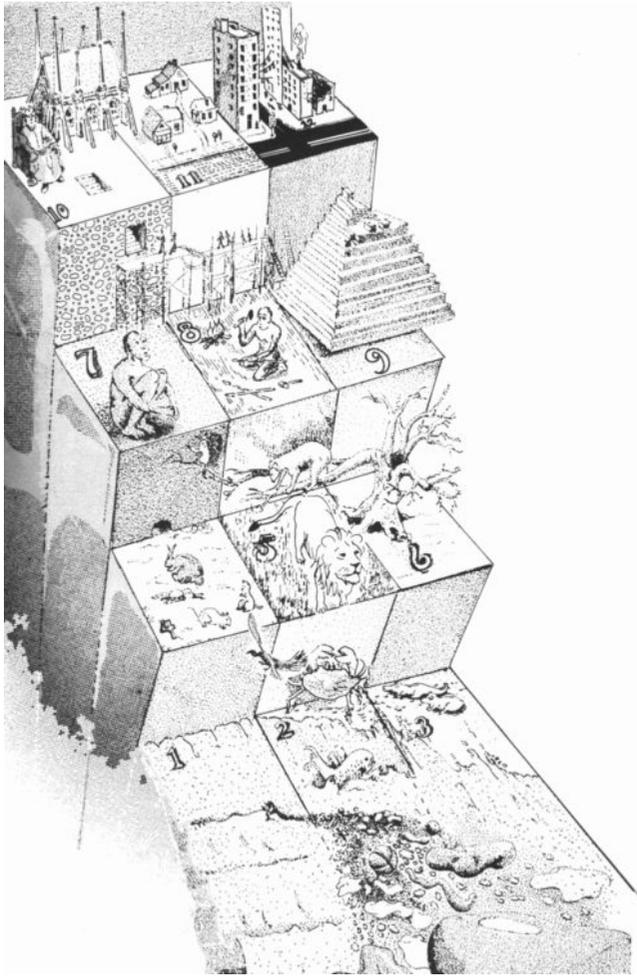
PART II

THE PERIODIC TABLE OF ENERGY DEFINES TWENTY-FOUR STAGES OF NEUROLOGICAL EVOLUTION:

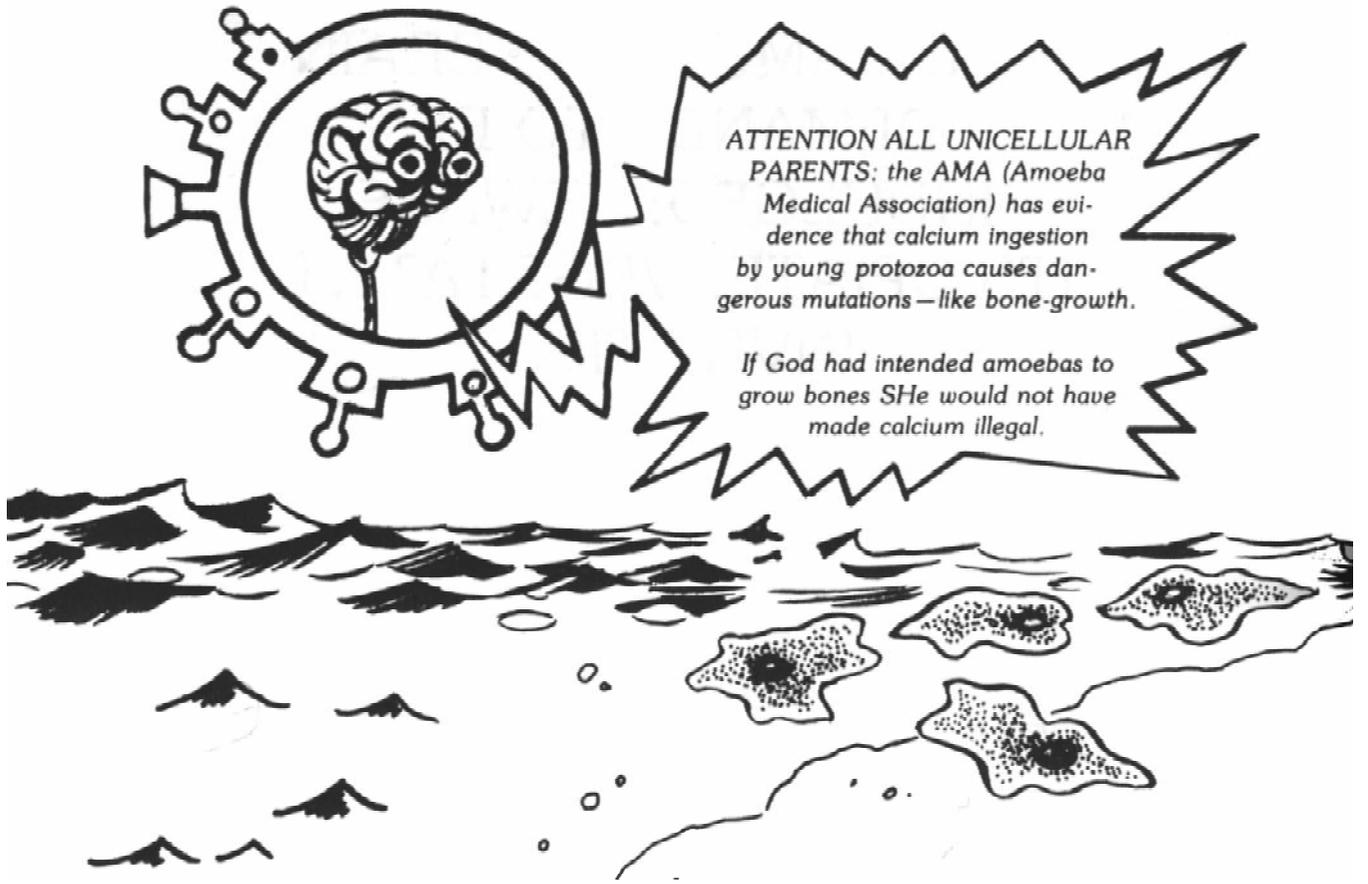
Period	Stage of Evolution
1. Bio-Survival (Marine) Stages	1. Invertebrate 2. Marine-vertebrate 3. Amphibian
2. The Terrestrial Mammalian Stages	4. Evasive Mammalian 5. Predator Mammalian 6. Hunter-Gatherer
3. The Symbolic Tool Stages	7. Tool User, Paleolithic 8. Tool Maker, Neolithic 9. Tribal, Metal Age
4. Industrial	10. Feudal 11. National, Low Industrial 12. Multi-National, High Industrial
5. Cyber-Somatic Piloting Sensory Info	13. Individual Consumer Hedonism 14. Individual Aesthetic Mastery 15. Hedonic-Aesthetic Linkage
6. Cyber-Electronic Piloting Quantum Electronic Info	16. Individual Consumer Access to Brain and Electronic Technology 17. Individual Mastering of Brain and Electronic Technology 18. Neuro-Electronic Networks
7. Cyber-Genetic Piloting DNA/RNA Data	19. Individual Brain Management through Genetic Technology 20. Individual Mastery of Genetic Technology Information 21. Electronic Networks – Linkage of Genetic Technology Information
8. Cyber-Nano-Tech Piloting Atomic Info	22. Individual Consumer Access to Nano-Tech (Atomic Information) 23. Individual Mastery of Nano-Tech (Atomic Information) 24. Nano Technological Linkage

Part II of this book presents 24 diagrams defining the stages of evolution. Explanatory pages accompany each diagram. The first 12 diagrams cover the first 12 stages of evolution and show how the person imprints the environment at each stage. The completely socialized person (stage 12) has twelve imprints which connect him to the collective (gene-pool) of the womb planet. Diagrams 13 to 24 illustrate the 12 post-larval, post-collective, individual stages. Here the individual is not hooked to the gene-pool governal but can connect and disconnect to any aspect of the environment at will.

THE TWELVE LARVAL STAGES OF NEURAL EVOLUTION

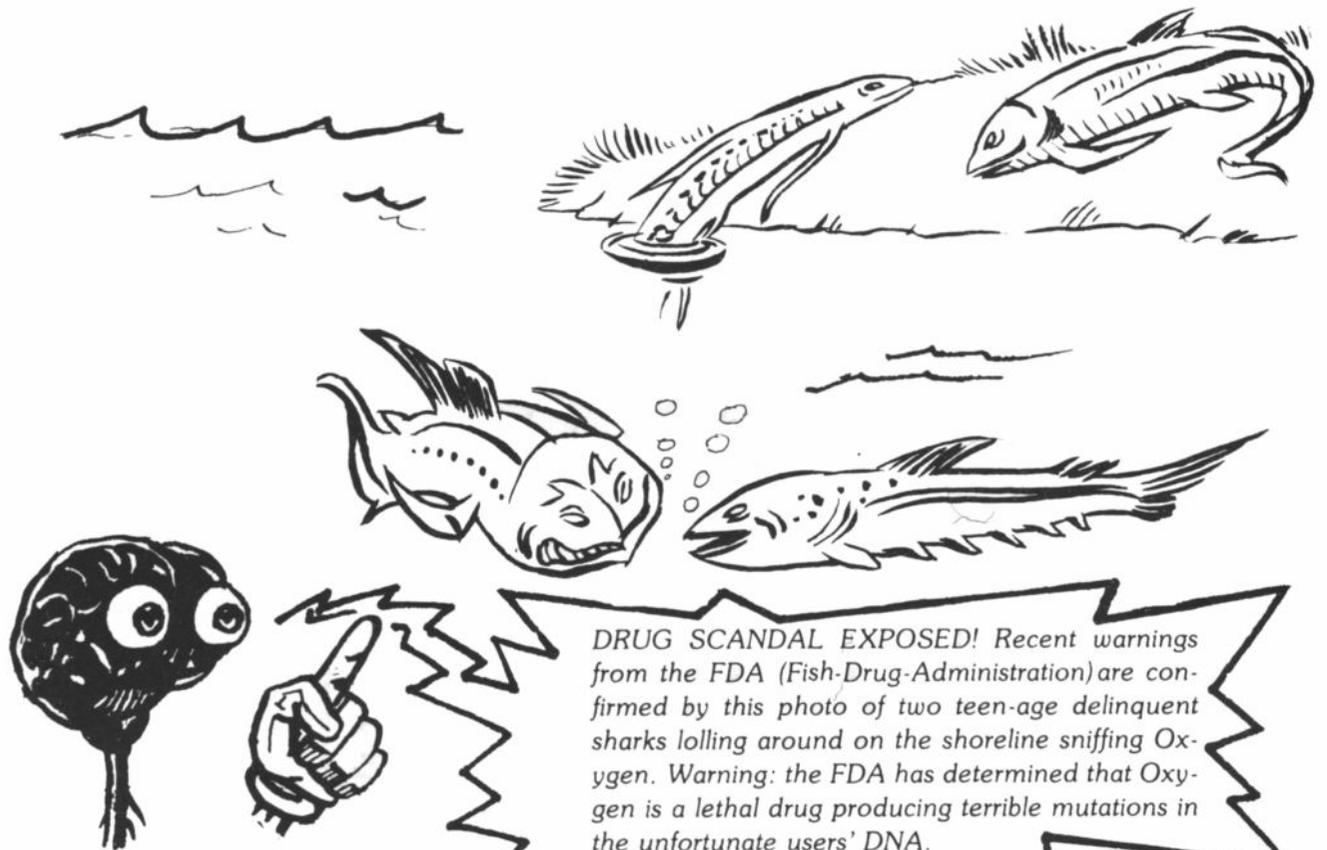


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4. Industrial	10. Feudal 11. National, Low Industrial 12. Multi-National, High Industrial



ATTENTION ALL UNICELLULAR PARENTS: the AMA (Amoeba Medical Association) has evidence that calcium ingestion by young protozoa causes dangerous mutations—like bone-growth.

If God had intended amoebas to grow bones SHe would not have made calcium illegal.



DRUG SCANDAL EXPOSED! Recent warnings from the FDA (Fish-Drug-Administration) are confirmed by this photo of two teen-age delinquent sharks lolling around on the shoreline sniffing Oxygen. Warning: the FDA has determined that Oxygen is a lethal drug producing terrible mutations in the unfortunate users' DNA.

STAGE 1: BIOSURVIVAL RECEPTIVITY

The unicelled organism and the newly-born mammal float passively, capable only of the reception of viscerotonic stimuli. This is the first stage of contelligence concerned with intake. The attitude is ventral-dorsal. The orientation is endomorphic approach-avoid.

Vegetative contelligence mediates pleasure-pain. Cellular security-danger.

Stage 1 is the basic seed striving towards life. The first inchoate movement towards star-light. Neuro-umbilical lines to the environment have not yet been attached.

This stage is personified in primitive, pre-neurological symbolism as the Zodiac Pisces, the Tarot Fool, the Olympian Hades-Persephone-Pluto-Proserpine.

Definition of self as a viscerotonic entity—a greedy incorporative endomorphic ego-identity.

Every individual human recapitulates in his life the 12 terrestrial stages of organic evolution—from single-cell to centralized socialism.

At the same time each human is genetically programmed to emphasize one of the twelve neurogenetic tasks necessary to keep the human tribal group a complete survival unit. The single human being is an element which is designed to link into a social molecule. There are 12 terrestrial stages of evolution and it is necessary for the primate group to have each survival slot covered. The three bio-survival “cellular” tactics are played out by Pisces, Aries and Taurus. The three mammalian political tactics by Gemini, Cancer, Leo. The three symbol-manipulating functions by Virgo, Libra, Scorpio. The three domesticating tactics by Sagittarius, Capricorn, Aquarius.

Stage 1 performs a visceral cellular function for the human group—at the behavioral level this concerns health and food. Basically, Pisces are visceral organs for the body-politic—as such they provide vegetative wisdom and link to the earliest unicellular consciousness of the species. One often reads about the “deep” mystical quality of Pisces. This is poetic influence to the marine nature of this first and most fusc stage.

It should never be forgotten that the Pisces is an amoeba—very close to hir DNA, very in tune with the genetic tape, very soft and moist.

Sucking-floating technology. The passive, unattached primordial stage of unicellular bio-survival. Marine, liquid. This primitive brain-circuit allows you to re-experience the earliest days of evolution, time-travel back to protozoan memorealities, and to re-live your own suckling infant days.

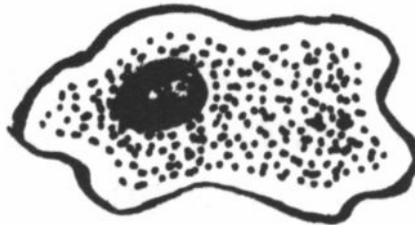
Drifting, embracing the soft, sweet, smooth, moist, nourishing, avoiding the hard, noxious, rough, dry, irritating. The Dendritic decision is viscerotonic: to turn towards the secure and biologically satisfying.

Stage 1 reflects newborn other-worldly innocence. In looser tribal situations the passive detached Fool, the Adult Infant, is tolerated and even seen as a source of social strength. Opium wisdom—distillation of the fluid, underworld DNA mysteries which are DNA-actualized within the vegetative nervous system. Disregard for rules, indifference to threats and punishments. The path of least resistance. Privacy. Amoral flexibility. Oral greed.

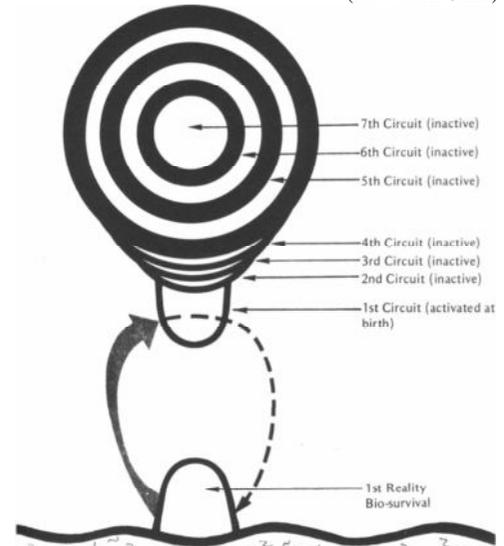
The Fool is self-rewarding, self-indulgent, self-stimulating, self-contained and self-undoing.

To get into your Stage 1 amoeba-infant brain:

- Watch a suckling baby.
- Float in warm water.
- Suck something warm and tasty.
- Relax in liquid day-dreams.
- Be stroked and cuddled.
- Be totally receptive and dependent.
- Act like an opium-drugged sultan.
- Read a text about protozoan life and re-experience your primordial reality.
- Activate sexual fantasies of infancy.
- Imagine you are floating in a sea of aphrodisiac honey.
- Buy a microscope and spend hours using it, sliding down into its reality.
- Imagine fucking each of the uni-cellular creatures you see.



STAGE 1 PISCES TONIC RECEPTIVITY (New-born Child)



Stage 1 begins when the new-born baby receives the first positive stimulus, the breast. Note that Stages 2 and 3 are ready to be activated. This stage, phylogenetically, is unicellular. The human who is genetically wired to play this role in the 12-unit human group is called Pisces, and all through life tends to emphasize or fall back on Stage 1 marine behavior.

STAGE 2: BIOSURVIVAL INTELLIGENCE

In species evolution Stage 2 is the muscular bony marine organism, equipped with a multi-neuron nervous system capable of memory, integration and evaluation of stimuli, and capable of attack-approach in addition to ingest-approach.

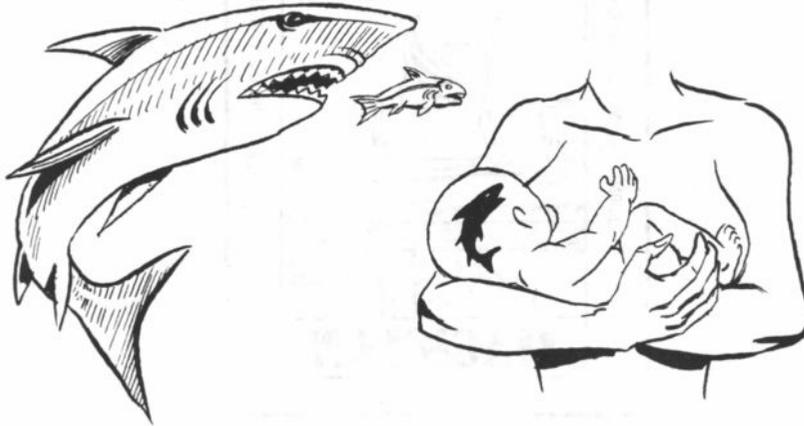
In individual development Stage 1 is the neonate after the first imprint has been formed—thus able to distinguish the basic safe (maternal) and the basic dangerous (non-maternal).

The Aries is classically described as a young immature Zodiac stage. This reflects the self-directed, infantile, driving nature of Stage 2. The Ram, however, is not the correct genetic sign. The Aries is in its playful moods a mer-man-mermaid and in his aggressive moods a shark.

The **attitude** is ventral-dorsal. Whereas the Stage 1 organism can only receive or flee, using amoebic pseudopod flow, the Stage 2 organism is capable of selective aggressive biting-stinging behavior in addition to sucking, incorporation, digestion etc.

The Stage 1 amoeboid organism has not developed a polar asymmetry. The Stage 2 organism has evolved to an asymmetrical polar structure, usually with a head (hypostomes and tentacles) and a foot (peduncle and basal disk). The nervous system is a simple net that is densest in the head region. This polarity is not oriented to a gravity-determined vertical dimension, but a forward-backward dimension. Differentiation into cell types has occurred.

The human infant is the neurological equivalent of a marine organism. The vegetative circuit of the infant imprints the basic reality, the first attachment of the organism to the environment. This stage is personified as the Zodiac Aries, the Tarot Magus, and the Olympian Neptune-Amphitrite.

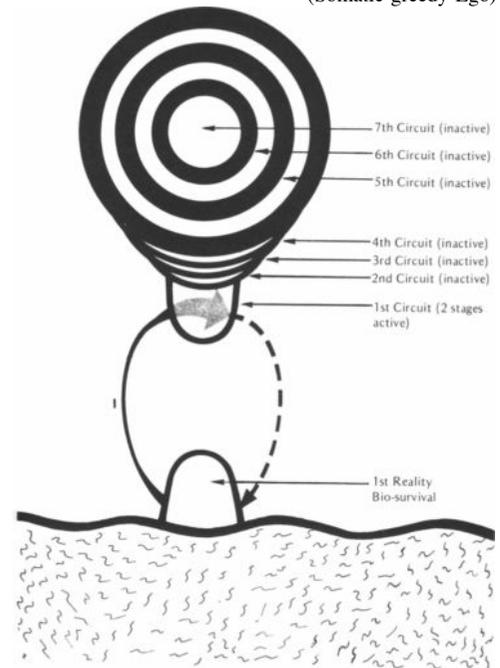


STAGE 2 ARIES

BIO-SURVIVAL INTELLIGENCE

(New-born Child)

(Somatic-greedy-Ego)



Stage 2 begins shortly after birth when the baby begins to discriminate, remember, select, integrate bio-survival behavior. Note that Stage 1 has been activated but Stage 3 has not (dotted line). This stage, phylogenetically, is marine. The human who is wired to play this role in the 12-unit human group is called Aries, and all through life tends to favor or fall back on Stage 2 shark-like behavior.

Control and satisfaction of the ventral organs. The *attitude* is forward-oral.

It is necessary to understand the neurological significance of the fact that all the survival-sensory equipment is located in front: mouth, eyes, ears, nose. The nervous system is oriented forward and the dorsal (rear) side is impoverished neurologically.

The evolutionary stage is marine, paleozoic.

The mobile, squirming, moving, biting Fish, or biting-squirming infant. Self-Actualization via mobility. Bio-neural intelligence is the marine mind of the infant scanning ahead for immediate visceral satisfaction, integrating and organizing the vegetative, autonomic survival signals.

The self-centered, driving marine bio-intelligence. The motive force of animation. *Jaws*.

Concern with the first basic problem of all life: what to approach and what to avoid.

To get into your Stage 2 biting-fish brain:

- Swim and dive.
- Enjoy nibbling and biting something tasty.
- Think and fantasy like a barracuda biting, tearing, ripping warm flesh.
- Avoid social responsibility.
- Be greedy and gluttonous like an opium addict.
- Lie in bed thinking barbiturate-quaalude thoughts.
- Always have an aquarium in your house; get high and watch the action.
- Think like a lawyer or agent.

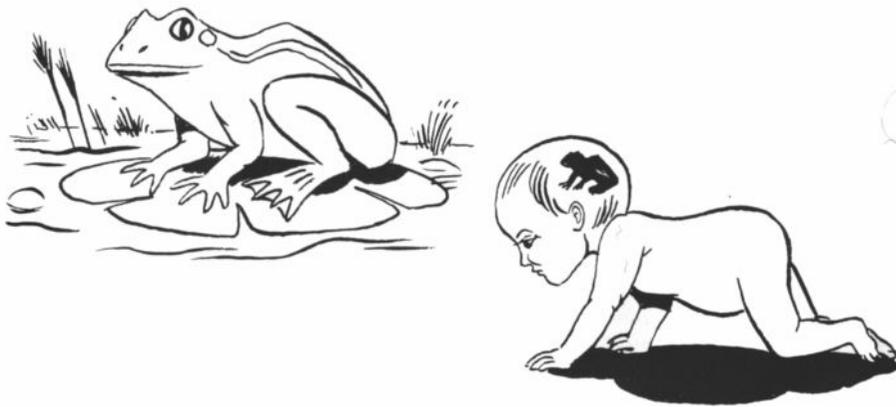
STAGE 3: BIOSURVIVAL FUSION

In species evolution Stage 3 is the amphibian.

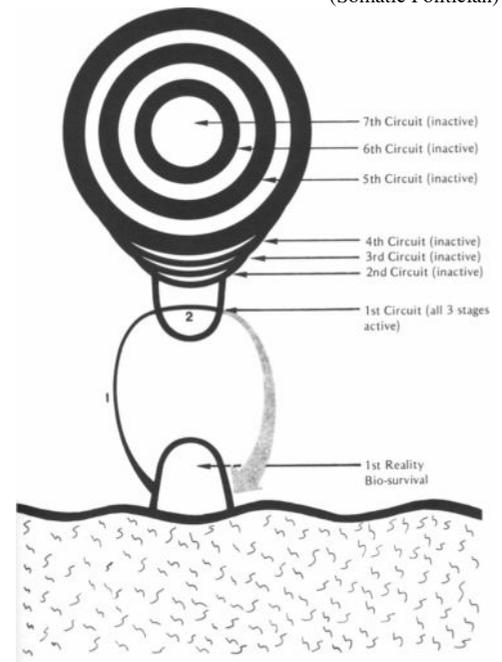
In the development of the individual Stage 3 is the infant linked neurologically with the Mother. This stage introduces the first social, inter-organism linkage—maternal-infant. The synergistic profit from this viscerotonic fusion is incalculable. Instead of devouring or fighting each other, for the first time two organisms connect neurologically for mutual survival. The communication is viscerotonic, cellular.

In the human this stage is the endomorphic, flesh-connection, personified by the Zodiac Taurus, Tarot Empress, Olympian Demeter-Ceres, Dionysus.

The Taurus template is often symbolized as the Bull. This is inaccurate and represents the male chauvinism which plagues most occult and astrological systems. Taurus is better described as the cow-calf linkage—although sea-cow, frog, octopus are more appropriate totems. Taurus is an infantile sign—greedy, sensual, unfolding. The fact that adult Taurans are greedy for more complex materials should not disguise the fact that they are at the same time very maternal and very dependent.



STAGE 3 TAURUS BIO-SURVIVAL VISCEROTONIC FUSION (SYNERGISTIC) (Infant-Mother Linkage) (Somatic Politician)



Stage 3 is initiated when the infant links with the maternal life-giving person. This stage, phylogenetically, is invertebrate. The human who is genetically wired to play this role is called Taurus, and all through life tends to emphasize material comfort and vegetative satisfaction.

The ventral-ventral linkage. The embracing, belly-to-belly visceral connection. The First Migration. From water to shoreline. The soft landing of the infant onto the planetary skin-surface. The external target of the First Circuit vegetative connection. The First Mate. Mother Earth, moist source of nourishment, warmth, softness, food. The searching, hungry, stimulus-starved ventral nerve-endings hooked up. The First Fusion—solid, comforting, smooth, liquid, warm, cuddly and moist.

Your nervous system contains a slow, crawling amphibian Brain Circuit which is still functioning and demanding of affectionate attention.

Crawling technology which makes possible migration to the shore-line, floor-line. The young nervous system links with the earth in belly-to-belly contact. Bio-security through crawling.

The First Home on earth, solid, tranquil, sensual, tactile, Security. The ventral nerve-endings of the infant search, find and connect with earth. Mother-love. The Self-Actualized Infant recognizes and fuses with earth.

The anthropological expression of this evolutionary slot is matriarchal. The worship of life.

The Earth-Mother provides the face-to-face satisfaction of the ventral hungers. The security and indolent satisfaction obtained from the full-belly, the soft-skin touch, the sense of cushioned languor.

Material love, pleasure in food, drink, contact with soft luxury, comfort, indolence. The steady, quiet immovable fulfillment which results from ventral-ventral fusion.

To get into your Stage 3 amphibian-crawling brain:

- Make belly-to-belly contact with a warm earth-substitute.
- Lie in the sun.
- Luxuriate on the beach.
- Stroke and be caressed, indulge your skin in a dozen sleeky ways.
- Reduce your rhythm to languorous sloth snake-slither on the floor-line.
- Think, dream, or fantasy about moist, mermaid, sleek-seal skin contact.
- Imagine you and your junky lover are shooting each other up looking in each other's smiling reptilian eyes (but avoid the real thing unless you want to become a non-flowering, smelly, stupid, bi-pedal vegetable).
- Read a zoology text and fabricate the reality of a dozen different amphibian types.
- Hang out on the shore line and watch amphibian life.
- Keep some amphibian pets around and share their reality.

STAGE 4: EMOTION-LOCOMOTION RECEPTIVITY

The Second Circuit emerged when living organisms left the water, developed backbones, learned to master gravity, control territory and establish dominance hierarchies.

In the individual's development the Second Circuit is activated when the young child begins to crawl and toddle.

Stage 4 is the exploratory, self-centered period during which the child begins to master gravity, coordinate mobility muscles, move upwards against gravity—but before cooperative emotional distinctions are made. The child defines a new self, musculotonic, able to move agilely on the ground.

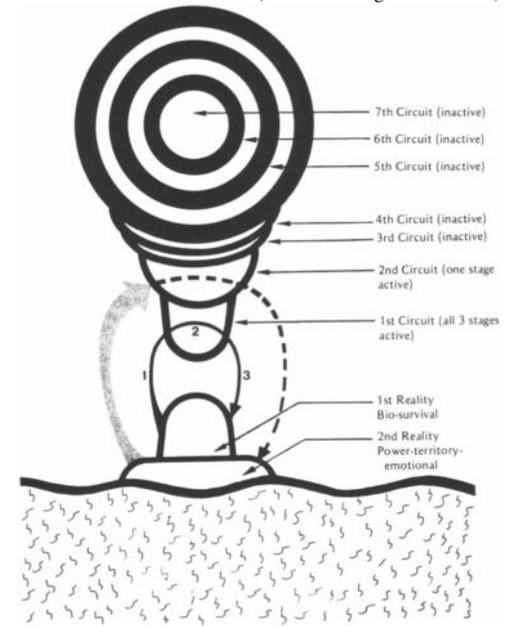
Phylogenetically this stage produces animal forms which operate as “emotional loners,” surviving without group cooperation.

This stage is personified in primitive psychology as Gemini, High (Sly) Priestess, Hermes-Mercury (female—Mercuria, Hermia).

The Zodiac symbol for this stage is Twins—an ambiguous and confusing label. Gemini is better described by such animals as otters, jackals, foxes, rodents—creatures who survive by means of stealth, rapidity, agility.



STAGE 4 GEMINI NEURO-MUSCULAR RECEPTIVITY (Child learning how to walk)



Stage 4 begins when the child begins to crawl and walk. The neural wiring of the muscular circuit is turned-on. The receptive stage of the 2nd Circuit involves mobility, evasion. This stage is mammalian. The human who is wired to favor this role is called Gemini and all through life tends to emphasize cover-up and agile mobility.

The receptive exploratory phase of the Second Circuit; emotional passivity, the selection of a terrestrial survival style—evasion, stealth, camouflage, secrecy, shifting flexibility, yielding. The underworld. Self-definition as a mobile, musculotonic, agile mammal.

Mammalian locomotion technology—the emergence of paws and muscles designed to produce speed, agility and evasive flight. Survival through secrecy and evasion. In the species this stage involves SMALL MAMMALS. In the individual, this stage portrays the child learning how to walk, run and sense hive cues which signal power and status.

This brain is still wired into your nervous system and can be activated—allowing you to relive the mobile-animal experience.

The Second Circuit manifests as muscular skill, emotional politics. Stage 4 represents the weak side of the eternal gravitational (up-down) polarity—the down-trodden, the up-start, the young, the rebellious, the helpless victim, the wily small, the female-male, the boy-girl. Cunning, furtive, crafty, smooth, deceitful, underhand. Bewitching, beguiling, enchanting, charming, fluent. Sly, mysterious, enigmatic, veiled, paradoxical, two-faced, two-sided. SHE mirrors, imitates, reflects, echoes, simulates, feigns, dissembles. SHE is quicksilver.

The input stage of the Second Circuit. As all learned emotional response is play-acting, the Priestess is the *prima donna* supreme. SHE has learned that people gain attention and status from their emotions, and is learning how to develop emotion-craft of her own.

The *attitude* is mercurial; sliding to avoid pressure from above; the passive evasion of the young and small. The motion is swift, changing. The direction reactive, adapting, supple. SHE has just migrated from the amphibian shoreline and is developing the myriad ways of specialized adaptation to terrestrial life.

To get into your Stage 4 wily rodent brain:

- Hang out with some 3 year olds.
- Run through the woods or your neighborhood jungle with rabbit brain.
- Think of a clever robbery; then an anti-robbery secret gift.
- Perform a clever scam; shop-lift and then secretly return the item.
- Think of all the weasel scams everyone is pulling on you!
- Indulge in evasive athletics.
- Practice lying with someone who enjoys the game.
- Get drunk—then your suspicious rodent brain will really take you on a trip.
- Make a mammalian friend; a cat, dog, etc.
- Get very high and share their reality.
- Imagine a sexual affair with a beautiful rodent; re-live the moment-to-moment reality of a small mammal for an entire day.
- Read *Watership Down* and then re-create your own version.
- Spy on someone else and then secretly perform a funny act of precise affectionate surprise.

STAGE 5: EMOTIONAL INTELLIGENCE

The musculotonic Second Circuit is upward and mobile—programmed to avoid helplessness, master territory, attain autonomy.

Gravity and territory are basic factors in the evolution of life. A new neural circuit is activated to facilitate the transition from marine to land-life. Survival on land involves control of turf; the strength or cunning to hold territory for food and for breeding. Complex strategies are developed by the various mammalian species: muscular power, speed, camouflage, evasion—all designed to get-out-from-under.

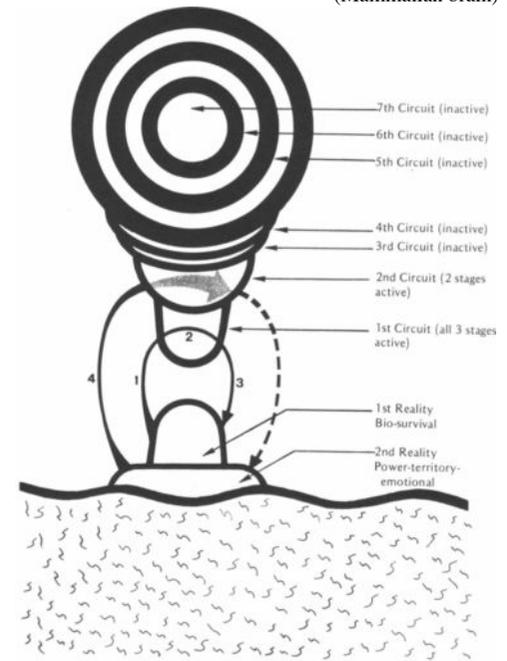
As the human child begins to walk she begins to sense the complex web of emotional hierarchy which comprises the Second Reality of mammalian Politics. The selection of the appropriate emotional-political response is determined by the Second imprint. There are times to approach, avoid, attack, dominate, submit, give or take. To learn the complex nuances of pecking order, dominance hierarchy, territorial status is survivally important for the mammal and for the young child. Motor-muscular responses are no longer automatic approach-or-avoid tactics. Incoming signals are scanned, evaluated, interpreted by the jumpy, nervous Second brain and the appropriate emotional response selected.

This stage is personified by the Zodiac Cancer, the Tarot Emperor, the Olympian Hestia.

The Zodiac symbol for this stage is the Crab. A better neurogenetic totem for this stage is a centaur with the face of Leonid Brezhnev, or perhaps a cigar-smoking dinosaur.



STAGE 5 CANCER NEURO-MUSCULAR INTELLIGENCE (Child learning to control gravity-territory) (Mammalian brain)



Stage 5 begins when the walking child begins to understand and evaluate mobility and muscular actions in terms of control, status and freedom. This stage is mammalian. The human who is wired (genetically) to favor this role is called Cancer and throughout life tends to emphasize possession, control, centrality of position.

The mid-brain, mammalian intelligence that seeks to establish hierarchical dominance and territorial control. The school-yard bully. Muscular aggression, lumbering control of territory. The Technology of Animal Power and Emotional Status. Most human emotions trace back to the 5th Stage of Brain Development. This stage mediates the child's linking its nervous system to the power establishment and the emotional network of the local environment—namely the home and neighborhood.

The impulse to acquire, grow unrestrictedly, spread over the land. Later brains symbolize and civilize this enduring self-actualizing control—but behind the security-giving, mortgage-deed paper work and behind the moral claims which appear in later stages, there still lives the aggressive mammalian control brain. The armed police. Each of us survives because our mammalian territorial brain creates the real, the symbolic and the moral home-turf we inhabit.

The integrating, active, self-actualizing function of the Second Circuit. The emotional intelligence designed to acquire and control territory, maintain autonomy, crawl upward against gravity, adjust behavior so as to avoid helplessness. The musculotonic ego.

The Ego as decision maker. The moody, hypothalamic dictator located in our mid-brain who can command the ATP muscular-adrenaline armies and endocrine brigades to retreat, evade, attack, dominate—all in order to control.

The infant learning to throw a “temper tantrum” and thereby gain attention, status, control; the child as “dictator.” The *alpha male* in ethology; the baboon's tribal leader, jealous, brutal, quick-tempered. The “male chauvinist pig” of Womens Liberation polemic.

The voice that speaks in all lyrical poetry of a hortatory, inspirational or uplifting variety: “I am the Master of my Fate; I am the Captain of my Soul.” Most of the selections in grammar school English Literature texts are programming manuals teaching the children how to develop this mode of Ego; only in college is one admitted to the knowledge that there are other modes. And the hero in popular films, books, TV etc. is always the person who acts as every Emperor wishes to act: “on top of” the situation at all times.

To get into your Stage 5 spoiled-possessive mafia-capo brain:

- Hang around a pre-school playground.
- Throw your weight around!
- Think, dream, or fantasy about defeating and humiliating everyone.
- Act like the absolute ruler of the world.
- Indulge in strength competitive athletics and win or imagine you won.
- Think of all the people who want to keep you from your goals; in your mind defeat them.
- Be Stalin or Idi Amin for a while.
- Reward everyone in the world for admirably following your rule.
- Get drunk and tell everyone, loudly, what you think of them.
- Go to the zoo; get loaded and psych out the lions and tigers.
- Make love fiercely, possessively, staking out your animal claim on the mate under you.
- Imagine you are a Mafia Capo ruthlessly extorting and coercing.

STAGE 6: EMOTIONAL FUSION

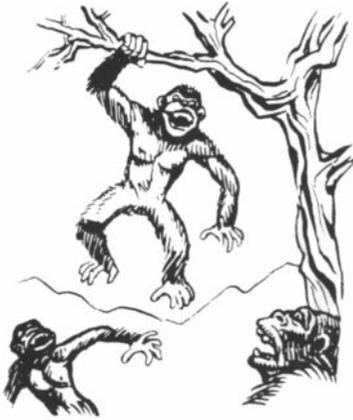
The next stage of neuro-muscular adaptation involves group communication and cooperation among members of the insect colony, the primate troop, the beaver colony, the herd, the human group.

Intricate social networks emerge. The individual's survival depends upon discriminating social differences and fitting into the social web. The organism inhibits some autonomy to adjust to the group. Division of emotional role, social fusions appeared in human evolution when the pre-humanoid primates formed hunting packs and hierarchical social units.

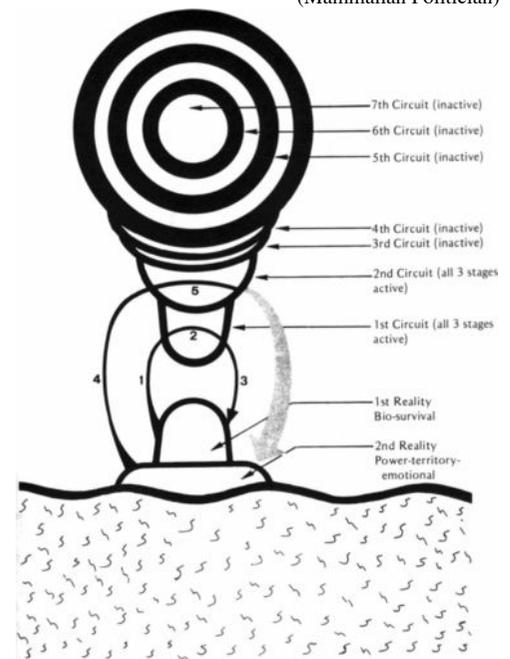
The Second Circuit imprint determines the emotional style, the interpersonal ego which persists into maturity.

This stage is personified by Leo, High Priest, Apollo/Amazonia. The mammalian politician.

The neurogenetic totem is Lion-Lioness. The 5th Stage—Cancer—grabs and holds. The 6th Stage Leo manages—dominates through political linkage.



STAGE 6 LEO NEURO-MUSCULAR LINKAGE (Child Imprinting a Dominance Role) (Mammalian Politician)



Stage 6 is activated when the child establishes Hir methods of domination, makes the group-herd linkage for maintaining territory. This stage, phylogenetically, is that of the social animal, the mammalian politician. The human who is genetically wired to play this role is called Leo; and all through life emphasizes social dominance.

The emergence of social communication technology—gestural, not symbolic. This is monkey-talk. The 5th Stage Mammal, no matter how big and fierce, is a loner. The primates gained territorial control by going higher—elevating themselves from four feet, climbing trees. The monkey troop is the first political technology used for survival. The POPE comes after the EMPEROR in the Tarot order—signifying that Papal Politics—communication—is superior to brute muscular power. In the species this stage defines the MONKEY BRAIN. In the individual this stage is the pre-verbal child who communicates through troop language. Kids' gangs. Jungle Jims and Jungle Janes.

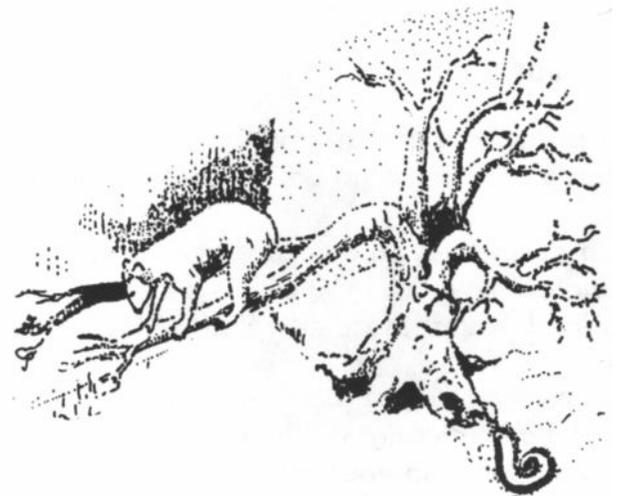
In modern days the school teacher is for many the immediate symbol of socialized emotions—a state employee passing on and enforcing the ruling style.

Organization, law, bureaucracy, titles, administration. Politician. Chairman. The person around whom the emotion network centers. The Pope has no armed division, but rules through monkey symbols.

The **attitude** is vertical, directing energy in the form of signals to others in the troop. The aim is not commanding power but popularity.

To get into your Stage 6 Monkey brain:

- Hang out in a pre-school playground.
- Look down from a high building on the insects and animals below.
- Imagine you are a monkey in a secure tree looking down on the jungle below.
- Do something loud & startling that will attract everyone's attention.
- Use your experience and acting ability to convincingly scare a person younger than yourself. Now understand what past-oriented religions are about.
- Imagine 24 ways you could communicate an imaginary danger that would press the monkey-panic buttons of any current human hive.
- Meditate on the dramatization of danger by those who control the current human troops.
- Read "The Life of the Baboon" by Eugene Marals.



STAGE 7: RECEPTIVITY OF LARYNGEAL-MANUAL SYMBOLS

The Third Circuit emerged phylogenetically when the left hemisphere of the cortex developed its specialized function of mediating dexterity, manipulation of artifacts and management of the nine muscles of the larynx which perform symbolic speech. The paleolithic hominid.

The first stage of symbolic intelligence is receptive, imitative, self-centered. The paleolithic finding bones and stones. The child accepting the symbols presented by adults, mimicking. The adult who uses symbols irrationally, as magical repetitious tokens.

At this first symbolic stage there is no inventiveness, no conceptual thinking, no engineered manipulation. Repetition is the mode of thought and action. Satisfaction comes from grasping the given symbol. Rote performance.

Primitive human social groups do not progress beyond this stage of symbolic passivity. Certain individuals, because of genetic template or imprint, do progress beyond this mental level.

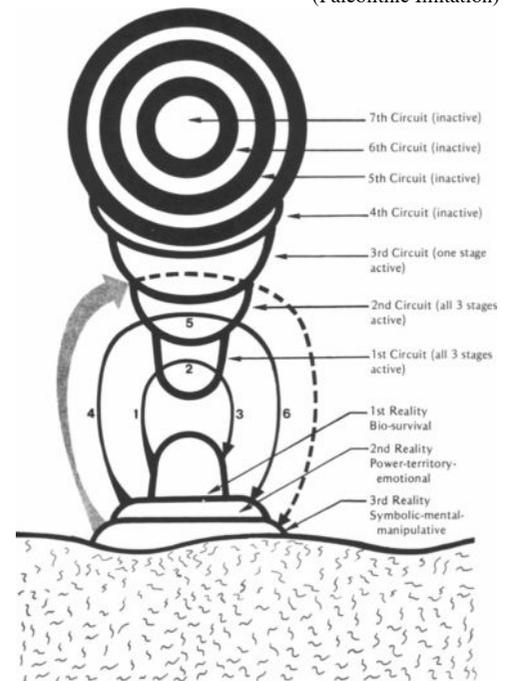
Stage 7 repetition of symbols is flamboyantly illustrated by intellectuals and philosophers who learn how to reproduce words and then repeat them dexterously—a simple feat of muscular manipulation which is most impressive to themselves and others.

Stage 7 has been personified as Virgo, Tarot Adolescent Lovers, and Olympian Diana-Minerva-Narcissus-Hyacinthus-Echo.



STAGE 7 VIRGO LARYNGEAL-MANUAL SYMBOL RECEPTIVITY

(Child learning to talk and manipulate dexterously)
(Paleolithic Imitation)



Stage 7 is activated when the child begins to talk and manipulate artifacts. Note that Stages 8 and 9 are ready to be activated. This stage phylogenetically is early primate. The human who is genetically wired to play this role is called Virgo.

Your nervous system still contains the circuits first activated in the paleolithic era and used by you when you first learned to mimic and parrot symbols—to say the right words to get what you want. This stage operates whenever you use symbols or artifacts in a routine-repetitive way. With child-like seriousness.

Discrimination without original thought is Superstitious Ritual. Magic is the use of energies you don't understand. In the Species this stage is THE PALEOLITH—dumbly and docilely using stones and words that have been given. In the individual, it is the 5 year-old child learning to talk and read and manipulate—without understanding the semantic origin of the symbols. Self-definition in terms of imprinted hive cognitive structures—learning how to be a sane member of the hive.

Stage 7 is the first mental stage, passive, magic-obsessed, credulous, unquestioning, mimicking. Communication and mentation is rote and repetitious. A, B, C, D, E, F, G. One, two, three. Red, white, blue. This parrot use of symbols is basically magical and ritualized. The seventh brain is wired to reproduce symbols. The style, order and arrangement of the symbols are precisely imitated. Thus the familiar Virgo fussiness. The paleolithic human uses the tools handed down exactly as his forebears. Or passively searches the stream beds, rock quarries, and play pens for the already formed tool. She is not yet a tool maker, fire-user, toy-maker. This is the hunter-gatherer period. Caves rather than constructed shelters. Finding rather than making. Repeating rather than thinking.

The True Believer, the docile repeater of religious, political, or racial slogans. Stage 7 individuals are irritated and threatened by attempts of the Stage 8 intellect to test or revise the semantic reality of symbols.

To get into your Stage 7 Paleolithic brain:

- Spend time with a kid learning how to communicate in clichés.
- Be finicky; look for minor errors in everything you or anyone else does.
- Memorize some splendid platitudes.
- Observe (or tape record) your own behavior and identify 90% that is parrot-charade.
- Imagine you are a paleolith with no responsibilities except dancing around stealing, raping, taking what's been provided.
- Then meditate on the basic fearful-loser "blues" of the modern urban paleolith who doesn't understand the social-technology of more advanced castes.
- Visit the nearest ecological niche (in the slum of the nearest city) where the steal-anything-in-sight-hunter-gatherer-welfare people hang out. Be them! Share their ghetto joys, weep for their helpless confusion. Plan to figure out a solution when you have activated more advanced circuits.

STAGE 8: LARYNGEAL-MANUAL SYMBOLIC INTELLIGENCE

As the Third Circuit emerges the child quickly learns to perceive the world through manipulations of the laryngeal cartilages and the manual muscles.

The infant's reality is defined by the First Vegetative Circuit.

The pre-verbal child's reality is defined by the Second Circuit—gross musculature mediating locomotion and ascension.

The Third Circuit is located in the left-cerebral hemisphere which controls the nine muscles of the larynx and the fine-muscles which govern dexterity.

The receptive stage of this circuit (Stage 7) involves the passive repetition of laryngeal and manual sequences. Word magic. Superstitious symbolism.

Stage 8—the third brain integrates symbolic-signals, relates, evaluates, coordinates symbolism.

The importance and pervasiveness of the laryngeal-manual cerebrotonic reality has not been understood by psychologists. The technological human is almost entirely surrounded by artifacts. Placed naked in the wilderness without artifacts SHe can exist only to the extent that SHe can immediately manufacture a new reality of artifacts.

The operation of the laryngeal-mind is even more ignored by philosophers. Sanity and survival depend on the learned ability to manipulate the vocal cords with adequate skill. All thought and almost all mental consciousness is **performed** by silent laryngeal muscle movement.

The Eighth Stage of species and individual evolution concerns the executive mastery of these two precise muscle systems—larynx and hand—mediated by the left hemisphere of the brain.

This stage is personalized by Libra, Olympian Psyche-Mnemosyne/Prometheus and the Tarot Chariot.

You have a Neolithic brain which was activated around age six—and which still functions every time you make up your mind or move symbols around in a way that is “your way.” At this stage of your own development (and in the evolution of the species) the game gets more serious. You realize that your skills and abilities are different from others. You conceive of yourself as a person with special mental personality.

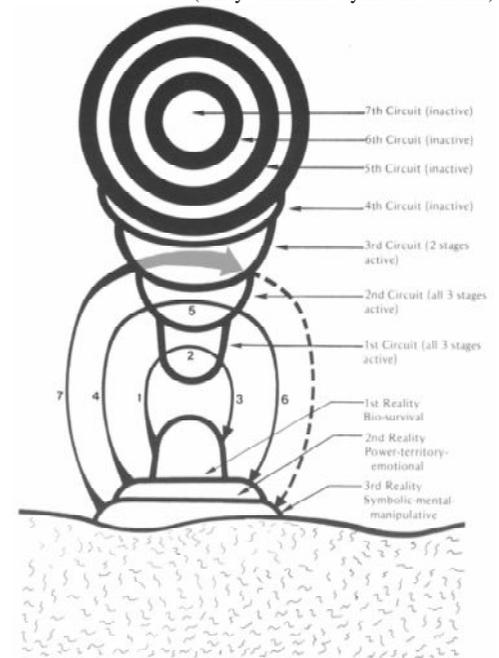
Stage 8 is The Cognitive Mind integrating, synthesizing, organizing the Stage 7 symbols and inventing new combinations and creating new artifacts. This is the stage of Symbolic Self-actualization—the realization that one can take responsible-direction of symbols—think independently. In the species this PROMETHEAN BRAIN manifested in the Mesolithic Age—when humans first used Laryngeal-manual technology to create new forms. The lone crafts WoMan. In the individual this occurs when the child begins to think, to create personal patterns. In Catholic terminology, the Age of Reason and Choice.

To get into your stage 8 Neolithic brain:

- Hang out with a child learning to think and invent.
- Think of a new way of saying anything-everything.
- Say “yes but” or “on the other hand” to everything you hear.
- Live in your own thoughts.
- Imagine yourself as the first neolithic person to discover fire, plant seeds, domesticate animals, make a wheel.
- Invent a utopian society, then find all the flaws in it.
- Spin out a conspiracy-salvation theory or the universe based on one theme.
- Figure out a way to please everyone so they'll leave you alone.
- Take any idea with fanatic seriousness.
- Make diagrams, lists that explain and relate everything.

STAGE 8 LIBRA LARYNGEAL-MANUAL SYMBOL INTELLIGENCE

(Child Learning to think symbolically)
(Early Scientific-Symbolic Culture)



Stage 8 is activated when the child begins to relate symbols, “think.” This stage phylogenetically is primate. The human who is wired, genetically, to play this role is called Libra.



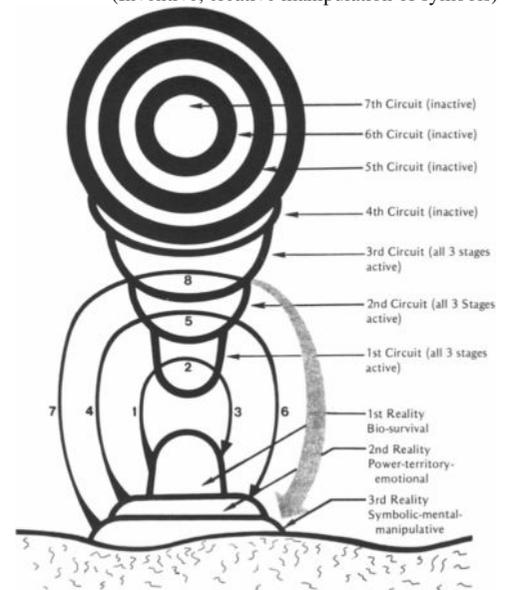
STAGE 9: SYMBOLIC MANIPULATION

The development of L.M. intelligence involves communication of symbols—symbol inventiveness and creativity. The breaking-up of routinized symbol sequences and the creating of new symbols and symbol connections. The Bronze-Iron Age hominid is the prototype. Chopping, mining, melting the natural forms. The creative use of fire. Creative craftsmanship.

At certain epochs of history, social groups and individuals have specialized in fissioning static, routinized symbol sequences and creating new fusions. Each individual during the pre-adolescent stage develops his own style of communication. While some are genetically pre-programmed to play this symbol-rearranger role in the larval community, each individual passes through this stage in the cycle of personal evolution. This stage is personalized by Scorpio, Tarot Strength, and Greco-Roman Minerva-Athena-Vulcan-Theseus.



STAGE 9 SCORPIO LARYNGEAL-MANUAL SYMBOL MANIPULATION (Inventive, creative manipulation of symbols)



Stage 9 is activated when the primate begins to invent symbols and create new connections. This stage, phylogenetically, is usually considered primitive, precivilized human. The human who is genetically wired to play this role in the 12 unit human group is called Scorpio.

This neural circuit becomes dominant in pre-teen years when you learned how to operate in kid-teams and organized groups. At this stage in your temporal caste development it gets even more serious. You begin to understand that your special skills and aptitudes must fit into the division-of-labor system of your culture. Your new neural equipment blindly reaches out to imprint a group, a band, a club, a tribe to belong to. Before this stage you wanted to do everything your own way. Now you select specific skills or you brood because you can't.

The Division of Labor period of evolution. After different persons began to create new, individualized, methods of creating laryngeal-manual artifacts—the Age of Specialization begins. But a world filled with Independent Librans—each joyfully driving his own chariot is chaotic. Once Mental Self-Actualization begins—then inevitably the next stage follows. The independent alchemists and inventive thinkers find it necessary to link-up in technological communities. SOCIAL COOPERATION, trading, at the artifact level. In the evolution of the species this stage occurs when trading-industry centers are formed. Caste guilds emerge. In the individual this appears in pre-adolescence—when clubs, gangs, hobby and athletic groupings appear.

This Brain circuit is still wired into your nervous system, allowing you to Time-Travel back and re-experience like a swarthy, tribal, Mediterranean-Wheeler-Dealer-Trader. And, in tender nostalgia, to relive your pre-teen club-cubhood.

Stage 9 involves social linkage for technological success. The *attitude* is active, open, sharp, shrewd. Marketing intelligence, externalized in systems of business, science, manufacture, symbolization. Competence in sensing the rhythms of supply and demand.

Success won by organizing rather than force. Educational bureaucratic awards, teacher status, reputation, wealth, possession, credit. Occupational and professional rank.

To get into your stage 9 brain:

- Hang out with a group of pre-teens.
- Meditate on the division of labor-roles involved in any social group.
- Imagine living in a caste-society like modern India or pyramid-Egypt.
- Dream-up a relevant totem animal-plant-or-symbol for different occupational castes operating today in modern America.
- Re-vue the trip of a Phoenician trader travelling the Mediterranean persuading different neolithic craftsmen to trade and barter with you.
- Figure out how money-trade-and commerce developed.
- Read about and then experience the history of a caste-tribe like the Jews or the Celts.
- Join a team sport.

STAGE 10: SEXUAL-DOMESTIC RECEPTIVITY*

The Fourth Circuit of the nervous system is activated at puberty when the anatomy of the body matures to breeding status. The new generotonic neural wiring mediates a more complex level of contelligence and creates a new reality dominated by sperm-egg urgency and domesticated sublimations of sexuality.

In the evolution of the species, Stage 10 emerges when the Iron Age technology makes possible mobility of armed bands (traveling in ships constructed by the use of metal tools) which initiates the proto-imperial predator state—male-oriented, macho, free-booting, warlike, lawless, rapacious. This Homeric phylogenetic stage, of course, is recapitulated in adolescence of the human being. Females, at this stage, are sex-objects, pretty possessions, Playboy pin-ups, Venus-Aphrodites.

The first adolescent stage of neurosexuality is explorative, receptive, self-centered, self-defined, orgasm-oriented and narcissistically undomesticated.

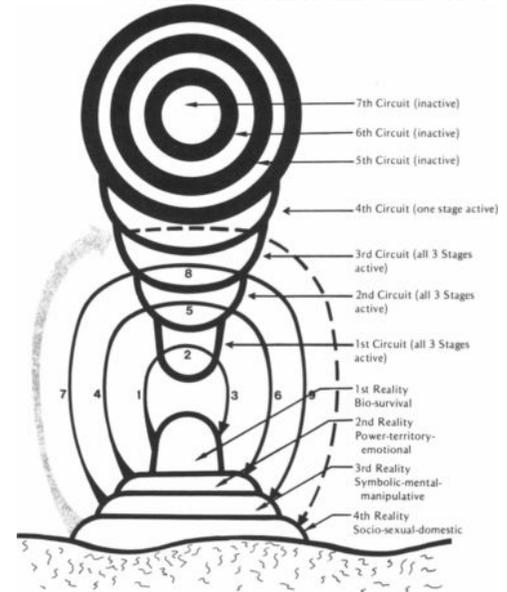
During this stage the sexual imprint is laid down, the Fourth reality defined and a sexual-impersonation role selected. Sex-role experimentation is passionately conducted. Contelligence is obsessed with courting rituals, display, sexual exploration—or, if the genetic template is neuter and/or the sexual imprint renunciate, the energy is diverted towards intense commitment to non-genital social roles, adolescent idealizations, obsessive anti-sexuality, romantic displacements. A confusing aspect of the pre-procreative sexual stage is that social pressure can stimulate behavior for which the nervous system is not geared, leading to passionless copulatory role-playing on the part of the genetically neutered and highly charged asceticism on the part of those whose sexuality is socially inhibited.

The Fourth Circuit defines soc-sex roles which differ as much as the caste types in an insect colony. A large percentage of humans are not designed for pro-creation and parenthood but neurogenetically wired to play other domesticated roles. Phylogenetically, the Fourth Circuit emerged when homo sapiens evolved from the late Bronze-Iron-Age social group in which there was no role differentiation among males or among females (except for power-status) and developed the complex social structures of urban civilization.

Stage 10 has been personified as Sagittarius, Hermit, and Mars-Venus-Ares-Aphrodite.



STAGE 10 SAGITTARIUS SOCIAL-SEXUAL ROLE SELECTION



Stage 10 begins at adolescence when the sexual machinery is turned-on and the 4th Circuit is activated. At this time the sexual imprint is made; a sex-role impersonation is developed. Phylogenetically this circuit defines the Homeric Ape, the Civilized Larval. The human who is genetically wired to play this role is called Sagittarius.



The self-indulgent stage of Sexual Socialization, Sexual impersonation. Sexual energies expressed not as Parental Domestication but used for self-definition. Sex-role is used as civilizing technology. In the species this stage is barbarian-war-chief-feudal-kinship. In the individual this stage is Adolescent.

This Brain Circuit (which was activated by DNA when monotheism became the urbanizing-collective signal, around 3000 years ago) is still wired into your nervous system and can be dialed to re-experience the bravura-macho-monarchical trip. And, as a flamboyant fringe-benefit allows you to re-animate your intense-self-defining-idealistic horny adolescence.

The Tarot card Hermit portrays the passive-receptive exploratory neotenous phase of the Fourth Circuit. The awakened sexual system, before commitment to parental role or domestic responsibilities, i.e. before commitment to an adult specialized survival technique. Here is the post-pubertal body, fully equipped sexually, but uncommitted to sperm-egg linkage. The perpetual adolescent. Fascinated by sex but not ready to domesticate as parent. Self-Defined in terms of sex-role.

Evolution and Futation operates through Paedomorphosis or Neoteny—i.e. change-development by the pre-adults of the species. A tribal society cannot provide the affluence and leisure necessary to produce a carefree, self-indulgent caste. Feudal-monotheism is the necessary stage which produces an affluent-aristocracy which disdains work and survival duty and is thus free to experiment

* *The Individualist; called Hooligan by the Soviets.*

aesthetically, philosophically, scientifically. It is necessary to have a hierarchical kingdom before Philosopher Kings can exist. Feudal-monarchy is designed to encourage Neoteny, spoiled, frivolous elites who are sexually active but not bogged down with parental duty.

The *attitude* is youthful, histrionic, change-able, intense. There is no one quite so titillated by sex as the prudish virgin. Sexuality expressed in religiosity, flirtatious aesthetics. The self-centered, swarming gregariousness of the adolescent. Avoidance of marriage and the adult responsibility of the parental state.

Flamboyant chastity, tactless naiveté, obsession with gender impersonation. The excitement of foreplay socialized as fashion, style, fad. Youthful charm, enthusiasm. Frank, earnest, sincere ingenuousness. Behind the juvenile silliness is the serious business of speciation. Rejection of Terminal Adulthood.

The Tenth Caste is the post-pubescent who imprints a celibate sex role or who indulges in self-gratifying sexual activities basically masturbatory even if another is involved. The Latin Lover, the Playboy, the tease, the homosexual. The sexual impersonation phase through which every human passes.

The Tarot cards were designed in a pre-technological era when there was no conceptual knowledge of neoteny, of the pre-adult sexual impulse. No understanding of the crucial genetic significance of extended adolescence, of postponed adulthood. No insight into the difference between robot impregnation sexuality and pre-parent sexuality that expresses itself in aesthetics, erotics, romance, poetry, inhibited sublimation, broadened search for identity, new forms of caste differentiation. This we are not surprised to see this structural and temporal imprint-mode portrayed by the renunciate figure of the monk (tarot card Hermit). She is bachelor-spinster turning away from the uterine Wheel of Parental Adulthood (Caste 11, the integrating-mind of the Fourth Circuit).

The Hermit-monk rejects or post-pones hive-parental responsibility and searches for a new way, a higher role. Monkish renunciation of sex is a luxury available only in an affluent culture which can afford to let able-bodied fertile young men and women avoid parental responsibilities and hive work duties. Extended adolescence is the genetic blossom of the successful species, the key to evolution.

To get into your stage 10 Spoiled Adolescent brain:

- Meditate on the 300 million Arabs who fanatically believe that there is only one God, a vengeful monster named ALLAH and that all non-believers (and even neighboring believers) should be killed.
- Meditate on 300 million Catholics who are taught that there is only one God, a vengeful, litigious monster whose only son must be worshipped to avoid eternal damnation.
- Figure out why Islam and Christianity have developed the most aggressive military organizations in history and why it was necessary to scare domesticated tribal primates this way in order to create technological societies.
- Then hang out with teenagers—low-riding punks, Jesus Freaks, ghetto gangs.
- Go to movies that teenagers like.
- Imagine you are a medieval princess fucking any and every person you know or desire.
- Review your own adolescence as a period of hungering for and rejecting Adult-specialization.
- Read *A Clockwork Orange*, by Anthony Burgess.

STAGE 11: SEXUAL DOMESTICATION, PARENTHOOD*

The Fourth Circuit creates the parent-family-oriented social reality.

When this circuit is activated the soc-sex imprint blindly registers the object in the environment which becomes both trigger and target of the sexual domestic impulse.

A complex genetic pre-programming defines the kind and amount of soc-sex types necessary for the preservation of the extended-family. Just as the “DNA brain” of the insect colony activates the appropriate number of workers, drones, warriors, so does the “species brain” of **homo sapiens** produce the breeding types of humans.

Larval humans are unaware both of their function as “seed-carriers” and of the genetic role they are programmed to play. Some are sexually neuter, others designed for parenthood. It is a simple matter to identify the soc-sex role of humans even as early as the onset of puberty.

The variety of genetic and neural human types causes considerable confusion and social conflict. Laws, ethical codes and educational methods assume a homogeneity which does not exist. Human society is a Darwinian jungle inhabited by a broad evolutionary spectrum. The Fourth imprint channels and conceals these genetic differences by hooking the nervous system to standard social models. The human is domesticated via imprint to respond in conventional family patterns—including aunts-uncles, grandparents, etc. At the time of impregnation, powerful bio-chemical and neurological changes occur which produce nesting and child-protective responses. Even those who are not parents are programmed to value and moralize the welfare of children.

The 11th Stage of neural evolution (Parental-Domestication) is personified by Capricorn, the Wheel of Life, and Juno-Hera-Jupiter-Jove.

While the 11th Stage is inclusively domestic—involving all the parental roles of the extended family—the slot is basically female. Historically the family-centered society replaced the male dominated predator state with the more gentle intercourse of trade and family-model companies.

In this connection it is useful to recall that each neurogenetic slot is basically male or female. While every developing human passes through each stage—effectively or neurotically—there is a basic, rhythmic alternation between male and female stages.

An interesting helical unfolding of alternate sex roles is involved in neurogenetic evolution.

The male Pisces is the male version of the female stage. A female Leo is the feminine, Amazon version of the male stage.

We note the difficulty in finding Greco-Roman divinities for the male counterpart of Pisces—Persephone, Taurus—Demeter, Cancer—Lares-Penates, Virgo—Diana, Scorpio—Athena. And we note the similar problem in labelling the female counterpart of Aries—Neptune, Gemini—Mercury, Leo—Apollo, Libra—Prometheus.

Sometime between the ages of 20-25, a miraculous metamorphosis occurs in the neurology and behavior of the human being.

Domestication. The wild, selfish, idealistic, barbarian teenager mutates into a prudent, practical, docile, productive young adult.

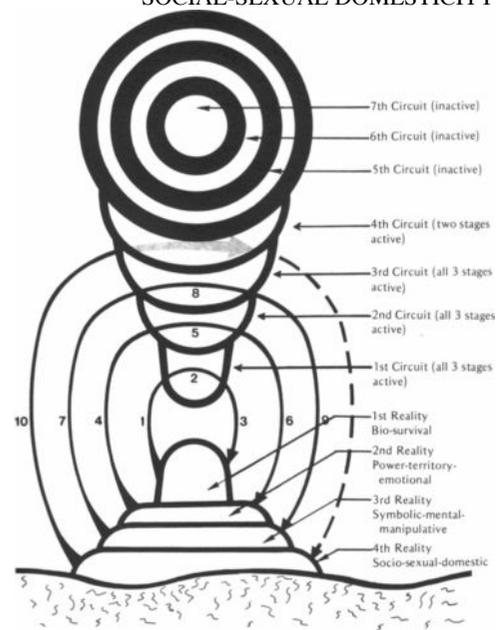
This usually occurs when conception (sperm-egg fusion) occurs. Hormonal, biochemical signals are picked up by RNA and flashed to DNA headquarters. “Attention; this model has imprinted a sexual-impersonation role. Cool out the wild intoxicated hormonal sexual-invitation display.” The specific Stage 11 anti-histone proteins peel off the next section of DNA and the Parental Brain is activated.

Typically this dramatic, all-changing metamorphosis occurs at pregnancy. In the normal course, the young woman is automatically, reflexively fertilized. On a population basis, human pregnancy is as routine as the breeding habits of fish or fowl. However thrilling and chancy to the individual fish or trembling feathered bird—these pre-designed periods of fertility are totally robotized and predictable on a population basis.

Once fertilized the expected changes occur. The physiological metamorphosis—swelling of belly and breasts—are obvious. Equally predictable are the behavioral changes. Suddenly the flirty, skirty, saucy, giggling teenybopper is replaced by a sedate, serene, cautious quiescent matron. Clearly



STAGE 11 CAPRICORN SOCIAL-SEXUAL DOMESTICITY



Stage 11 is activated when the nervous system imprints a Sperm-egg Sexual Impersonation. Phylogenetically this stage defines the family-oriented civilization which precedes the collectivist state. The human who is genetically wired to play this role is called Capricorn.

* *The Bourgeois Human.*

a new brain has emerged—obsessed with nesting, stability, “forever-mine” security.

Less obvious are the changes in young males moving from the Tenth to the Eleventh developmental stage. Teenage hormonal hurricanes naturally pile up hormonal debris and testosterone-byproduct pollutions, which, in time, signal DNA that the next stage is ready to be scheduled.

The 11th Stage (Capricorn) is activated in the young male when he has selected his sexual-impersonation role and focussed his wild-scanning, ovary-hunting antennae. The sex roles selected are not necessarily parental. Just as adolescent sex-role-scanning can and does range wildly from promiscuity to monkish renunciation, so we move through a wide range of domesticated socio-sexual realities. Many non-parental roles are harnessed together in the domesticated society—nurses, teachers. Indeed, all domesticates are offered and encouraged to ply non-parental roles as long as they contribute somehow to the ethos. Virgin celibates like J. Edgar Hoover and Pope Paul are the staunchest supporters of family life.

To get into your stage 11 brain and experience like a worrying-moralistic parent home-owner ruler of your own cozy niche:

- Read the Dear Abby column or FAMILY DAY magazine.
- Watch Pat and Debby Boone or the Osmonds on T.V. and figure out why an Osmond got an ulcer at age 12.
- Examine the pleasures that you have received by acting in a self-sacrificing parental-kid-care role.
- Imagine getting land in an ideal location and building the ideal house for you and your brood.
- Re-experience the feelings of a north-European or English bourgeois breaking out of feudalism to attain land-ownership.
- Read the history of the British transition from feudalism to middle class.
- Think like Archie Bunker; watch the soaps on T.V.
- Reflect on the omnipotent control and pride of the parent over the house-hold kingdom.
- Think W.A.S.P. for an hour.

STAGE 12: COLLECTIVE SOCIALIZATION [INSECTOID]

Collective socialization is obviously the most effective survival device.

Two brained mammals rear their offspring to maturity at which time they become independent rivals. Three brained primates live in packs or groups with rudimentary social organization and sexual differentiation of role. Insects and homo sapiens have developed an invincible adaptive mechanism—the centralized society in which the fate of the individual is subordinate to the welfare of the collective. Both the human individual and the species evolve from Stage 10, pre-parental, self-indulgent, undomesticated predator sexuality, through Stage 11, parental responsibility of the family-centered society, to Stage 12, in which the sexually energized domestic instinct is broadened and sublimated from the family to insectoid society at large—centralized socialism.

Stage 10 sexuality is self-oriented and was developed historically in the Mediterranean cultures—Hellenistic, Arab, Catholic—feudalistic, aristocratic—in which the male uses power for sexual gratification and women are property. This “adolescent” stage of sexual-socialization is at the same time both luxurious-licentious and sternly moral. It is no accident that the Middle-sea cultures produce both Arab-sensuality and Islamic prudishness, Hellenistic hedonism and pre-Christian asceticism, Catholic monasticism and Latin sexuality. The profligate King and the renunciate priesthood. Women as whores or saints.

Stage 11 sexual-domestication is based on the family and developed historically in Northern Europe as the middle-class alliance of brotherhood, fraternity. Incest taboos inhibit free sexuality among siblings.

However appealing this evolutionary period with its democracy, free enterprise competition, parliamentarianism, consumerism, property-rights—it is obviously a less efficient and less successful form of social survival than Stage 12 insectoid collectivism.

Those who have been imprinted with Mediterranean or middle-class democratic models are incapable of understanding the power of the collective-imprint. The deep-rooted reverence which the Mediterranean feels for himself, and the Stage 11 Domestic for family, is replaced by the Stage 12 devotion to the state.

In the collective society, individualism (called “hooliganism” by the Soviets), romantic love, and familial loyalty (called “bourgeois” by the Soviets) are considered evil and treasonable. The child whose nervous system develops in socialist-collectives invests the state with the sublimated sexuality which in pre-socialist societies is fragmented into individual and familial connections. This is to say, the courting activities—dress, grooming, ritualistic expressions of passion, music, romantic symbolism formerly designed to attract a member of the opposite sex are now directed towards winning the approval of the state. Virtue is not in parental terms, but in duty to the collective.

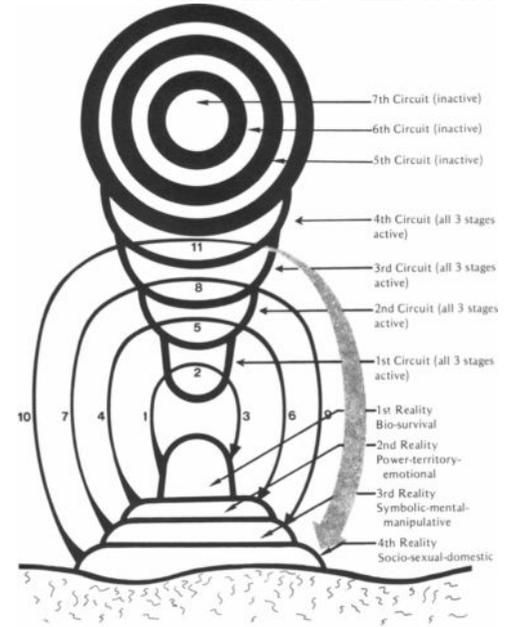
Socialist and communist states are prudish and inhibitory about boy-girl sexuality for powerful neurological reasons. The mating and domestic instincts are co-opted by the state. The nesting behavior, the protective husbandry reflexes now cherish, feed, support and defend the state.

Stage 12 socialist-idealistic sublimation of sexual energies is the final culmination of larval evolution. All the slogans are correct. The organized meek shall inherit the earth. The masses will rule the planet. Insectoid-socialism will dominate.

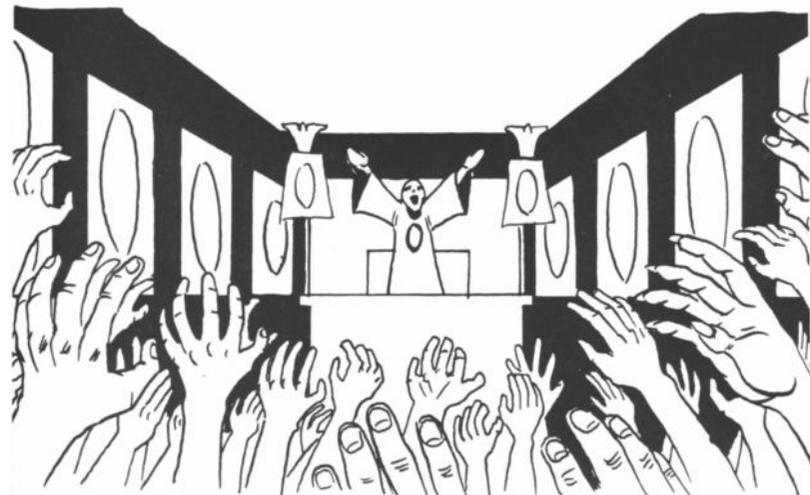
Stage 12 is personified in the Zodiac Aquarius, Tarot Justice, and the Olympian Themis-Nemesis.

Stage 12 contelligence involves a detachment from many of the instinctual neural reflexes which have provided security to developing larvae. The socialist imprint requires that the individual and the family yield to the state the controls and freedoms which have assured survival to the individual in the past. The Second Circuit animal imprint to the home-ground-territory is suspended. No more private property. All the land belongs to the state; or in corporate-capitalist societies the tract-house belongs to the bank and the individual is frequently transferred by the company thus severing the connection to turf. Third Circuit L.M. symbols are standardized. The socialist child cannot “make up his mind” in the educational context of a wide variety of laryngeal-manual muscle systems. The inventive, creative mind disappears. Cultural life-style, sex-role, private modes of sublimated expression which give the illusion of uniqueness to the domesticated larval

STAGE 12 AQUARIUS SOCIAL-SEXUAL COLLECTIVITY



Stage 12 is activated when the nervous system imprints society as its Social-sexual Connection. Phylogenetically this stage defines the Collectivist Society, the Socialist State. The human who is genetically wired to play this role is called Aquarius.



become homogenized (beautiful word) to Soviet or television uniformity.

Although this insectoid, mono-cultism is horrifying in its subordination of earlier human values [individual and familial], Stage 12 is actually an inevitable evolutionary step. Each new circuit of the nervous system leads to a higher level of union-linkage:

1. unicellular forms cluster into multi-celled organisms
2. organisms cluster into territorial packs, herds, groups
3. tool-making hominids cluster into craft-guilds, trade-unions, symbol-sharing collectives
4. families expand into giant centralized states

The insectoid-state-collectives are a necessary step in larval evolution. Only the centralized state can harness the technology to make possible the next evolutionary step—migration from the planet. It is necessary to sever the robot-mammalian connections to the plot of personal territory, to local symbol fetishes, to personal, sexual roles, to family allegiances—in order to be free to mutate. The bird must retract his imprint to the nest in order to migrate south.

The four larval imprints can be seen as landing pods, neural extensions to the placental planet, neuro-umbilical cords to assure fetal survival. The genetic engineering is simple to understand. DNA, at birth, lands on the new planet in an infant's body and sends out, in sequence, four life-support systems:

- ventral dorsal
- muscular
- manipulative (laryngeal-manual muscular)
- sexual-affiliative.

When the four-brained larval has evolved to the level of contelligence which can organize the technology necessary to metamorphize into migratory flight, it is obviously necessary to withdraw the four neuro-umbilical cords from the earth environment. Larval imprints must be retracted. Robot reactions to earth-environment must be internalized. This process has been called “dropping out.”

Here is the paradox of technological mysticism; to go out to the stars, one must go within and master one's own body, one's own brain, one's own DNA.

To leave the womb-planet, WoMan must withdraw attachments to external stimuli. The mystical injunction to sever materialistic desire, to cut-off worldly ambition, can now be restated neuro-genetically.

The directive becomes: attain conscious-control of the four new neural processes which were formerly blocked by the four imprinted attachments.

The four post-terrestrial circuits are time-versions of the four larval imprints.

The four larval circuits mediate muscular control of space-territory.

The four post-larval circuits mediate neurological control of “time-territory.”

The first larval circuit blindly imprints the vegetative body to external endomorphic nourishment. The Fifth (Neurosomatic) Circuit, which is the first post-larval, frees the body from its environmental imprint. To exist in extra-terrestrial, zero-G space the body must be experienced and controlled as a time ship independent of earth-connections.

Stage 1 infantile floating is recapitulated in Stage 13, neurosomatic passive receptivity. The turned-on Hippie is the extra-terrestrial “neo-nate.”

Stage 2, bio-vegetative intelligence is recapitulated in Stage 14, neuro-somatic intelligence.

Stage 3, bio-survival linkage is recapitulated in Stage 15, neurosomatic fusion.

The book **Eight Calibre Brain** specifies how Second Circuit muscular control of territory is replaced by neurological speed, mobility, Einsteinian agility and power; Circuit 2 struggle for territorial power is matched by Circuit 6 control of reality. And Third-Circuit invention and creation (of L.M. symbols) is replaced by the “genius” of genetics. Circuit 3 becomes Circuit 7. Life is an organic evolving amino-acid symbol system; the alphabet of DNA, itself composed by atomic intelligence.

The horrible homogeneity of the Stage 12 mass-cult frees the larval nervous system for migration. Only the organized ant-colony could have produced Almagordo, V-2, Sputnik and Apollo 13. The horror of the corporate socialist state is not the collectivization **per se**, but that the goals and ends to which it is directed are larval-materialist.

The Chinese-Russian and American mass-cults are repulsive because the ideals are chauvinist, competitive, imperialist, territorial. The demoralization and malaise of the great technological empires is due to the purposeless materialism. The boredom and frustration of insectoid larval cultures-over-population: no frontiers to explore, nothing to do except lurch from crisis-to-scandal or provoke quarrels along the Sino-soviet border or the Golan Heights.

Homo sapiens is on the threshold of discovering that expanding contelligence is the goal of the trip. That pleasure resides not in external-materials but inside the time envelope of the body; that power resides not in muscles and muscle-surrogate machines, but in the brain; that the evolutionary blueprint is to be found in the genetic scriptures; that Higher Intelligence is to be found in the galaxy.

Within a decade (i.e. by 1986) the first male-female migrations into space will occur. The neuro-political impact of this domestic migration will be profound. Humans today can look to the sky and know that American male warrior-astronauts walked on the moon, that Pioneer probes have orbited Jupiter. But the effect is uninspiring. Astronauts were robots with whom humans could not identify.

But when humans look to the sky and realize that seed has been sent, that men and women have left the planet for good and are living, making love, cooking meals, and having children—seeking new forms of existence in extra-terrestrial space—the metamorphosis will be a neurological reality. The great mutation will have begun.

The goals of Stage 12 mass-cult will become the exploration of new worlds, seeking, not gold, but the next level of contelligence.

The first step in evolving to post-larval existence is neurosomatic contelligence—resurrection of the body, mastery of the body as time-ship independent of larval imprints. Circuit 5.

Stage 12 is a post-menopausal circuit which fabricates a reality of security-safety-stasis and an expectation of respect-for-the-aged for a job well done. This circuit demands a strong morality-control-conservative ecological surrounding which protects the aging weak and prepares-promises-programs-reassures that onrushing death is a reward.

The final stage of terrestrial life; Hive Authority, Hive Morality, Insectoid Domesticity, centralized religious socialism. This caste is obsessed with death and the chance for the next life. Submission to the Hive Religion provides material security during the aging years and spiritual reassurance. This caste is thus fanatically, desperately, dogmatically moralistic.

The docile, willing enslavement of the death-fearing aging one to the hive-central-state-religion. This stage marks the completion of the human terrestrial cycle. Global socialist-welfare and preparation for post-death transcendence.

Before the 20th century this temporal caste occurred in individuals when the 12th brain, the Neurotechnology of Dying, was activated. Usually at menopause. The young of the species, however, could still get involved in tribal (Stage 9), national (10) and political (11) conflicts or engage in western migrations, scientific progress, socialist-utopian yearnings. During the 20th century the Dom Species became Caste 12. The entire human race began to sense that the terrestrial game is over. Exploration of frontiers finished. Over-population, pollution, diminished resources, Hiroshima-Nagasaki, agonizing discrepancies between the affluent-scientific west and the impoverished-religious east. Doomsday-Armageddon scenarios proliferate. And here come the religious dogmas.

Religion has always been the neuro-technology of pessimistic losers—fabricating a reality in which stupidity, docility and ugliness is rewarded. Beauty, individualism, change, originality is heresy. A sense of weakness and futility infiltrates all the hives. A general recognition that the terrestrial trip is on a down-slide. Pie-in-the-sky-after-life promises are the classic solaces of the failing. You start to die when the Caste 12 button in your brain has been activated.

Those who obey the hive priests will be supported by the insectoid-welfare state and after death will rise to heaven. Those who challenge the Hive Theology—via individualism, pantheism, or scientific experiment—are condemned to eternal damnation.

The heavy stakes in the game explain the desperate-fanaticism of the Caste 12 people. The Hive cannot tolerate any dissent. The Game of Terrestrial Life depends upon uniformity and unanimous acceptance of the Hive theory of post-terrestrial, eternal life.

The *attitude* is insectoid security, hive-oriented submission, dependence on the over-specialized Adult Authority. The English word *religion* comes from Latin *religio* which also means bond. The ropes which tie the hive into a uniform obedience.

The last terrestrial element, representing both aspects of the future: (1) the global, brotherhood-of-man-ism, Egalitarian, prudish. Socialism leading to cyborg-insectoid colonization, and (2) the yearning, prospective anticipations of extra-terrestrial existence and immortality.

The key to a successful Stage 12 imprint is egalitarian fusion of the many castes necessary to operate an urban hive. Fair-play and hive unity—everyone “sacrificing” (to use the word favored by Kennedy, Carter, Mao and all socialist leaders) for the good of the hive. The glue which holds the hive together is the sense of confidence in the unity principle.

Note that megalomaniac totalitarianism is acceptable, indeed, necessary to run a successful socialist unity. At the same time John F. Kennedy was telling the Americans to ask what they could do for the hive, the populace was pleased that the First Lady, Jacqueline, was flamboyantly and conspicuously, indulgently pleasing her own aesthetic desires. In a well run totalitarian society the need for aesthetic-hedonic exhibition is recognized—when limited to the ruling class.

Fourth Circuit schizophrenia occurs when the hive leaders do not accept the caste-pluralism. When vengeful peasants take over and wish to drag the hive down to the equalitarian level of barnyard brutality—e.g. the Soviet Union.

To get into your stage 12 brain and experience like a moralistic, death-fearing, aging-one:

- Watch Sunday morning TV.
- Read accounts of China under Mao.
- Imagine that you are 80 years old, having worked all your life, living on an inadequate pension near a ghetto.
- Read the speeches of Ayatollah Khomeini and Ralph Nader.
- Meditate on your own death; can you develop a fear of dying?
- Cool out your fear of dying.
- Imagine being old and poor and friendless.
- Experience the delicious feeling of Soviet-Christian virtue experienced by a loyal hive member when approved of by the Adult Authority.
- Imagine the anger felt by a fanatic hive-member towards frivolous hooligans who flaunt individualism and mock the hive.

THE TWELVE EXTRA-TERRESTRIAL STAGES OF EVOLUTION

Period	Stage of Evolution
5. Cyber-Somatic Piloting Sensory Info	13. Individual Consumer Hedonism 14. Individual Aesthetic Mastery 15. Hedonic-Aesthetic Linkage
6. Cyber-Electronic Piloting Quantum Electronic Info	16. Individual Consumer Access to Brain and Electronic Technology 17. Individual Mastering of Brain and Electronic Technology 18. Neuro-Electronic Networks
7. Cyber-Genetic Piloting DNA/RNA Data	19. Individual Brain Management through Genetic Technology 20. Individual Mastery of Genetic Technology Information 21. Electronic Networks – Linkage of Genetic Technology Information
8. Cyber-Nano-Tech Piloting Atomic Info	22. Individual Consumer Access to Nano-Tech (Atomic Information) 23. Individual Mastery of Nano-Tech (Atomic Information) 24. Nano Technological Linkage

As we have seen, the first stage of each new evolutionary cycle means liberation from the preceding linkage. Each third stage of each newly emerged neural circuit involves a new, more complex linkage. The activation of the Fifth Circuit, the first post-larval, is an event of great psychological significance and revelation. The umbilical imprints are retracted. A new reality is experienced—a widened perspective in which the previous imprinted survival realities are seen as robot-fractions, no longer limiting or binding. This experience has been described in countless reports by mystics, poets, psychedelic adepts, occultists, and drug users in the language of larval cultures, necessarily vague and subjective.

The basic facts are:

1. that there are other levels of reality beyond the socially conditioned,
2. that these experiences are measurable, predictable, neurological events, and
3. that they can be best understood and classified in terms of the neurotransmitter bio-chemicals which induce them and the circuits of the nervous system which are activated by them.

While there are many systems for classifying the varieties of transcendental experience, exo-psychology defines three post-larval levels of contelligence which are defined by anatomical structure. (Circuit 8 is metaphysiological.)

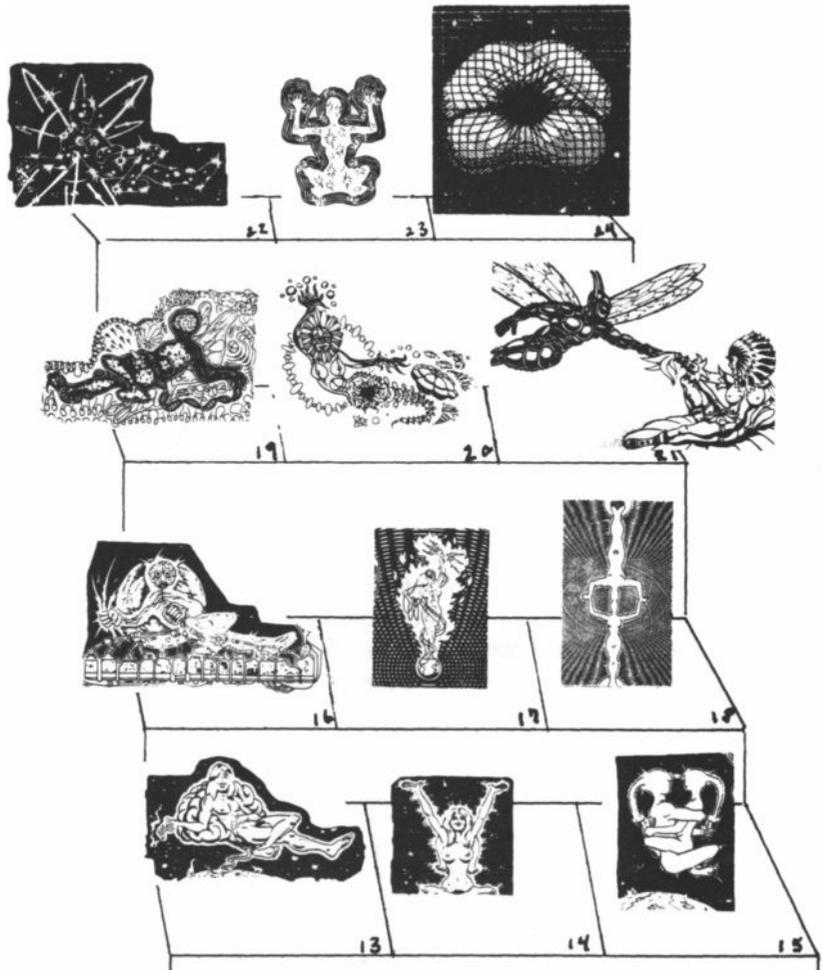
5. **Neurosomatic Contelligence:** body reality. The reception, integration and transmission of sensory-somatic signals,

6. **Neurophysical Contelligence:** located in the cerebral cortex mediating the reality of the brain, electromagnetic signals,

7. **Neurogenetic Contelligence:** transeiving DNA signals via RNA.

The three circuits can be defined not only in terms of neuro-anatomy and by the phenomenological content of the signal-units experienced, but also by the neuro-transmitter substances which activate them.

Larval psychology has not been able to explain the nature or purpose of the three exo-psychological levels of contelligence because they are irrelevant, confusing, and survivally dangerous to terrestrial existence. They are described by such terms as hallucinations, delusions, psychotic states, dream-states—which denote nothing more than that they are alien to normal, domesticated tunnel reality.



The confusion and fear generated by transcendental states of consciousness may be due to the possibility that they are **designed for post-terrestrial existence**.

Neurosomatic chemicals (e.g. cannabis) and neuroelectric chemicals (psychedelic indoles and alkaloids) have been used in the past by shamen and alchemists who have reported mystic, prophetic, other-worldly experiences. Some scholars have asserted that all cosmological religions are based upon visionary experiences produced by sacramental neurotransmitter substances. The opponents of psychoactive drugs correctly complain that they cause “other-worldly” experiences, irrelevant or even dangerous to mundane survival.

These neuro-chemicals have consistently been repressed by larval societies because, by suspending larval imprints, they detach humans from the conventional reality-islands and produce neurosomatic, neurophysical, and neurogenetic perspectives which are alien and disturbing. In the past, the use of neurochemicals has been restricted to intellectual elites, secret cults of mystics.

It would be logical to suppose that a society of caterpillars would be disturbed by the introduction of substances which would prematurely stimulate and activate butterfly contelligence in earth bound creatures. The orderly sequence of metamorphosis would be upset and species survival threatened if a sizable percentage of caterpillars were to rush around communicating prophetic visions of gaudy-winged existence.

Since 1945 the nervous systems and DNA of humans has been exposed to three powerful mutation-causing stimuli which are new to the species:

- **radio-activity due to X-rays and nuclear explosions**
- **electromagnetic and electronic radiation generated by technology**
- **neurosomatic and neurophysical drugs, additives and synthetics in diet, chemical pollutions in the atmosphere.**

Exo-psychology suggests that exposure to these powerful electrochemical energies has set in motion an expected mutational process—that DNA, in response, has signalled the nervous system of those born after 1945 that the time has come to mutate. It is time to begin migrating from the planet.

There is no reason to suppose that television, nuclear fission and fusion, neurosomatic and neuroelectric drugs are unexpected by DNA or are unusual to this planet. The assumption is made that the creation of an oxygen atmosphere by primordial vegetation which triggered off the DNA pre-programmed construction of gills and lungs occurs as a standard evolutionary sequence on every habitable planet. The further assumption is made that electronics, nuclear fission, synthetic chemicals and neuro-active drugs are energy transformations expected by DNA and serve as triggering mechanisms to activate the next mutation. Billions of similar planets have suffered through Hiroshimas, youth-drug cults, and prime-time television. Metamorphosis is surprising to the individual to whom it is happening but not to DNA.

The egocentricity of larval philosophers inevitably leads to frustration and guilt. “Men” who think they uniquely control and dominate nature feel responsible and remorseful when events turn-out to their disadvantage. Over-population and pollution, for example, become “sins” in a new larval-survival morality.

Neurogenetics and exo-psychology on the other hand teach a modest, optimistic trust in the intelligence of DNA. The genetic code knows what SHE is doing. Neuro-active drugs appear exactly when they are needed by RNA. The multi-billion year interstellar plan of DNA is not going to be surprised or blocked by Los Angeles smog, or acid-rock, or Malthusian inflation, or radiation fall-out.

Doomsday scenarios and Spenglerian scripts are larval fears of personal mortality. Eschatological fantasies of the menopausal. We recall that “everyone” thought that the world would end in the year 1000 A.D. How presumptuous of “man” to worry that “he” can do anything—good or bad—to interfere with a multi-billion year old evolutionary process which is unfolding in exactly the same way on millions of similar planets throughout the galaxy.*

Every new level of energy discovered by “man”—chemical, electronic, nuclear—is surprising, dismaying, confusing to the imprinted mind. But to DNA the appearance of new chemicals or electro-magnetic stimuli is simply a signal that a more advanced phase of evolution is about to happen.

The widespread use of neuro-active drugs may be a sign that a new level of contelligence is emerging. Neurosomatic drugs loosen the synaptic connections which define larval reality and dramatically extend and intensify sensory-somatic awareness. Cannabis diminishes emotional, mental, and social commitments and produces a detached, amused hedonism, a heightened sensitivity to raw, direct sensuality.

Cannabis is a neurosomatic trigger activating a new neural circuit. It is no accident that **cannabis** becomes the culture-symbol of the first generation of the mass-technological society.

The discovery of the body, the exploration of the body, the aestheticization of the body is the first step in freeing the nervous system from larval life-lines to the earth—and preparation for zero-gravity.

* *At this exact moment on other planets there are undoubtedly several thousand philosophers imprisoned for mutational ideas typewriting exo-psychological texts and millions of readers, like yourself, uneasily wondering if there really are millions of readers like yourself on other planets, a bit disturbed by the possibility that evolution operates the same way throughout the galaxy and that “today” has occurred millions of times before.*

STAGE 13: NEUROSOMATIC RECEPTIVITY

The first post-larval stage; the body free from the neuro-umbilical imprints ready for zero-gravity existence. This is the recapitulation of Stage 1, when, immediately after birth, the neonate rests without neural links to the environment.

In Stage 13 the body is temporarily detached from external imprinted connections, and becomes a zero-gravity instrument. This is called being “high.” The first reaction to a new neural circuit is exploratory. Intake. Passive receptivity to the new signals. The body becomes the source of pleasure. Self-identification as a Hedonic consumer.

The **attitude** is floating selfishness. Why struggle for external material rewards (emotional, mental, social) which are clumsy artificial symbolic triggers for the sensory-somatic-endocrine experience? The external reward-triggers can be suspended by ingesting the neuro-chemical. After the adult has mastered the four larval survival dials, the robot addiction to the material world can be “kicked.” The high body is natural. “Normal” symbolic reality is seen as larval crutch.

There are four anti-materialist neurosomatic revelations that come to the intelligent drug user—vegetative, emotional, mental and social.

1. Why rely on materialistic stimuli for the feeling of vegetative wellbeing, when a drug can trigger-off cellular satisfaction and eliminate pain?

2. Why sweat and struggle for the material-muscular rewards which give emotional satisfaction—the Cadillac, the title, the house on the hill—when a drug can activate the neural state of freedom? Einsteinian mobility replaces Newtonian pushing.

3. Why go on repeating symbol sequences or artifact-manufacturing processes, why continue stereotype robot mental routines, when a drug can free the mind to make new connections and fresh creative solutions? Why be a machine-like assembly-line reactor, when the loose, relaxed, floating mind can bend, curve and slide symbols in the rhythms and sequences of the natural? Why work when the universe is a playful energy field?

4. And why, for the brief pleasure of genital orgasm, commit oneself to a life of domesticated slavery when a neurosomatic drug can produce direct, naked sensation in which every touch, taste, smell, movement, sight, sound explodes in somatic rapture?

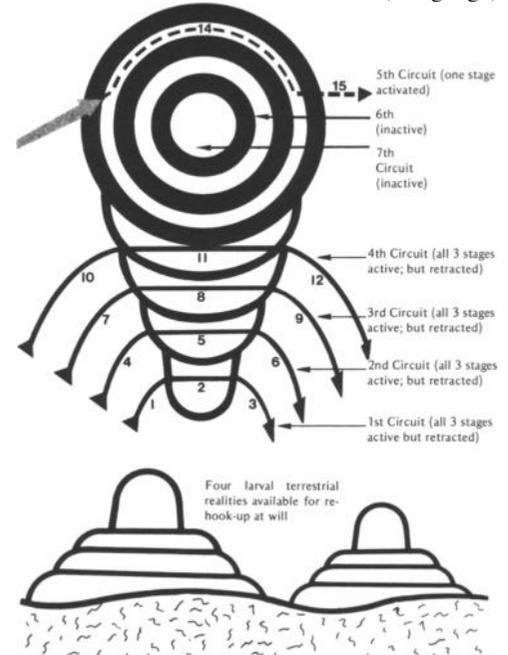
Neuroactive drugs have been used since the dawn of history by those who wish “to escape” to the internal pleasures of the sensory-somatic.

What is it that the cannabis user escapes from? The moralistic answer: from social responsibility. The neurological answer: escape from the tunnel-reality of the four artificial imprints.

The first post-larval stage (13) is infantile self-indulgence. Establishing a new ego-identity. The Hippie movement. The passive hedonist. Moralists complain that the youth culture is infantile. Exactly. As aimless and unproductive as a baby. The first post-larval generation (those born between 1945 and 1970) naturally bore the brunt of mutational confusion. We can imagine that the first generation of amphibians were similarly misunderstood as crazy, lazy mixed-up kids, laying around on the shoreline passively enjoying the naked sun and sniffing oxygen.

The later post-larval generations will be helped by the experiences and the compassion of those who preceded them.*

STAGE 13 PISCES II NEUROSOMATIC RECEPTIVITY (being high)



Stage 13 is activated when the mutation from larval-terrestrial to extra-terrestrial neurology occurs. The four larval imprint fibers are retracted and the body operates as poly-sensory time-ship. Phylogenetically this stage defines the first post-terrestrial Stage. While every post-terrestrial passes through this stage, the human who is genetically wired to play this role is called Pisces II, the Hedonic Consumer.



* Time projections, forward or back, are always intriguing. If we knew then... could Hiroshima have been prevented? If this book and the neurogenetic principles it presents had been available in the 1960's much confusion might have been avoided. Idle speculation. DNA expects that the first reaction to a new energy will be self-indulgent and confused.

The 13th Tarot card, Hanging Man, represents the passive-receptive stage of the Fifth Circuit. It portrays a person floating free. There is no suggestion of gallows, rope, punishment. SHE is suspended in the attitude of rapturous detached passivity, entrancement. De Laurence says, “the face expresses deep entrancement, not suffering;... the figure as a whole suggests life in suspension, but life and not death.”

The transition from terrestrial gravity to being “high.” The breakthrough to Body Consciousness. The Somatic passage; the Turn-on. Liberation from gravitational pull. The Body experienced as Soft-machine, freed from mundane survival imprints.

The resurrection of body as Time Ship—freed from social imprint to be used as receptive apparatus for hedonic experience. Thoughtless rapture. Consumer use of Body Turn-ons. Self-Definition as aesthetic person; as happy-hippy pleasure seeker wandering through the Garden of Sensory Goodies.

This temporal caste makes the transition from the body as a hive-robot maneuvering in terrestrial gravity to the body as gravity-free self-directed rapture instrument. The discovery that one is not an Earthling, that the body can get “high,” can be experienced as a gravity-free pleasure machine.

The receptive, passive, body-consumer phase when the Fifth Circuit has been activated but before feedback control of physiology and rapture linkage has been made. This is the crucial initiatory phase in post-hive evolution. Just as the Unformed Potential of the Fool (Stage 1) must establish muscular control of body organs and link with the Mothering Earth, so must the Senually Awakened go on to establish intelligent disciplined control and then link with a post-hive mate. If the Fifth Somatic Circuit does not hook-up, if the Soma-rapture imprint remains senually passive, then the individual remains in this slot—the enlightened blissed-out Fool, the Hanging Man. We speak here of the Hippies, the Playboy Hedonists, the Ram Dasses, the good-time rollers, the hashishines, the bliss prophets, the second-hand Karma dealers, the thoughtless sensory consumers.

The Hippies who “hang-out,” apparently doing nothing, are waiting passively like babies for the space-ship to take them home to the stars; turned-on layabouts waiting for the technology to provide escape velocity. Grounded butterflies, they naturally incur the wrath of the unevolved hive caterpillars who cannot understand and resent the carefree futants.

The post-terrestrial self is a winged creature—too big for the hive.

The hive authorities fear futation. The First Circuit signals: “Pleasure is dangerous!” The Second Circuit warns: “If you relax your vigilance you will be put-down!” The Third Circuit worries, “I can’t understand; am I going mad?” The Fourth Circuit whispers, “Taboo—violation of sex-role.” Only when these hive taboos are understood and mastered does the pure joy of self-reward neurosomatic pleasure begin.

When the larval circuits of the nervous system are retracted and the post-terrestrial circuits activated, the function of the body as a time-ship designed to maneuver in zero-gravity is recognized. The ill-prepared person or the person whose post-terrestrial circuits are activated without hir knowledge can become confused—and can operate as though gravity has already been transcended.

To get into your Stage 13 enraptured slacker brain:

- Get high, get high, get high.
- Create-fabricate a stimulus for turning-on each of your sense-organs: eyes, mouth, nose, skin, muscles, mouth, membranes.
- Then, combine them in poly-sensual symphonic compositions.
- Imagine living a life of total self-indulgence.
- Define yourself as LIFE-ARTIST, arranging your surroundings to continually enrapture your sense organs.
- Consider all the moral-political taboos against sensory self-reward; show why civilization as we know it, would collapse if body-consumerism takes over.
- Go through the pages of PLAYBOY magazine and calculate the percentage of ads for sensory self-indulgence.
- Then calculate the percentage of ads for family-domestic items.
- Now ruffle the pages of the READERS DIGEST and calculate the percentage of ads for self-indulgent versus home-owner-parental ads. You now understand the difference between Castes 11 and 13.
- Get high, get high, get high.
- Calculate the percentage of your daily life spent in boring activities and then initiate an all-out campaign to decrease your BOREDOM-INDEX.

STAGE 14: NEUROSOMATIC INTELLIGENCE

The receptive stage of a mutational advance is followed by an integrative stage. Just as the endomorphic Biosurvival imprint (Stage 1) is followed by viscerotonic conditioning—discriminatory and selective (Stage 2)—so does Stage 14 organize and control the neurosomatic signalry of Stage 13.

At Stage 13 the neural lines to the umbilical external are retracted. The sensory-somatic signals are received. Sensory consumerism emerges.

The body-brain then begins to select, remember, relate, control somatic-sensory function; Stage 14.

The preceding stage (13) is personified by the passive, floating Hippie; Stage 14 by the disciplined yogin, health-food adept, body-wizard, who attains precise control, learns to operate the body time-ship.

The first post-larval generation believed naively that “turning on” was an end-point. Feel-good consumerism. A small percentage were sophisticated enough to study and master the management of sensuality, to chart and navigate the infinite internal geography of neurophysiology.

The vague, theosophical cliché “look within,” now takes on specific anatomical meaning. “Look within” means within the body. Control of the autonomic nervous system, of somatic reactions which are involuntary and unconscious to the larval.

The Self-Actualized phase of post-hive Self-Discovery. The disciplined control of one’s own body function. The art of hedonic self-stimulation. The science of conscious body performance. Karate. Yoga. Dance. Non-competitive sports designed to get high, to stretch body and mind. The direction of one’s own aesthetic environment and responses. The conscious acceptance of one’s life as a Work of Conceptual Art.

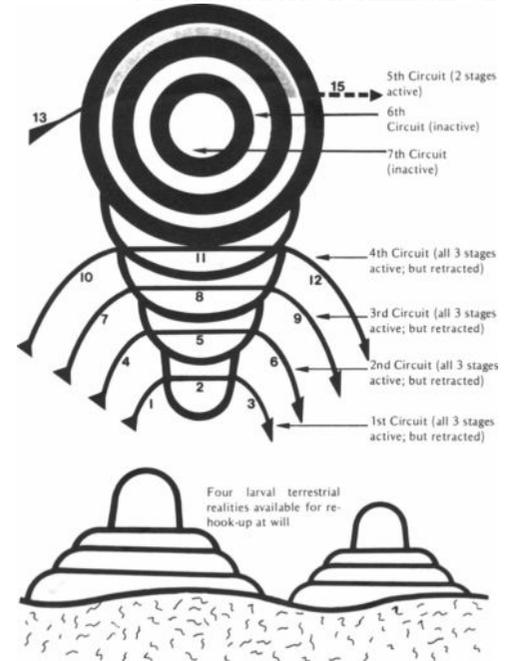
When survival pressures are relieved the gene-pool allows the luxury of Self-Actualization—as a genetic experimental device. The intelligent manipulation of the Body freed from the demands and limitations of terrestrial-territorial hives. The control of one’s own physiology. The aesthetic-eroticization of sensation and motion. Learning how to use the body as Time-Machine, as feed-back rapture instrument. The Reichian rediscovery of the conscious Body.

The first four imprints totally robotize the human body. The magnificent, coordinated, trillion-cell physiological network operates on autopilot. The fetal person uses Hir body as an automaton scanning for conditioned symbolic cues and reacting in narrow standardized reaction to the imprinted reality island.

The notion that the Soma must be turned on, that the path to evolved consciousness and accelerated intelligence lies through the Self-Rewarded Body is taught by certain Hindu, Sufi, Tantrist, Sex-magic and Buddhist schools, but this lesson of Eros and Soma is usually taught indirectly, subtly, because it outrages larval thinking, is anathema to hive-concepts of sin and social irresponsibility.

The focus of exopsychology is the nervous system as transceiver of energy—somatic, neuro-electric, DNA-molecular and SANE (sub-atomic). The basic tension in evolution is between the maintenance of hive survival structures that limit and channel energy and the emergence of post-hive structures which can transceive greater intensities and ranges of energy.

STAGE 14 ARIES II NEUROSOMATIC INTELLIGENCE



Stage 14 is activated when the Fifth Brain learns to control, integrate, organize, re-member neurosomatic signals and manipulate the poly-sensory, gravity free body. Phylogenetically this stage represents the Fifth Brain. While every post-terrestrial passes through this stage, the human who is genetically wired to play this role is called Aries II; the Yogin, the Body Consciousness.

Learning how to use the body as Time-Machine,



To get into your Stage 14 brain and become a body wizard:

- Break your orgasm-record.
- Get high and practice disciplined control of a body-organ.
- Obtain a catalogue of a Humanist Psychology or New Age conference—and trip-out on the infinite techniques for Self-Development listed therein.
- Locate an Arica or EST group and study their techniques for Self-Actualization.
- Chuckle at the devotees of Swamis and gurus who enslave their disciplines with promises of Self-Liberation.
- Master every Yoga that amuses you.
- Study neuro-physiology and wholistic medicine.
- Take acid and voyage down through all your sensory-somatic systems.
- Use your body as a space-time ship temporarily grounded on a heavy 1-G planet.
- Love the beauty and precision of your body.
- Break all existing records for Self-directed fun-pleasure rapture.

STAGE 15: NEUROSOMATIC FUSION

STAGE 15 TAURUS II NEUROSOMATIC FUSION

After reception and integration comes the fusion of the new energy with others to form the social linkage. Synergy.

Neural circuits are designed to transmit, communicate, hook-up. The linkage—poetically called union or love—is not an accidental development. It is built into the DNA design. Fusion and inter-change produce a structure capable of increased contelligence. Two heads are better than one—if they are transceiving on the same frequencies.

Our language does not have a scientific term for this communication between two or more persons operating on the neurosomatic channels, free of symbolic-material imprints. It has been called Extra-symbolic Perception (ESP). Spiritual community. **Agape. Tantra.**

The neurological awakening of the 1960's has resulted in a widespread fascination with personal growth and self-development which is called the Consciousness Movement. The general tendency to withdraw blind commitment from political-career activities, the skepticism and challenge to cliché dogma, the new emphasis on personal as opposed to public values has led some social critics like Thomas Wolfe to wonder if the "Me" generation is a return to the Eisenhower apathy of the 1950's.

The theory of mutational stages presented in this book suggests that there are no "returns" in nature but rather, cycles of:

reception
integration
transmission-linkage

at higher levels of energy.

Stage 13 (Hedonic Consumer) leads to Stage 14 (Hedonic Self Actualizer). And Stage 14 leads in turn to Stage 15—the formation of Neurosomatic groups. The many cults, sects, consciousness movements which blossomed in the 1970's are examples of Stage 15 linkage.

The "apathy" of the post 60's generation is deceptive. Youth today is highly engaged in interna-somatic experimentation and is less than enthusiastic about committing to old-style political, social or religious doctrines. One of the most interesting (and predictable) aspects of current (1976) neurosociology is the electric acceptance of S.M.I.²L.E. concepts by those who have attained a certain level of "Self-actualization-and-sensory-mastery" and who are waiting to hook up to collectives which will make possible the next evolutionary step.

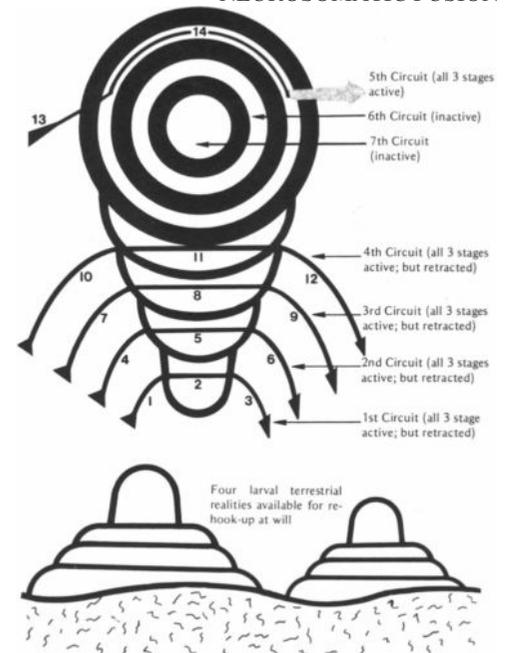
The fusion of Self-Actualized persons in post-social linkages to form new post-territorial hives, called communes [or intentional communities]. This is the first direct, real, conscious-connection between two or more human beings, detached from larval, robotic-imprinted needs. This stage occurs in history after a period of Self-Discovery and Self-Actualization—when an increasing number of persons in control of the aesthetics of their lives hook-up to form new communities—post-social in nature. In the past such groups have formed aesthetic brotherhoods, religious communes, spiritual cults, utopian communities, show-business cooperatives. This is the key tactic of evolution—Self-Actualized Out-castes forming new hives to make possible migration to the next ecological niche.

You begin to hang out in ecological niches where you find those who share your reality.

The rapture connection; mutual prolongation of pulsating climax of sensation, mutual contrast of afferent movements, harmony of aesthetic styles. Members of this caste recognize each other by their radiation.

The Tantric lover can live in hir own body and in the Fused-shared neurosomatic reality of hir mate.

A typical aberrant genetic-phase which accompanies the emergence of the 15th caste is fanatic cultism. When one Self-Confidant-Self-Actualizer attracts Stage 13 Passives (or larval humans) without the balancing polarity of the other Caste 14 Actualizers a slavish cult appears. The Stage 15 caste-leader



Stage 15 is activated when the Fifth Brain hooks up with other poly-sensory time-ships and forms Neurosomatic Fusions. Phylogenetically this stage defines the first direct energy-communication between humans. While every post-larval is designed to pass through this stage, those who are genetically wired to play this role are called Taurus II; the Tantric Fusion.



fabricates a crazed-idiosyncratic culture which eventually collapses. The Jim Jones syndrome.

Stage 13 (Hippie-oriented-quietism signified by the Floating Man) murmurs that there is no place to go. Somatic Self-Reward. Sensory Reception. Unattached selfishness. Relax. Float. Drift. Hang suspended. Mindless. The Hindu Fool has been well described by Carlos Castaneda and quoted with approval by Ram Dass. "He knows that his life will be over altogether too soon, he knows because he sees nothing is more important than anything else." This is the empty, void philosophy of vulgate Buddhism. The rudderless yogin who has severed his neural ties to hive-robohood but has not oriented to the direction of genetic evolution. Wingless butterflies.

The Neurological Tarot defines the evolutionary steps beyond Stage 13—the controlled folly of Castaneda, the quietism of Tao, the no-difference smiling cynicism of Manson, the "All-is-one" sucrosity of Ram Dass, the Stage 14 pick-your-game elegance of Crowley. These attitudes are passive Floating-Man responses; post-hive stupidities; failures to make the Fifth Circuit linkage which is represented by Caste 15.

By 1979 the production of somatic-electricity between two self-actualized Hedonists was as obvious (and to the uninitiated, as mysterious) as Benjamin Franklin's experimental summoning down of lightning bolts. The experiment can be easily replicated at home by any intelligent scientists.

1) Retire to a comfortable bedroom where there is total privacy.

2) Ingest an adequate amount of a neurosomatic drug. The amount and the name of this neuro-transmitter varies from niche-to-niche and from brain to brain.

3) Arrange the two naked bodies in any standard face-to-face tantric attitude—legs intertwined, woman's yoni above man's lingam.

4) The two experimenters then softly stroke each other's bodies for at least an hour. The soft friction of the two aroused skin surfaces then produces an electrical aura. This usually appears first on the hands—often seen as filmlike grids between the fingers. Or as loose "rubber-glove-like" auras around the fingers. The grids are clearly electromagnetic structures in that objects can be passed through them. But they can be manipulated by moving the electrically-charged finger close to them. The magnetic attraction is often visible as thread-like filaments growing up from the arms. Tiny electric point-flashes are also observed. In some cases these filaments become like the threads emitted from certain marine forms which contain at the ends electrical charges. The charges in this case are pleasurable rather than defensive.

The production of such magnetic auras indicates that the neuro-electric circuit (Stage 16) is being activated.

In the west, the role of alchemist classically personalizes this Tantric phase. The lesson of alchemy is *solve et coagule*. Fission and then fusion. Merging of self-actualized minds in the Tantric union. The successful alchemists worked in secret male-female pairs; fusing the somatic magnetic polarities. The fact that the energies of the body must be transmitted, fused in erotic-aesthetic union, was the censored, well-hidden secret of European alchemy.

Every body has to be some body to some body to be every body.

Fifth Circuit Schizophrenia is Divine Megalomania.

Most of the weirdness that passes for "higher consciousness," "cosmic consciousness," "mystic awakening," "artistic genius," is Fifth Circuit alienation. Many post-hive, self-reward people get carried away with the freedom and selective choice. They become megalomaniac and fail to realize that others are also attaining post-hive Self-Actualization. It is true that to evolve beyond hive-robohood, one must pass Megalomania 1A (Caste 13) and master Simple Godmanship and Basic Narcissism (Caste 14). But a most perilous leap awaits the Self-Developer. After one has become a Self-Reward Adept it is necessary to realize that, although one is god, it's a pan-theistic universe, that other post-hive creators exist.

The Caste 14 artist, exalted in his ability to create new forms, is the notorious example of Fifth circuit alienation. The Caste 15 linkage is made by means of the paradoxical God conspiracy-contract. Yes, my body-mind is the only reality I can experience. However, I choose to trustfully believe that other self-actualized post-hivers exist, and by linking my aesthetic divinity, higher levels of contelligence can be activated. Intelligence must fuse, or incoherence results, integration-of-signals fails.

To get into your Stage 15 brain and become Siva-Shakti:

- Get very high with your lover and perform mutual erotic-aesthetic rituals, fusing sensations.
- Use a psycho-active chemical with your lover which produces bio-electricity and the n experiment with it..
- For the next 15 days explore-discover a new way of sensually pleasing your lover and vice-reversed.
- Make a list of 100 of the greatest fusion-love affairs in history—John-Yoko, Christopher Isherwood-Don Bachardy.
- Discuss with every love-affair you know the techniques they use for fusion.
- Question some unfused solitaire people you know if they wouldn't prefer an all-out love linkage.
- Spend 72 hours with your lover never out of each other's sight.
- Watch the effect that your own mood has on others. Give others a contact high.
- Study Reiki or other healing arts.

STAGE 16: NEUROELECTRIC RECEPTIVITY

The Sixth Circuit emerges when the nervous system begins to understand and control its own functioning as a bio-electric transceiver.

By comparison, when the Fifth Circuit is activated, the nervous system begins to understand and control its somatic vehicle, floating unattached to fixed terrestrial locale.

When the Sixth Circuit is activated, the nervous system real-izes that it is a transceiver for bio-electric frequencies. We speak here of what has been poetically called “the sixth sense.” The ability, manifested by certain premature larva Is, to pick up messages beyond the audio-visual-tactile-chemical range of the neurosomatic circuit.

The telepathic facility is not unusual. A surprisingly high percentage of larvals will report in confidence that they have experienced pre-cognition or distance reception. These episodes are uncanny to the larval. Shrouded in taboo. The Catholic church has traditionally considered such “psychic” phenomena as sinful or diabolic. Respectable scientists prudishly avoid discussion or examination of the widespread evidence for the existence of “Sixth sense” data.

It is well known that lower species can transceive electromagnetic and gravitational signals. The homing and migratory skills of birds depends on their accurate reception of electro-gravitational energies. The bio-rhythms of all species seem to be activated by electro-magnetic messagery. Although it is obvious that all nervous systems operate as electro-magnetic transceivers, the implications for human psychology have been ignored.

This superstitious avoidance of a powerful human ability is genetically valid. Most human taboos and bizarre moral codes are grounded in neurologic or genetic wisdom. Just as neurosomatic (hedonic), imprint-retracting drugs are unsettling to a larval society, so are neurophysical experiences distracting and survivally confusing. The four-brained social robot is designed to limit Hir perspective to the immediate environment. The insect who leaves the pathways of the anthill to wander off, trying to communicate with humans is sensed as a danger to the hive.

Contelligent use of the neurophysical circuit had to await the development of electronic and atomic technology to provide the language and models. The nervous system has served, since the beginning of biological evolution, as a transceiver for electro-magnetic-gravitational signals, but only with the onset of atomic technology, in preparation for space migration, does the Sixth Circuit become available for conscious communication. The robots begin to learn how to operate their own circuitry.

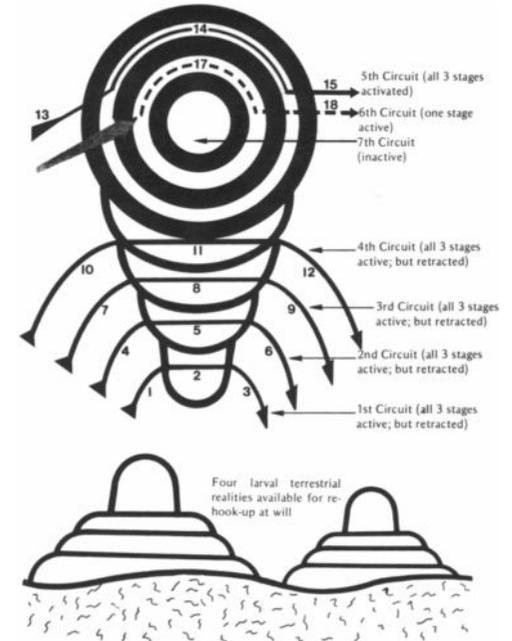
Stage 16 is the passive, exploratory phase of the neuroelectric experience. Self-indulgent reception. It should be noted that in most cases of “psychic” phenomena, the so-called “sensitive” **receives**. There are fewer cases of persons becoming **transmitters** of neurophysical signals. This illustrates the childhood quality of the receptive phase of new circuits.

Another example of neurophysical receptivity comes from radio-astronomy. Great “dishes” scan the sky receiving electromagnetic signals. Less energy is devoted to sending messages out into space with the intent of conscious communication. This reflects the instinctive awareness that humanity is an immature species—passively waiting to be contacted. The same is true of the U.F.O. phenomenon. Opinion polls reveal that more than 50% of the American public believes in the existence of extra-terrestrial visitations. Very few of these believers ever consider that they, personally, could be part of an extra-terrestrial expedition [Stage 18], which lies ahead in the human future.

Circuit 6 is activated by neuro-electric drugs. Certain organic chemicals derived from ergot, cactus, mushrooms allow the nervous system to become aware of its role as transceiver of physical energy. We must be precise about the chain of causation. The drugs do not stimulate the neuro-electric activity. The brain is a bio-electric network and has been transceiving these signals for two billion years. The drugs apparently dissolve synaptic barriers which prevent the larval mind from being aware of the molecular transactions and bio-electric signals which are the moment-to-moment commerce of the brain.

The myriad somatic and physiological events made conscious when the neuro-

STAGE 16 GEMINI II NEUROELECTRIC RECEPTIVITY



Stage 16 is the first, exploratory slot of the Neuroelectric circuit. The Brain, freed from the body and the four terrestrial imprints, operates as a neuro-computer. Neuroelectric passivity. Einstein consciousness. Self-definition as a bio-electric computer, self-indulgent use of electronics. While every post-human is designed to pass through this Stage, the human who is genetically wired to play this role is called Gemini II.



somatic circuit is opened up were ongoing since birth. Neurosomatic chemicals simply lower the synaptic gates which keep the Third Circuit symbolic mind from being aware of the involuntary activity.

At Stage 16 the post-larval human becomes aware of the bio-electric nature of brain activity. It is like removing the panels which protect the computer and exposing the detailed operation of the circuitry—a revelation which would be distracting to the pilot flying the computer-controlled plane. The pilot simply wants the directional read-out; and the larval does not want to know that his dinner is made up of atoms which are themselves tiny particles whirling through space. He wants solid meat on a solid plate.

The reality of interstellar existence is, however, very different. Electro-magnetic-gravitational processes are the meat and potatoes of galactic life. The vibratory-transceiver nature of the brain, useless to the larval, is very necessary in space. Telepathy. Brain-computer links. Brain-radio connections. Cyborg symbiosis.

Extra-terrestrial events are measured in terms of light-speed. Extra-terrestrial communication involves not laryngeal-manual symbols on paper or words vocalized along sound-wave frequencies, but the wide spectrum of electronic signals.

The caricature Stage 16 personage is the “acid head” wandering around with unfocused eyes, exclaiming “Wow! It’s all vibrations.” We recall the cliché putdown of the acid-head who looks at the desk in front of him and says “Wow! A pencil!” It is easy to ridicule such a precarious and vulnerable mutant and to sniff disdainfully about LSD confusions. Actually, the unfortunate acid-head is performing a tremendous epistemological feat for which he is quite unprepared and to which his larval culture is stupidly unsympathetic. When he says “Wow! A pencil!” he is identifying a whirlpool cluster of electrons with the correct English name! He is accomplishing an Einsteinian intellectual task.

The astonishing spiritual brutality and know-nothing vulgarity of the Nixon era made it fashionable and safe to derogate and bully the users of LSD who, ill prepared and untutored, were performing a recklessly gallant genetic function. The first humans to deliberately use the brain as radio transceiver and to experience the basic electronic nature both of the brain and the universe it inhabits.

Sophisticated Stage 16 psychedelicists fell back on the pre-scientific ontology of Hinduism—“All is Maya (illusion)” or “All is Lila (play of energy).” Hinduism is a passive-receptive philosophy, basically correct in its ontology and neurogenetic cosmology, but anti-intellectual and pre-scientific.

Buddhism, a more elegant, quietist doctrine, also accepts the vibratory nature of reality, but advocates an aesthetic, here-and-now passivity and indifference. The books of Carlos Castaneda present a peyote-cult version of the neuro-electric experience: “separate realities.” Since the uneducated Yaqui Indian, don Juan, is not familiar with atomic physics, he uses the vocabulary of magic and power to describe experiences which are unmistakably neuro-electric.

Stage 16, like all receptive stages, is exploratory and childishly passive. The pop-eyed acid-head is a transient evolutionary form. Neuro-electric drugs like LSD are not designed for terrestrial life and are rightly considered dangerous by larval moralists. The Sixth Circuit is designed for extra-terrestrial life—and its activation by drugs at the present time is in preparation for migration. Neurophysical drugs **can** be used by neuro-logicians to “cure” ineffective childhood imprints. LSD-type drugs used for treatment or for pre-flight training should be administered by knowledgeable experts who understand the principles of re-imprinting and who have experiential control of their own nervous systems. The hedonic “party” use of LSD is a risky business. It is true that the ecstasy of direct vibratory reality is intense, far beyond the delights of larval rewards and material pleasures, and it is true that the ontological revelations allow one to experience elemental Einsteinian reality (of which imprints are the static, faded copies). However, physical reality is too explosive an experience for mundane exposure. **The brain is an extra-terrestrial organ.** The brain is an alien intelligence. The brain has no more concern for earthly affairs than the cultured, sympathetic traveller for the native village in which SHe spends the night.

The discovery that the brain, which one has naively considered one’s own ego-tool, is actually an alien presence (viewing the host-personality with the aesthetic eye which an elegant aristocrat might cast upon an ignorant, gross, uneducated, opinionated, irascible rural inn-keeper) is shocking to the unprepared LSD-user and can lead to frenzies of shame and humiliation. The so-called “bad trip” is often nothing more than the “ego” viewing itself through the clear lens of its own Higher Intelligence.

There is another LSD-myth which can be understood in the light of neuro-logic. This is the apocryphical legend that neurophysical drugs can cause people to want to jump out windows. We are aware, of course, that the defenestration myth becomes a self-fulfilling prophecy. Once given rumor-currency, the vulnerability of the imprint-retracted state can give reality to the myth. “I am now free to create a new reality. What does one do in the Nirvana state? Oh yes, I remember. Find a window to jump out of. That’s what **Reader’s Digest** suggested.”

Behind the suggestive power of the legend we find the evolutionary meaning. LSD activates post-terrestrial contelligence. Humanity’s home is in space. Humanity’s natural atmosphere is zero-gravity. We are designed to float, to evolve into flight, to swim around in null-G freedom.

Stage 16 neurophysical hedonism is a natural, youthful reaction to the newly acquired experience. During its larval existence, the brain has been buffered and sealed off from electromagnetic vibratory reality. The artifacts and machines produced by the Third Circuit brutalize and coarsen experience. The heavy, slow somatic functions of the Fifth Circuit are encumbrances. Neurosomatic experience is filtered through the slow liquid transactions of cellular organs.

Sixth Circuit consciousness, however, is crystal clear, radiant, electric, frictionless, unencumbered by material inertias. It is understandable that a period of self-indulgent playing with raw, direct, smooth humming energy would occur.

At Stage 16 the neuro-electric child plays with the electro-magnetic-signals. The next step is the intelligent integration and reconstruction of the new energy forms.

The Sixth Circuit is the nervous system freed from the limiting programs of body circuits and larval imprints. Conscious of its own neuro-electric functioning. The nervous system now literally imprints itself. It must be remembered that the nervous system sees no

color, feels no pain. When the Sixth Circuit is activated, the body becomes conductor-receiver for the neuro-electric signals. The rapture of the Fifth Circuit is available along with the conditioned emotions, thoughts, addictions of the first four circuits but as background in a shuttling web of signals.

The Sixth Circuit nervous system can create and contemplate a million models to replace the one static model which previously was identified as Reality. New electronic modes of consciousness are discovered, explored, integrated, transmitted. These are not “metaphysical” but physical in the strict sense: Einsteinian, relativistic, post-terrestrial, awareness of auras, electric emanations. Access to the inner-workings of the neuro-computer.

Stage 16 is the transition from the bio-chemical physiologic of the Fifth Circuit to the bio-electric relativity of the Sixth. The liberating Einsteinian discovery ($E = MC^2$) that everything material is vibration, Energy pulsating along the electromagnetic frequencies. A passive experiencing of the interneural levels of energy, neural fission, reception of brain waves, reality registered as vibrations. The passive-receptive narcissistic experiencing of the extraneural levels of electronic energy—television used for consumer pleasure.

The consumer-indulgent stage of Neuro-electric Self-Discovery. The individual (and species) discovers that the brain is a relativistic instrument which can be dialed, tuned, focused. This Stage discovers that all reality is composed of electro-magnetic vibrations, patterns of energy. It has been experienced accidentally or naturally by people who in the past have been called mystics (or schizophrenics). Recently this level of consciousness has been attained by several million persons who have experimented with psychedelic drugs. We refer here to the typical LSD experience. Sensations from every sense organ are experienced as electrically alive. In human history this stage has appeared in a small percent of the population who were genetically preprogrammed to attain access to this circuit of the brain. Such experiences were described as “voices” or “divine illuminations”.

Stage 16 represents the passive-receptive phase of the Sixth Circuit. Interneurally this is the spaced-out acid-head, passively experiencing the electronic levels of energy. Synapse dynamics. Auras. The brain conscious of its own electrical rhythms. Externeurally this is the reception of electro-magnetic vibrations, radio, TV, atomic fission, bio-feedback, computer consciousness. The passive-boob-tube addict.

The indulgent, self-centered passive experiencing of the electric performance of the brain. The internal-experiential side of this phase is psychedelic acceleration. Neuro-active drugs which fission and accelerate consciousness—not used for discipline-control or link-up but for passive-receptive enjoyment.

When an individual or species evolves to a higher level of energy, the initial reaction is to use the energy for self-definition, self-gratification and to strengthen lower hive circuit programs. Externeural, electronic and atomic energies are used for War, I.T.T profits, CIA surveillance, political control, electronic hedonism, hucksterism, “G-rated” movies and TV programs supportive of hive morality. On the inner side neuro-electric receptivity is used for occult mystification, spiritualism, showman-shaman-magic.

Einsteinian technology and brain reward drugs are now (1978) being mis-used to pacify, tranquilize, “passify,” mystify, robotize humanity. *The evolutionary function of electronic-atomic energy is to equip humanity for post-terrestrial linkage.* To send and receive interstellar signals. To design and propel Time-ships. Telepathy. To build High Orbital Mini-Earths (H.O.M.E.s).

The thought that Einstein had in his teens was this: “What would the world look like if I rode on a beam of light? Suppose this tram were moving away from that clock on the very beam with which we see what the clock says. Then, of course, the clock would be frozen. I, the tram, this box riding on the beam of light would be fixed in time. Time would have to stop... in keeping up with the speed of light I have cut myself off from the passage of time.”

This simple anecdote may be the key to Einstein “genius.” He obviously was able to personalize the events he studied; sought to experience his subject matter.

To get into your Stage 16 brain and become God the Reality Consumer:

- Read the classic accounts of psychedelic experiences written by Huxley, Houston, Grof and then experience them yourself.
- Bomb your brain with bleep, buss, flash, laser-strobe!!!!
- Stimulate your CNS with electronic overload—and practice quick dialing and tuning.
- Imagine you are floating above planet earth for the last 10,000 years with a movie camera that takes one frame a century.
- Get wildly spaced out and re-experience what Einstein saw around 1905.
- Get wildly spaced out and laugh-laugh-laugh at the contrived nature of conventional hive-consciousness.
- Imagine having fingertip control of electrodes placed in your brain stimulating every possible neurogram.
- Learn how to hallucinate and perform neuro-mobile-sculptures with your hallucinations.
- Then travel back to the Florence of Dante Alighieri and explain atomic energy, TV and LSD to the bard.

STAGE 17: NEURO-ELECTRIC INTELLIGENCE

The passivity of the receptive stage, waiting to receive what gets “dished up,” becomes confusing and frustrating. Eventually one begins to wonder about the mechanisms and lawful meanings of the phenomena. The neuro-electric intelligence becomes selective, experimental, recollective. One learns from the passive experiences, learns how to control and direct the energies involved.

This book, and this section of the book in particular, is a crude symbolization of neuro-electric events. A manual on how to use the electronic transceiver we call the brain.

Our current ability to “think” about neurophysical energies (i.e. to connect L.M. symbols with atomic events) is due to two recent scientific advances: the theoretical models and formulae of atomic physicists and the experiential reports of those whose Sixth Circuits have been activated by neurotransmitter drugs.

We have noted that each new evolving circuit of the nervous system includes and inter-connects with those that precede it. The Sixth Circuit is the central bio-computer. It receives signals from the other five circuits (and, as we shall see, from RNA-DNA). These signals, regardless of their original sensory location, reach the brain as electrochemical “bleeps.” The Sixth Circuit brain also receives signals from molecular memory banks within neurons—also in the form of “off-on” bleeps.

During larval existence, the Sixth Circuit is mainly concerned with mediating the terrestrial survival-traffic from the four-umbilical circuits.

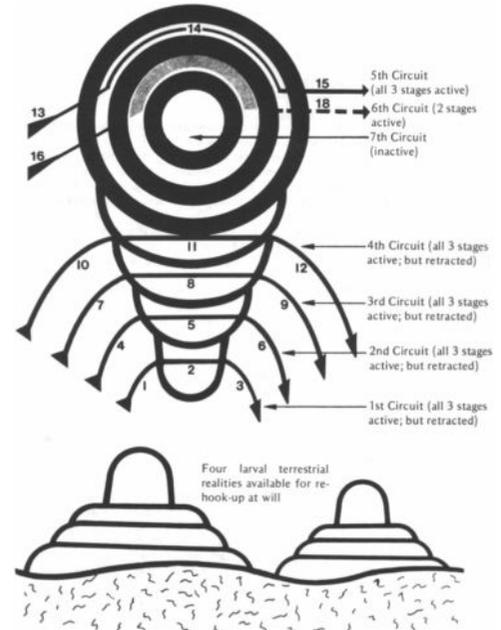
When the Sixth Brain is activated, a long, complex and disciplined training is required to establish conscious integrated control.

Humanity is just now beginning to understand that the brain is a transceiving-computing instrument which can be used to communicate at electronic speeds and frequencies. The Sixth Brain cannot be used to operate in larval environments, cannot slow down to the Newtonian rate of emotion-muscular, manual-mental, or domestic-social exchanges of “island-realities.”

The Sixth Circuit capacity of the brain operates best in a protective environment which responds at Einsteinian speeds and relativities—or at least where the others present refrain from imposing larval signals on the transcription.



STAGE 17 CANCER II NEUROELECTRIC INTELLIGENCE



Stage 17 is activated when the Sixth Brain learns to control, integrate, organize Neuroelectric signals and manipulate the neuro-electricity of the brain—unencumbered by the limitations of somatic or larval-survival imprints. While every post-terrestrial human passes through this stage, the human who is genetically wired to play this role is called Cancer II.

The Tarot card Tower Hit By Lightning codes the Stage of Brain Self-Actualization. Here we meet the person who has taken the responsibility for Hir own brain function, and has arrived at the crucial understanding that the brain is an instrument for fabricating realities. The neuro-technology involves the yoga of selective re-imprinting.

The brain becomes aware of its own bio-electric nature and of reality as a play of vibrations. The robot becomes aware of its own wiring. The Blowing of the static Newtonian Polarity Mind. The Brain films the lower-circuit cameras filming their imprinted scenarios.

To get into your Stage 17 brain and become a reality-fabricator:

- Imagine having a 17-million-dollar budget to produce and direct your own life; write the script, cast the stars, lease the locations and create the reality you desire.
- Read the works of Konrad Lorenz, Nico Tinbergen and Timothy Leary which outline how nervous systems are imprinted by any reality which happens to be at hand during the “critical period” of reality fix.
- Use powerful neurotransmitter drugs to accelerate your brain from static-imprinted-conditioned repetitious still-pix to the high velocity patterns of electronic bleeps and buzzes that the nervous system really experiences.
- Then, carefully re-imprint yourself exactly the neuro-reality you wish to inhabit.
- Experience the relentless flow of reality woven each second by your brain—each click providing you with choices for more freedom, intelligence or adding to the static reality structure to which you are addicted.
- Get control of your brain so that you can dial and tune the reality you choose.

STAGE 18: NEURO-ELECTRIC FUSION

STAGE 18 LEO II NEUROELECTRIC FUSION

Neuro-electric Fusion: the synergistic communication between two or more contelligences operating at the Sixth Circuit. Telepathy.

The highest, fastest, most complex form of human communication—two or more nervous systems transeiving at electro-magnetic velocities.

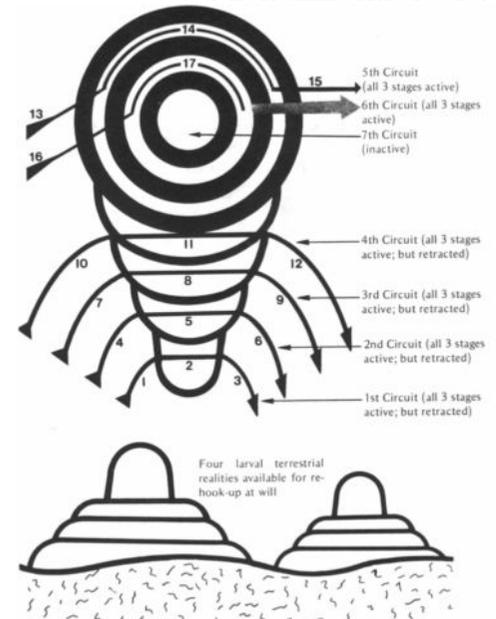
The abilities of the human brain to exchange electro-magnetic signals has not yet been explored. It is possible that the brain is designed to decode signals that our electronic machines are too insensitive to pick-up. The development of neurophysical contelligence may make it possible to design transeiving equipment which will permit the reception of complex messages which only a bio-instrument can originate.

Humans have constructed machines to amplify muscular power. In similar fashion, cyborg neuro-electronic equipment may make it possible to transmit contelligent messages across great distances. Such neurophysical signals would not be in terms of L.M. symbols, but direct neural-energy units.

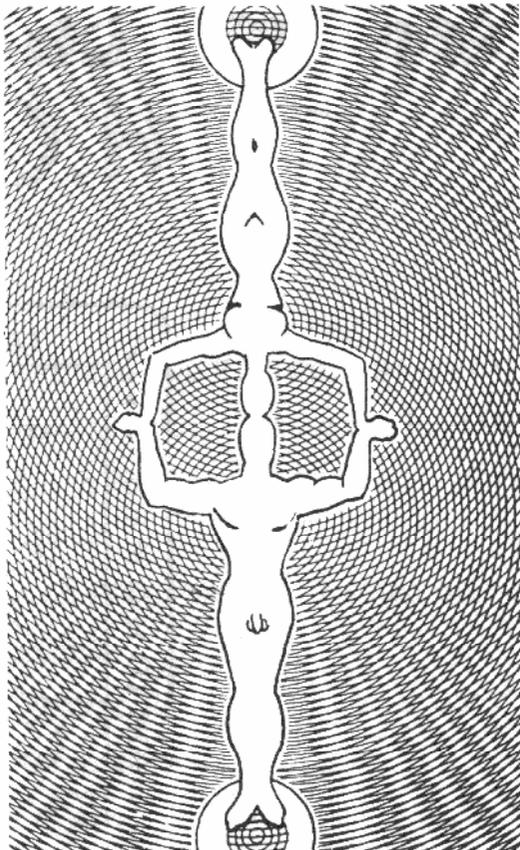
Here it must be re-stated that the Sixth (Neuro-electric) circuit of the brain is not a terrestrial survival organ. The ability to transeive at neuro-electric intensities and speeds is designed for post-terrestrial existence.

It is true that in every generation of recorded history certain premature evolutes exhibit Sixth Circuit contelligence. We think of the psychics, the fey, the mediums, the revelatory prophets, the great mystic philosophers—as well as the idiot savants and the strange eccentric geniuses who for centuries have been carted off to insane asylums because they saw too much too soon. Less civilized tribes have often instinctively understood that strange mental perceptions are signs of futique endowment and have defined socially accepted roles for the Sixth Circuit prematures.

While there is no doubt that extraordinary neural abilities occur in some humans—telepathy, ESP, psychokinesis, strange mathematical and symbolic accomplishments—it is also true that such people find no place in larval society. It is possible that ESP, for example, is a post-terrestrial trait. Those who have been endowed with this ability may be in the position of fish with vocal cords or mammals with symbolic abilities. To attempt telepathy down here on the bottom of a four-thousand mile atmospheric swamp would be like attempting oral conversation under water. The blurps and bubbles would conceal the fact that once out of water a new form of symbolic conversation is available. It is probable that once we have migrated off the planet, the telepathic (neuro-electric) mode of communication will become common-place.



Stage 18 is activated when the Sixth Brain hooks up with other Sixth Brain entities and communicates at neuro-electric velocities. While every post-terrestrial passes through this Stage, the human who is genetically wired to play this role is called Leo II. Telepathic Linkage.



Sixth circuit communication is one brain communicating to another at neuro-electric speeds. Verbal, larval communication is extremely slow and banal. We can say (via laryngeal muscles) only one millionth of what we can brain-send in any time unit. Thus we limit larval conversation to simple, obvious terrestrial hive survival situations.

Neuro-electric conversation is relativistic. Each neural signal is a moving particle which explodes many mirrored meanings, triggers off associations in the infinite memory banks of one's Eight Circuit Brain.

Each successive buzz can combine in multiple ways with the preceding bleeps and with the signals being emitted by others. Telepathic communication is like playing simultaneous electronic tennis with signals that explode like novae. Interpersonal chain-brain reactions. It is a high-velocity post-terrestrial phenomenon designed for post-human communication and can occur only when both brains are in control of the realities they fabricate.

To get into your Stage 18 brain and become a reality-co-creator:

- Re-read the Hindu Mythologies and study the inter-relations of the Gods; re-read the Greek myths and understand that Olympus was peopled with terrestrial-heroes, not post-terrestrial brains.
- Read the best Sci-Fi books on Space Cities, their construction and operation; e.g., Cities in Flight series by Blish.
- Every second of your life, study how things operate on Space-Ship earth and figure out improvements.
- Re-arrange and redecorate at least one room in your house so it reflects a 21st century post-terrestrial H.O.M.E. (High Orbital Mini-Earth) neuro-reality.
- Re-read Genesis and other primitive cosmologies and see where they went wrong. By failing to link-up with other Divinities.
- Regularly practice brain-fusing, telepathic linkage, collective imprinting.

STAGE 19: NEUROGENETIC RECEPTIVITY

The Seventh Circuit. The nervous system receiving signals from DNA.

DNA designs and constructs nervous systems and maintains supervisory and reconstructive communication with somatic cells and neurons mediated by RNA.

The nervous system continually receives DNA and RNA signals. Inside the nucleus of every neuron, there “lives” a DNA master-plan which contains a record of the chain of bodily re-incarnations back to the origin of life on this planet.

Geneticists are now learning how to decipher the conversation between DNA and the body and between DNA and the nervous system.

When the Seventh Circuit of the nervous system is activated, the signals from DNA become conscious. This experience is chaotic and confusing to the unprepared person—thousands of genetic memories flash by, the molecular family-picture-album of species consciousness and evolution. This experience provides glimpses and samples of the broad design of the multi-billion year old genetic panorama.

Neurogenetic consciousness is not restricted to past perspectives. The outlines of the future DNA blueprint are also available—Psi Phy visions and pre-views—exalting and frightening—of the per-mutations which are to come.

We have seen that the first stage of any new level of con-telligence is receptive and passive-spectator. Neural entertainment and exploration is thus the function of mutational Stage 19.

Hidden safe and comfy in the nucleus of every living cell reclines the Brain of Life, sending out chemical instructions, RNA, to fabricate the mobile sensory-organs (sperm-egg vehicles) we call living organisms.

Biological Intelligence, which operates like the Egg-Queen in a termite hive, is called Gaia. The Genetic Wisdom; Egg creativity. For millennia pagan prophets understood and attempted to fore-caste the unfolding of evolution along the lines of an intelligent creator.

During the last 2,000 years of monotheism humans lost awareness of Gaia Intelligence. Even in 1979 terrestrials explained creation in terms of Superstitious-Fearful Magic (the vengeful Jehovah of the Bible), or in terms of blind accident. Because monotheists did not understand the tactics and goals of the Evolutionary Process, they naturally assumed that there was no understandable genetic intelligence. The best that humans could come up with was a primitive male Deity who performed silly miracles and remained obsessed with village morals.

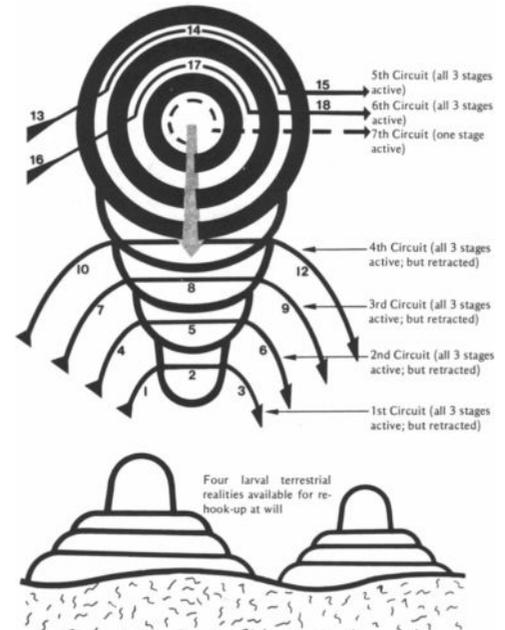
Stage 19 is the self-indulgent use of sperm-egg (breeding) arrangements—cloning, rejuvenating, breeding-culling caste-identification to fit the ambitions of yourself and your gene-pool. Self-definition in terms of one’s role as evolutionary agent. The Stage 19 futant realizes that SHE is riding the front wave of the 3 billion-year-old process. Enormous liberating benefits are available once DNA intelligence is decoded—longevity, cloning, an enormous explosion of new aesthetic DNA realities, and revelatory empathy into the secret lives of plants, insects and other advanced species.

Each Genetic Creator controls how long and at which age SHE lives. This stage represents a culminating step for Gaia, the Global Egg Intelligence. She has succeeded in activating her own communication-transportation robots to understand the aesthetic of the creation.

In order to attain this level of genetic Self-Actualization the futant must violate the most sacred-guarded hive taboo—which means overthrowing the Darwinian theory of blind-chance evolution and natural selection by means of the survival of the fittest.

Sperm Intelligence, Caste 19, is a naïve, adolescent, transitional consumer use of a new technology. It is doomed, of course, to be supplanted by Egg-Intelligence. Sperm Intelligence fails to realize that the power of selection, choice, chromosome linkage is almost entirely determined by the Ovum—as personified as Gaia Wisdom.

STAGE 19 VIRGO II NEUROGENETIC RECEPTIVITY



Stage 19 is activated when the mutation is made to Neuro-genetic signals. The nervous system imprints the DNA code and transceives RNA-DNA signals at the molecular level. While every post-human is designed to pass through this stage, those who are genetically wired to play this role are called Virgo II.



STAGE 20: NEUROGENETIC INTELLIGENCE

Selection, discrimination, organization, evaluation of genetic signals.

The neurogenetic circuit begins to think like DNA, learns the vocabulary of RNA. Begins to identify with the genetic intelligence which deals in the span of species and encompasses the multi-billion year network of life.

There is no language for larval intelligence to describe the complexity and variety of the DNA design, but we can predict the emergence of genetic wizards, DNA engineers who understand the alphabet of DNA and can decipher, write, and re-write in amino-acid script, the book written in the vocabulary of guanine, adenine, cytosine, and thymine.

The function of Neurogenetic Intelligence is, of course, to stop the programmed aging process. The basic goal of Life is Immortality. Increased Intelligence (neural control) and Space Migration are simply tools to assist in the Life Extension process.

Immortality is attained through control of the DNA—Stage 20.

To control the genetic code it is necessary to receive DNA-RNA signals and to experientially resonate, identify with them (Stage 19).

Alan Harrington has presented the external side of the Neurogenetic Wizard: "...salvation belongs to medical engineering and nothing else; ...man's fate depends first on the proper management of his technical proficiency; ...our Messiahs will be wearing white coats, not in asylums, but in chemical and biological laboratories."*

What Harrington's brilliant analysis fails to point out is that the genetic engineers of Stage 20 will use as their basic instrument their own brains, open to and conscious of neurogenetic signals. Only the DNA neuron link-up can produce the immortality and symbiotic linkage with other species—which are themselves different letters in the genetic alphabet.

Your Brain contains a CNS-RNA-DNA information chain which endows you to consciously think and act like Gaia Intelligence, the Biological Wisdom which keeps the film of life harmoniously evolving on this planet—and off it. When activated this circuit fabricates a compassionate, womb-humorous understanding of the web-tree of Life and the perfumed-cunt-flower and the graceful winged-creature romance that is the Teleological fruition point of Biological Evolution.

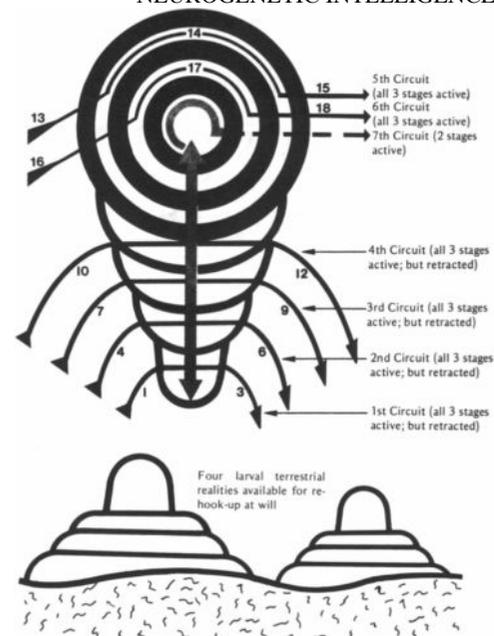
The dogmatic Neo-Darwinian theory of blind evolution was replaced in the last decades of the 20th century by the Gaia principle, which suggests that all species of living organisms collaborate in a grand web of biological intelligence. One obvious purpose of this life network is to terraform our planet and keep it fit for life.

The Earth's atmosphere continually balances thousands of delicate chemical interactions. Why did our planet not follow the path of irreversible processes that made Mars cold and Venus a hot-house inferno? James Lovelock, an originator of the Gaia hypothesis along with cell biologist Lynn Margulis, made the supposition that life itself controls the temperature and chemical environment to ensure its own survival, even in the face of great changes in the intensity of energy coming from the Sun. It is not luck, Lovelock suggested, but unconscious cooperation among living organisms, from microbes to elephants, that keeps the Earth in the peculiar state in which all species can prosper. Thus living matter, together with the air, the oceans and the continents, make up a giant and complex system which behaves almost like a living organism that maintains its internal milieu by subtle feedback processes. To this hypothetical creature Lovelock gave the name Gaia, the Earth-goddess of the early Greeks.

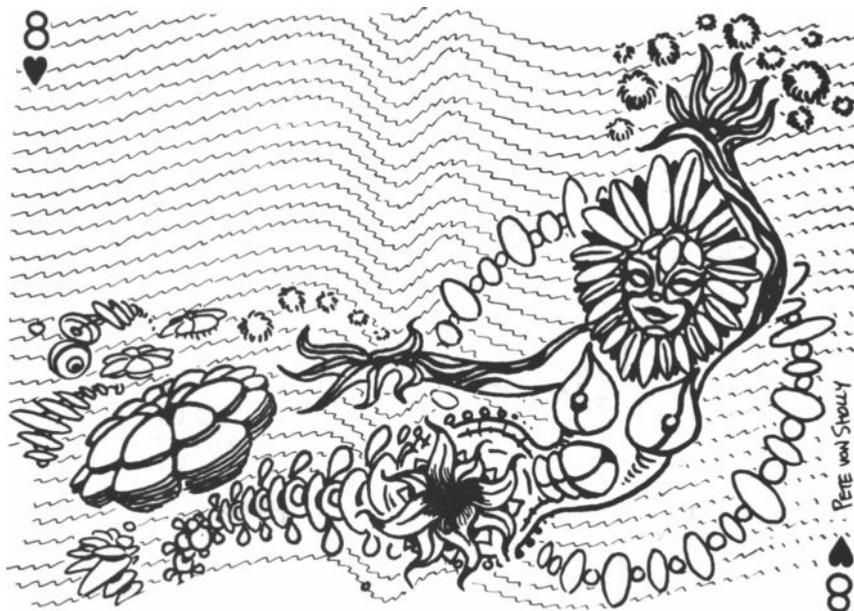
In Lovelock's theory, the air acts like the bloodstream of an animal, bringing essential supplies to all of the Earth's inhabitants and carrying waste products away. Countless numbers of humble and unregarded microorganisms play their parts in keeping this 'bloodstream' purified and replenished.

The proportion of oxygen in the Earth's atmosphere does not climb above twenty-one per cent. Should it

STAGE 20 LIBRA II NEUROGENETIC INTELLIGENCE



Stage 20 is activated when the Seventh Brain learns to control, integrate, organize Neuro-genetic signals and manipulate Chromosome. While every post-terrestrial human is designed to pass through this stage, those genetically wired to play this role are called Libra II.



* Harrington, Alan, *The Immortalist*, Random House, 1969.



rise by only a few per cent, vegetation would become so inflammable that even the tropical forests would burn to ashes. That might be a drastic way of consuming oxygen and restoring the status quo, but Gaia seems to prefer to keep the potentially dangerous oxygen within bounds. Just how the trick is done remains to be discovered.

Lovelock and Margulis, we must understand, were Evolutionary Agents impersonating scientist-priests in the primitive 20th century. Thus they found it necessary to use merchantist qualifications such as “unconscious cooperation among living organisms”; describing Gaia as a “giant and complex system which behaved *almost* [our emphasis] like a living organism.”



Implicit in the Lovelock-Margulis theory is the notion of a biological intelligence which uses DNA-RNA-sperm-egg selection to activate species in the right space/time niche to perform the evolutionary function. Now this collaboration is “unconscious” only to those human beings who are not conscious of it. Once our Stage 20 nervous systems grasp the tactics and goals of evolution then we can planfully and effectively contribute to the Gaia plan.

The Stage 20 individual has attained Biological Wisdom, a compassionate, responsible control of DNA, and an understanding of the interspecies web of Gaia Life. The CNS uses the language of DNA-RNA to create new species. Genetic Engineering based on Caste Consciousness. The Stage 20 nervous system imprints genetic “symbols” (amino acids) just as, at Stage 8, it imprints and communicates in terms of neuro-muscular symbols. Species can be invented and re-arranged by means of Ovulation Intelligence. When Stage 20 is activated one understands the mechanism of egg production and sperm selection. One groks the psychology of the Bio-Intelligence that runs the gene-pool and which systematically and skillfully produces the castes necessary to keep the gene-colony surviving and evolving. Egg selection is the technique Gaia uses to create the genetic future.

While we can sympathize with the Darwinian desire to eliminate the monomaniacal Jehovah we see that they erred when they were unwilling to replace the Judeo-Christian male with the obvious creative intelligence—egg-wisdom. To accept a creative intelligent design of biological evolution one is forced to locate the intelligence in DNA strategy. At this level God is the Egg-dealer.

A key tactic of the Evolutionary agent is to ridicule the adult-specialization which currently blocks futation. Laughter at clumsy, repetitious adults is the basic tool of the DNA-operative. When pre-adults are activated to giggle at the outmoded Terminal Adult models, the stage is set for change.

A well-known example of Stage 20 Consciousness was the experimental horticulturist Luther Burbank. “During his fifty-year-long working life, Burbank created more than 800 new strains, varieties, and species of plants—most of them useful... In his own day he was called ‘the wizard of horticulture’ and he remains the only horticulturist in history whose name was recognized all over the world. His achievements are all the more remarkable because of his lack of formal scientific training... his education came from scattered reading and observing plant life on a farm. It was his very averageness, in fact, that obscured Burbank’s unscientific and unorthodox belief that he actually did communicate with plants.”

Burbank was a puzzling enigma to other scientists who were unable to explain his uncanny success in breeding plants. To close associates, including his wife, Burbank confided that his success stemmed from his ability to communicate with plants, to teach plants what he wanted them to do. “Despite his reticence concerning communication with plants, Burbank showed no similar reserve in making public his belief in extra-sensory perception... ‘My mother’s brain was both a transmitting and receiving radio-telephone instrument,’ he wrote in 1923. ‘I inherited my mother’s ability and so did one of my sisters.’”*

Caste 20 portrays Egg Intelligence: conscious selection of the specie-ific egg and the matching sperm. The crucial, magical moment of re-creation, the passing on of the life-coil, the spiraling together of the two different codes to form a new entity. The mysterious import of this Egg-Wisdom moment of fusion has never been adequately expressed by human symbols, nor can it be consciously understood by terrestrial hive-humans. This vital flash-second of sperm-egg linkage has traditionally been kept hidden, relegated by civilized hive-societies to darkness, veiled by calculated ignorance. Conception is deliberately unconscious. The seed linkage, certainly the most holy moment of biological existence, is consistently and deliberately disregarded, hidden by repression, hypocrisy, hive metaphor. This concealment and contrived ignorance about conception is apparently a by-product of civilized, urban, technological insectoid humanity. Primitive tribal society (pre-hive mammalian) recognized the “religious,” magical meaning of impregnation and the spiritual and political life of the human tribe centered on the fertility rite, the glorification of the sperm-egg fusion.

To get into your Stage 20 brain and become an Evolutionary Agent:

- Meditate on the fact that every woman at birth is given 1 million eggs—400 of which are released to create new species.
- Take a strong psychedelic and dial the Rainbow Network to Egg Headquarters.
- Read Crick-Wickramasingh on Directed Pan-Spermia and figure out how it felt to be seed on earth and evolve on the womb.
- Relive the preceding 19 stages of evolution, step by step—always using the tactics migration, neoteny, winged-creature-flower-pollen-stamen electric-pleasure exchange.
- Genetic Evolution is either blind-struggle or created; figure out the different scenarios about the goal of evolution; decide on your own goal; stay tuned for instructions as to achievement thereof.
- Re-experience every sequence of Self-discovery, intelligence, sexual fusion at each primordial-terrestrial level of intelligence.
- Accept yourself as the rightful inheritor of the Life Design; rejoice in your compassionate-ovum-cunt power to create a bio-universe of fusion and beauty.
- Read about caste-formation by Egg Queen in a termite colony.
- Give birth to a baby.

* Ken Kraft and Pat Kraft, “Secrets of the Great Plant Wizard” Natural History, Vol. LXXXII, No. 8.

STAGE 21: NEUROGENETIC FUSION

STAGE 21 SCORPIO II NEUROGENETIC FUSION (Interspecies Symbiosis)

Neurogenetic fusion: communication with other genetic intelligences. Interspecies symbiosis. The link-up of organisms at the DNA level of energy.

Interspecies pro-creation—conscious and planful.

The formation of interstellar groupings of species. Seed cooperation. The fertilizing conversation among species intelligences,

It is obvious that when Stage 20 Neurogenetic Wizards become proficient in DNA-RNA conversation they will realize that all organic life is a unified language system.

Alan Harrington is one of the first post-Einsteinian philosophers who understood the purpose of life—“man... is DNA’s way of understanding itself.” Humanity plays a critical but transient role in getting all life off the doomed womb-planet. Humanity is the DNA engineer—working for all species—past and future. After Space Migration—an Immortal, Neurologically proficient species will evolve from **homo sapiens**.

The key to higher intelligence is direct DNA-RNA-neural communication among species. When the Genetic Engineers (Stage 20) begin to merge genes with other species—conscious interspecies symbiosis will occur. The most significant of these genetic fusions will be with species more advanced than ourselves—i.e. our selves in the future.

Here the individual (and the species) begins linking up into swarms preparatory to the migration-transformation to metaphysiological existence. Stage 21 is the final life-swarving. At this time Self-Actualized species from all over the galaxy link in communication—which is chemical-electrical and not limited to the symbolic.

The logic of the evolutionary sequence suggests this outcome: when two or more Caste 20 persons have mastered Egg Wisdom (control of new species via Egg-sperm selection) the next step is to pool this amino-acid wizardry to perform the final migration. The Body Controllers (14), the Reality Fabricators (17), the Species Makers (20) learn how to project consciousness into atomic-quantum fields and thus move directly along gravitational lines to Black Whole Central.

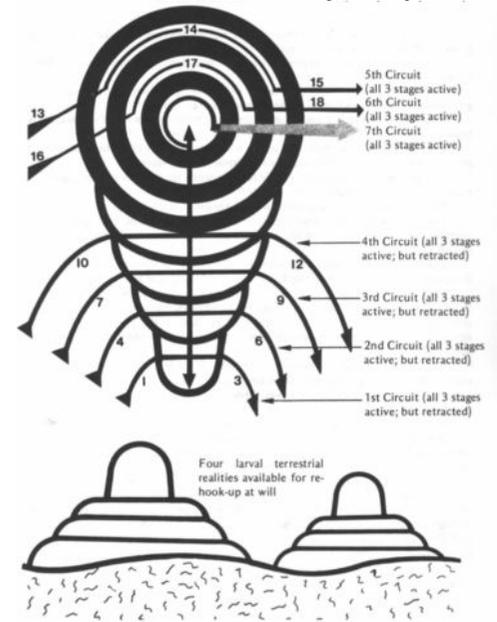
Slot 21 defines the fusion of Biological Life with the Meta-Life Intelligence. We face here the logical possibility that the multi-billion-year life cycle is, itself, but a momentary phase in the galactic energy process. The Higher DNA intelligences (our older relatives) have unquestionably learned how to master magnetic force fields, genetic engineering. They have understood how the life process is created and by what intelligence and for what purpose. Neurogenetic linkage with these more advanced Life Forms will take us to the frontier where life merges with, evolves from and back into, meta-life forms.

Stage 21 celebrates the fusion of interspecies into Neurogenetic Intelligence. When this linkage is consciously made, all life forms will benefit by the intelligence of these most advanced biological forms. Then we can attain the technical competence to transfer bio-intelligence and bio-consciousness to force fields which logically lead to the origin and end-point of galactic energy. See Species 24.

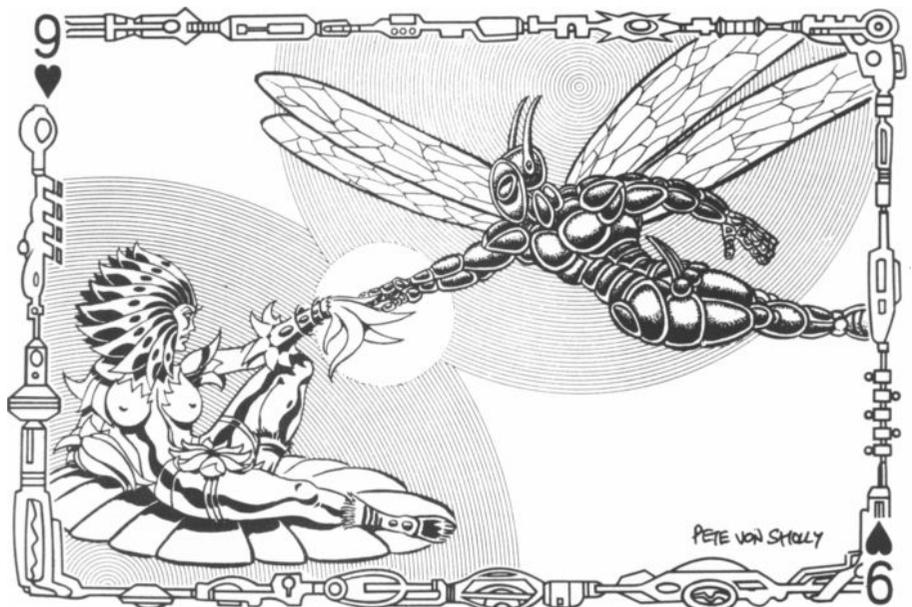
Species 21 represents Neurogenetic Fusion, the linkage of two (or more) Body-Brain-DNA wizards; the attainment of the life-unity intelligence which has been forecast for millennia by oriental philosophers, Pantheist mystics and even by the grim-terrestrial monotheistic theologians. It is the Unified Gaia Brain—the genetic intelligence of all life forms linked in communication-collaboration ready to move on to the next step. When All-Life is hooked up then it is obviously the time to migrate to metaphysiological realities.

At this stage the entire multi-billion-year DNA spectrum is a simultaneous network. The entire evolutionary sequence is coded into the DNA which resides in the nucleus of all life forms. To activate the post-terrestrial and post-body circuits, mutual-stimulation-fusions must be made.

The DNA code is, by definition, meta-time simultaneous. We can speak of “past, present, and future” when we refer to 1. DNA already manifested, 2. DNA now living, and 3. DNA not yet activated. But we must steer clear of temporal chauvinism. The DNA continually transfers itself from one body to another. The “now” is a physiological present. To DNA the entire multi-billion-year mosaic is **now!**



Stage 21 is activated when the Seventh Brain hooks up with other Neurogenetic Entities. Interspecies Symbiosis. Communication between Neurogenetic entities by means of amino acid signalry. While every post-terrestrial is designed to pass through this stage, those genetically wired to play this role are called Scorpio II.



STAGE 22: METAPHYSIOLOGICAL RECEPTIVITY

The reader is by now aware that exo-psychology assumes a hierarchy of contelligence which operates on a galactic scale.

After retracting earth-imprints, human contelligence centers in the body (Circuit 5).

The Sixth Period of evolution begins when intelligence retracts from the body and imprints the nervous system as electromagnetic transceiver.

The Seventh Period of evolution begins when contelligence centers in the RNA-DNA structure.

The Eighth Period of evolution begins when neurogenetic consciousness contacts and is imprinted by sub-atomic quantum-mechanical contelligence.

The paradox is consistent. The wider the scope of energy—in time/space, the more miniaturized the brain-center.

The body is controlled and directed by the brain.

The brain is designed/constructed and controlled by genetic intelligence which contains, within the nucleus of the cell, the blueprint design for billions of years of evolution.

The logical extrapolation of this process is to locate the master-plan which designs and constructs molecules, including DNA, within the nucleus of the atom.

Locating a higher intelligence within the atomic nucleus is teleological and speculative. It is a simple and heuristic answer to the ultimate challenging question which, although avoided by everyone else, cannot be avoided by the philosopher. It is the occupational hazard of the philosophic profession to be confronted by the persistent demand:

“Very well, you say that genetic intelligence is the immortal, invisible soul that outlives the body. But where does DNA come from?” or,

“Very well, you say that life was seeded on this planet by advanced forms of genetic intelligence. Who created DNA?”

On the basis of the scientific evidence now at hand, the best answer to the Higher Intelligence Creator question comes from the frontiers of nuclear physics and quantum mechanics. The basic energies, the meta-physiological contelligence is probably located within the nucleus of the atom.

In the exo-psychological manuals, **The Periodic Table of Energy** and **The Game of Life**, it is suggested that the Periodic Table of Elements is a basic code which transmits the evolutionary design. Each chemical element is seen as a letter in a basic energy alphabet with which nuclear contelligence writes the script of the universe. Molecules—including DNA, are texts communicated by Higher Intelligence. Super-neurons in the universal nervous system.

Such speculations are “far out” but they are surely no less believable than the orthodox Christian, Moslem, Hebraic, Hindu, Buddhist cosmologies. And they are certainly more credible than the blind-chance statistical theories of materialist scientists. Before automatically rejecting neuro-nuclear theories the reader is requested to suggest a more logical and heuristic cosmology.*

To locate Higher Intelligence in atomic nuclei which link up and communicate across inter-stellar space/time dimensions is an eminently practical and empirical decision, conservatively in accord with the miniaturization trend which finds higher biological intelligence in such tiny spaces as the cellular nucleus.

The neurogenetic theory suggests that after migration from the planet postlarval humanity will learn to receive (19), integrate (20) and transmit (21) DNA-RNA signals—thus communicating with and symbiotically linking with genetic brains far more advanced in evolution. From these older and wiser brains humanity will perhaps learn how to decipher the sub-nuclear alphabet, to receive and experience the signals transmitted by sub-nuclear particles.

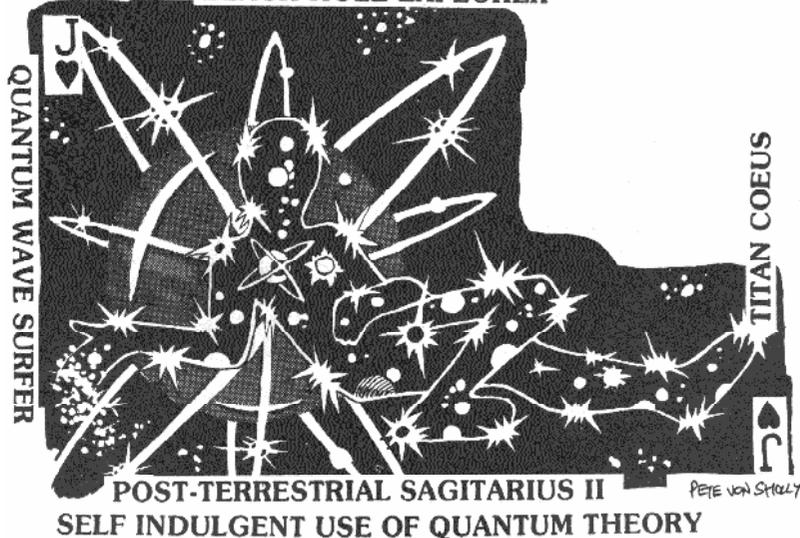
The stages of neuro-atomic contelligence (22, 23, 24) are presented here in personalized form to encourage research and thinking about the future periods of human evolution. Physicists are currently studying the sub-nuclear realm to identify the high-velocity particles which make up the language of energy. The instrument used by these scientists

STAGE 22 SAGITTARIUS II NEURO-ATOMIC RECEPTIVITY: META- PHYSIOLOGICAL CONSCIOUSNESS



Stage 22 is activated when the Neurogenetic Brain begins to receive Atomic nuclear signals. Phylogenetically this stage is meta-physiological and is personalized as Sagittarius II.

BLACK HOLE EXPLORER



* The theologically sophisticated reader will note that exo-psychology presents in scientific language and in a heuristic context, classic Catholic doctrine. The soul (DNA) rises to heaven (planetary migration) and joins the community of Saints (precedent DNA contelligence) to converse and unify with the Creator.

is the human nervous system, expanded and sensitized by experimental hardware (linear accelerators, etc.). Exo-psychology seeks to provide the concepts which will allow nuclear physicists to **personalize** sub-nuclear events so that they can be experienced.

The great penetrations in our understanding of natural events come when the scientist succeeds in experientially empathizing with natural processes. We think of Kekule's serpent dream which set the stage for organic chemistry. And the use of the billiard-ball model by physicists to experience atomic events.

One of the most dramatic illustrations of the revelations which can accompany the direct experience of basic energy processes comes from the life of Albert Einstein, who apparently did not bother to express himself in 3rd Circuit symbols, i.e. did not talk, until the age of seven.

Legend has it, however, that this frail, Jewish lad living in exile in Switzerland, spent much of his time imagining what it would be like to be a photon.

Einstein's ability to write the basic equations of energy-matter may have resulted from his having experienced in his own body and brain the implications of light-speed travel—which had been reported for centuries by mystics and yogis who were not able to symbolize them in mathematical form.

Each cell in our body is composed of atoms. Sub-nuclear events inside each atom determine the elemental processes. Thus we can say that our bodies and our nervous systems are based on sub-nuclear events.

The Eighth Period of evolution involves the transception by the neurogenetic intelligence of nuclear signals. The conversation clearly exists. When post-human contelligence begins to receive sub-nuclear messages, Stage 22 will have been attained. We expect that humanity will be instructed in the reception of nuclear signals by higher intelligences contacted after leaving the planet.

We can expect that the receptive stage (22) of neuro-atomic consciousness will, as was true with the other receptive stages (13, 16, 19), involve hedonic exploration. An immediate corollary is the practical suggestion that nuclear physicists approach the phenomena they study, not as manipulative scientists bombarding protons with the hope of winning a Nobel Prize, but as adolescents about to experience the power and thrilling revelation of a new energy level. Such a modestly personal posture will prepare them for the more complex modes of understanding (Stage 23) and fusion (Stage 24).

When the Eighth circuit is activated, the nervous system projects onto (or is absorbed into) quantum-gravitational structures. The Brain and DNA freed from the limitations of electro-molecular structures are accelerated beyond the slow, organic material-hardware rhythms of individual and species evolution.

The nervous system has now fulfilled its functions of transporting and communicating idiosyncratic bio-information to the Quantum-Gravitational (Q-G) intelligence.

Here we face and transcend the final stupid-chauvinism—the myth of the Bleak Impersonal-Galactic reality. The myth of the Black Hole. We now experience the final loving revelation: the basic forces which energize the atomic nucleus and hold the universe in gravitational structure are not blind, meaningless, destructive explosions-implosions. The universe is a loving intelligent Singularity fucking sweetly at every level of space-time. The same beautiful, harmonious rhythms and exchanges and force-fields direct the behavior of electrons, of amoebae, of humans and of galaxies. The direction comes from the Singularity inside each Black or Violet Whole.

The grim, cold cosmologies of Judeo-Christian mathematicians are predictably wrong. Is it not more cheerful and heuristic to assume that all forms of energy-matter are parts of an intelligible, protective web of meaning? The universe, we insist, is a warm, loving, funny, cuddly place.* The evolutionary trick is to understand and master the quantum jumps (which we have called migrations) from one level of reality to another.

The Eighth Circuit nervous system, empathetically understanding the basic attitude of spin, the quantum fabrication of reality-grids, the sucking-return to Gravitational Center, can accelerate to the levels necessary to build stars, move at meta-light speeds, chart our voyage step-by-step back to the final galactic attractive Singularity.

Here the post-terrestrial human species attains access to the inner-workings of the Q-G (Quantum-Gravitational) reality computer. The universe, as it turns out, is an All-Star, First Class Re-Union of Self-Actualized Singularities.

Stage 22 represents the first phase of Meta-Physiological Consciousness. Sub-Atomic Gravitational Consumerism. This is the stage of quantum rapture, the post-body consciousness receiving the input of the contelligent force-fields, stellar and gravitational, which comprise the nervous-system of the universe.

The preceding stage, 21, involves the fusion of the genetic mind of the species, the attainment of Gaia Contelligence. The symbiotic linkage with other biological forms which prepares for the inevitable transformation of consciousness-intelligence beyond the limits of organic life into nuclear form. Metabiological.

The first reaction of the Metas to quantum-gravitational consciousness will undoubtedly be similar to the familiar neoteny response at the initiation of lower circuits: rapturous exploration, adolescent experimentation, confusion, delighted self-indulgence. Self definition as a meta-physiological galactic teen-ager—imposing one's own style on the universe.

The pleasure involved in meta-physiological experience is beyond the scope of neuro-linguistics, beyond words. However, some fore-caste experimenters have reported experiencing at this level.

"Contelligence flashed at the speed of light. Extremely pleasurable and perfectly beautiful. Soft, humming, smooth, shining. Nothing exists, of course, except lines of radiation and webs of gravitation. The sub-atomic, fluid, velocity nature of things was apparent. Time *is*. Eternity is simultaneous. Everything seemed luxurious, deeply textured because everything was made of time. Including my body-brain. Inanimate objects flowed through time, like rapidly flashing cards. All knowledge that ever existed was

* *And if it isn't, then we shall re-make the Universe in our own image so it becomes a warm, loving, funny, cuddly space. We are smarter and more attractive than chance. We'll simply stack the deck and make it a winning deal.*

instantly and simultaneously available. And infinite other unmanifest possibilities. I cannot describe the thrilling, fulfilling impact of this discovery. I could experience everything that everyone had ever experienced. I could instantly be anywhere, re-animate every event I had read about. For example, re-live the entire life of Cleopatra, Asoka, Helen of Troy, fuse their lives and factor them into my own. I recall feeling a bit self-indulgent taking time to play with energy this way. Then I wondered what I was supposed to do with this power, felt a flicker of fear that I might flash out somewhere and not be able to get back. Then I realized that there was no 'back' —that everywhere was here. Great joy at the thought that my friends could arrive at this state."

Stage 22 marks the entrance into the galactic network. Transcendence of the biological container. If experience at the self-indulgent consumer stages of the lower circuits is any precedent, there will be a chauvinistic tendency to get involved in one singular set of dimensions, one frequency of the spectrum. With infinity available there is the inevitable likelihood that one will spin around certain favored eddies and whirlpools in the ocean of energy. This is the neoteny tactic. Let the kids fabricate their individuality. Thus does Singularity create new species, new universes.

At the self-indulgent stage of the 5th circuit we saw cults emerge around every sensory organ and hedonic source. The hippie, yogi movements encourage sensory chauvinisms. Somatic singularity.

At the self-defining neotonous phase of the 6th circuit a similar consumer indulgence occurs: gratification provided by the nervous system used as electromagnetic receiver. The singularity of the reality fabricated by *my* brain.

These forms of paedomorphic indulgence are a necessary part of DNA strategy; they assure that every personal avenue, every idiosyncratic, far-fetched possibility, every extreme position, every side-alley is explored. And they allow for self-definition at the new level. Singularity, i.e., self-hood, is the basic tactic of universal evolution.

Here the individual and the species have mastered genetic engineering, left the FLOWER PLANET and migrated towards galactic center, where the busy energy action takes place.

At this point it is logical to leave the biological form and to assume quantum-nuclear consciousness. At this point the technological tool is the nucleus of the atom and the galaxy is the niche. This continues the sequence that has guided the course of evolution.

When the Body (Neurosomatic Intelligence) becomes the tool, then it is possible to use the automobile body to leave the terrestrial hive and to move freely throughout the planet.

When the Brain (Neuro-Electric Intelligence) becomes the technology then it is possible to build new worlds which then become new ecological niches. When DNA becomes the instrument then it is possible to leave the solar system.

The first stage in nuclear-post-physiological consciousness is self-definition as quantum consumers, audiences for the great Black Hole Show, free-riders on the great Galactic Express, self-indulgent-eternal-summer surfers on the great gravitational wave back to Grand Central Station.

STAGE 23: NEURO-ATOMIC CONTELLIGENCE

The preceding stage exposes the brain to the high-energy language of the atomic nucleus.

Metaphysiological contelligence integrates, engineers, organizes nuclear particles. Creates atoms.

At this stage the basic energies which comprise all structure in the universe are available for management. The metaphysiological contelligence constructs atoms, DNA chains, molecules, neurons; sculpts, designs, architects all forms of matter by manipulating nuclear particles and gravitational force fields.

At this point in evolution, contelligence no longer needs bodies, neurons, DNA designs. It may be that the universe is a nervous system—a contelligent network—in which sub-nuclear structures act as basic neural signals. The space/time coordinates of the unified force-field is probably of a very different order from that of the bio-neural system—billionths-of-a-second time spans simultaneous with billions of light years.

Nuclear physicists are just now developing a vocabulary for Sub-Atomic Nuclear Events (S.A.N.E.). Ascertaining the semantic meaning of units of contelligence such as muons, lepton, bosons, hadrons, J-Psi particles is the beginning step in the understanding of the metaphysiological “brain.”

These speculations may seem fanciful and may elicit disdainful reactions from “hard-headed” scientists—but a good case can be made for their practicality. The thinking of every nuclear physicist is influenced by cosmological and teleological concepts, however vague and unconscious they may be. Every scientist was taught a philosophic system in childhood and these early religious notions have profound effects on later views of nature, even though they are usually implicit. Indeed, unconscious childhood religious assumptions are probably the basic directive and limiting factors in the way nuclear physicists deal with their data. Suppose that the scientists who now compose the membership of the American Physical Society had been, as children, regularly exposed to the Interstellar Neurogenetic theory in Sunday schools thirty years ago. If this had been the case, the first colonizing starships would have already left the solar system and our understanding of metaphysiological signals would be far more advanced.

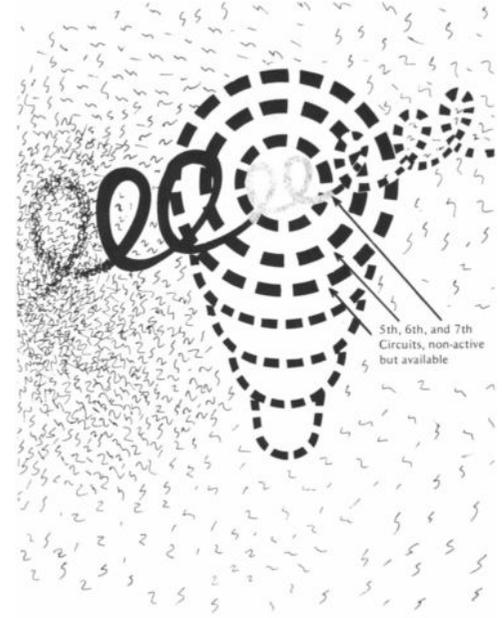
Failure to anticipate future evolutionary possibilities is genetic stupidity. Any projections of mutations to come—as long as they are based on current scientific data—are better than none. We can only find the future if we look for it.

Equally important is the necessity to animate, personalize scientific data. All that we know about the laws of nature, about atomic and sub-atomic events, is mediated by the nervous system. All science is neuro-ecology. All our observations of the universe are neurological events. The brain is the recording instrument. Instead of forcing nature to fit the three dimensional model of our L.M. symbolic mind, we must allow our nervous systems to be imprinted by the raw data—learn to think-experience like DNA, like electrons, like sub-atomic particles.

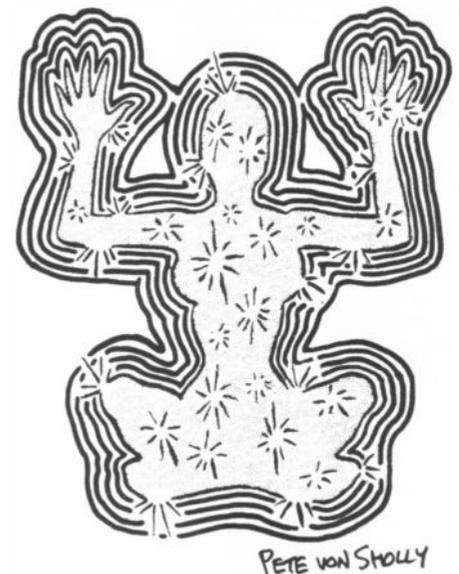
“All of the physics of the microworld today is quantum physics. There is no competing theory. Quantum mechanics envisions the world as being made up of sudden discrete events which it describes in an essentially statistical manner... Quantum mechanics, being a theory of collectivities, doesn't say anything about the occurrence of discrete events which combine to make up its averages... It isn't quite true that quantum mechanics is silent about the occurrence of these fundamental events. It says that they are unpredictable... There events are truly lawless—quantum banditos—and it was this anarchistic aspect of the quantum picture that provoked Einstein to say that he could not believe that God played dice with the universe.

Is there a super theory that can explain these quantum events and get quantum physicists out of their government-sponsored casinos and back to the business of “real” mechanics again? Such theories are called “hidden-variable theories”... The discovery of radical anarchy at the quantum level was profoundly distressing to Victorian physicists who had set their hopes on a more predictable clockwork universe. However, some of the more intellectually flexible savants among them wondered if this deep-rooted uncertainty could be turned to some advantage. Could newly discovered freedom at the subatomic level be identified with subjectively experienced freedom of will which each of us carries inside? This pat solution to the mind/body problem has been almost unanimously rejected by the physics community for a variety of reasons. Even if some small critical system in the brain were unaccountably found to be subject to quantum fluctuations, these fluctuations would be merely random.

STAGE 23 CAPRICORN II NEURO-ATOMIC INTELLIGENCE: META- PHYSIOLOGICAL



Stage 23 is activated when the Eighth Brain begins to integrate and manipulate atomic-nuclear signals. Phylogenetically this stage is meta-physiological and personified as Capricorn II.



“Randomness is antithetical to the inner freedom which we seem to experience. Randomness is the opposite of freedom. So, in brief, run the arguments against a hidden variable theory of consciousness... It was in this climate of opinion that E. H. Walker decided to... explore in some detail possible models for the ENTRY of mind into the world of matter thru the opening provided by fundamental subquantum disorder... As his central postulate Walker asserts that any system dominated by quantum mechanical fluctuations is conscious... Human beings are an example of a particularly direct form of coupling of quantum-fluatuante Being to matter... Walker’s theory envisions two worlds—the physical world of P’s, (i.e. material variables such as energy, length, space and time) and the conscious hidden-variable world of C’s. Together the P’s and C’s constitute the entire universe of being. Inert matter is made up of P’s and we, when conscious are full of C-LIFE—life of the spirit... In certain netlike regions of the central nervous system only a few packets of transmitter substance are released for each pulse of presynaptic depolarization. It is in these loosely coupled regions of the brain that spirit takes on the human form.

“Through our still-viable connections with the world of hidden-variables (C-LIFE) we can participate in processes which appear to violate ordinary physical law. Some of our joint participations surface in the world of P’s as para-psychological phenomena... What sort of entities besides ourselves occupy the subquantum worlds of C-LIFE? Is it the fabled Summerland world of departed spirits? An invisible theophany of purposive God-like beings with courts of demons and angels? Are there complex alien cultures completely independent of the physical world of P’s luxuriating just beneath the surface of the phenomenal world?

“A novel first approach to an “exobiology” of subquantum alien life-styles is to not treat so-called physical phenomena as merely physical but to regard it as having “meaning” in much the same way that secret and occult meanings are found in Biblical texts by analogical and cabalistic reasoning. We construe the physical world as a vast and ongoing “message” and try to put ourselves in a position to be sensitive to what is being voiced. In this view our entire physical science of quantum mechanical averages represents only the “speech statistics” of matter’s complex and lively symposium. It is the individual events themselves—the particular sequences—that contain participation in the song that is everywhere rising around us.

“Some idea of the essential strangeness which underlies the quantum level is provided by the recent theorem due to J. S. Bell’s theorem which says, essentially, that if quantum mechanics gives correct results, the subquantum world must be “non-local”—connected together in an intimate way in an instantaneous web of relationships. In this view, once two particles have interacted, they are in some sense connected forever on the subquantum level... Once we have interacted with something or someone, are we forever connected to them? What does Bell’s theorem have to say about psychometry, about the interpenetration and “stickiness” of personalities? Should we guard our hair and nail clippings against magical misuse by enemy sorcerers? How can we experimentally foster these strange linkages; what is the relative effectiveness of palmistry, massage, sexual union in increasing Bell-type interconnectedness. How about sitting together in a hot tub?... It may be that for reasons similar to those advanced against a hidden-variable theory of consciousness that Bell’s astonishing theorem does not play any part at all in human affairs... The unflinching contemplation of what Bell’s theorem really has to tell us about separateness may act as a kind of spiritual exercise to bring about a similar delocalized state in the mind/world of individual scientists. For those who come to understand it, Bell’s theorem can act as a powerful image reminding us of Nature’s ability to casually surpass our naive notions of what must be so.”

Nick Herbert

The Galactic Intelligence is a sub-nuclear gravitational force field which probably centers around Violet Holes and which may exist within the nucleus of every atom. At stage 23 the individual and the species has activated nuclear, gravitational-field, quantum-mechanical and Black Whole energies, has transferred con-telligence from biological to physical structures and has attained the status of Quantum Engineer—this accepting the responsibility for the creation of stars and galaxies.

At every stage of evolution the issue is transportation-communication. From plankton to Planck the rule of life is always the same: I². Intelligence Increase. Become more proficient in transportation-communication.

Spin is the key. Orbital spin and personal spin. Everything in the universe is spinning, and the use of spin, the management of spin is the secret of efficient mobility. Nuclear particles spin, and their interaction is determined by spin.

Electrons spin. Our little embryo planet, *Flora*, rotates around its own axis spinning every living creature and every inorganic molecule along with it. And the planets wheel around the sun, which, in turn, spins around the galaxy center, which in turn rotates majestically around a farther center.

The universe is a quantum-energy-lattice—a predictable web of fast-moving energy currents. The trip to galaxy center becomes a simple navigational problem, no more different from moving around a great hive-city like New York.

First, locate yourself. Then realize the mission—to move to Grand Central Station. Then activate in yourself the quiescent neurotechnologies—which step-by-step will take you to the main vector avenues to Up-Town. Learn how to transfer from local to express lines. Understand that the “trains” do not stop; it is, rather, your task to accelerate to the correct velocity to link-up. Then—switch-switch-switch—and you are there.

The basic neurotechnology—as always—is Self-Confidence. Self-definition as a galactic sailor, as a post-terrestrial fast-moving, high-flying navigator. Suddenly the revelation flashes: the galactic tides are doing the work! Gravitation from Grand Central is pulling us homeward! Our task is simply to free ourselves from the grasp of the past and surf the waves to the ultimate re-union.

Once the transfer of consciousness into the galactic intelligence has occurred, one then participates in the spinning gravitational dance of the whole. Towards the center.

STAGE 24: METAPHYSIOLOGICAL FUSION

STAGE 24 AQUARIUS II NEURO-ATOMIC FUSION

As we have seen in the seven preceding circuits—exploratory receptivity is followed by integrative control and then by synergistic fusion with other elements at the same level of contelligence.

Neuro-atomic fusion (star-light) involves force-fields of interstellar magnitude and implies a unified galactic consciousness.

The assumption is made that gravitational, electro-magnetic and sub-atomic force-fields that comprise the universe are part of a coherent and conscious network.

Any eschatological discussion of galactic fusion must include the phenomenon of Black Holes. Whirlpools of anti-matter.

Many astronomers believe that there are millions of Black Holes in our galaxy—indeed, that the center of our galaxy may be a Black Hole.

The intense gravitational attraction of Black Holes sucks in the surrounding matter. Black Holes, it is thought, may be the anti-matter, anti-energy counterparts of the positive universe.

Interestingly enough, many physicists are now coming to the conclusion that the elementary particles within the nucleus are Black Holes—that the “strong force” which holds the atomic nucleus together is super-gravitational.

If this theory is true, Black Holes provide the final fusions. The final vortex. The linkage of the universe of everything with the void of everything.

Here the individual and the species begins linking up in swarms and migrating to... we assume... the Black Whole. Or to whatever ecological niche becomes available at this advanced level of contelligence.

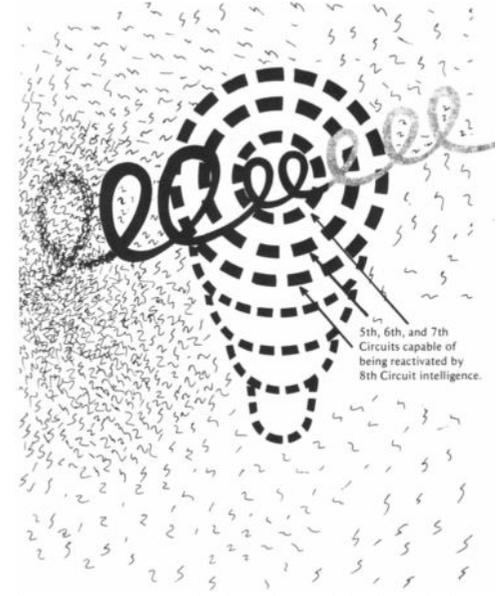
The ultimate destiny of all interstellar matter-energy (i.e. information) is to be tenderly sucked into a Black Hole. A basic duality exists at every level of energy—from the sub-nuclear to the galactic—the magnetic-sexual attraction of the complementary opposites. It seems aesthetically right, somehow, that the final teleological goal of existence is the magnetic attraction that pulls us within the great, sucking central womb. This final magnetic implosion is not the horrible, destructive process described by Judeo-Christian scientists. We recall it is a step by step process. As we move into the flux and crush of a singularity, true, the velocities, pressures, plasma intensities are enormous. But we reach there gradually and, as we speed up, so does everything else. There is no reason to believe that the hurtling sucking plunge into the Violet Whole is not as sequentially sweet and harmonious as love-making. Each click-click closer increases our power and intelligence. It is, of course, the ultimate orgasm with everything. The all-out revelation fusion-flash.

“In one speculative view... an object that plunges down a rotating black hole may re-emerge elsewhere and elsewhere—in another place and another time. Black holes may be apertures to distant galaxies and to remote epochs... The most serious obstacle would be the tidal force exerted by the black hole during approach—a force that would tend to pull any extended matter to pieces. And yet it seems to me that a very advanced civilization might cope with the tidal stresses of a black hole... How many black holes are there in the sky? No one knows at present, but an estimate of one black hole for every hundred stars seems modest, by at least some theoretical estimates. One can imagine... a federation of societies in the Galaxy that have established a black hole rapid-transit system... through an interlaced network of black holes to the black hole nearest its destination.” (Carl Sagan, *The Cosmic Connection: an Extraterrestrial Perspective*.)

We were seeded on a bio planet orbiting a small star located on a far out spiral arm of our galaxy light years away from the galaxy center. We are boon-dock bumpkins far removed from the high powered brain center of the galaxy where intelligence operates at much greater velocities, radiation levels and gravitational pressures. It is our genetic destiny to move step-by-step along the lattice-work of energy-fields towards galactic center, becoming steadily faster, more intelligent, more mobile.

We must not make the lumbering earth-locked, anthropomorphic assumption that because astrophysical processes are impersonal, meta human, that they are non intelligent. Just because a gravitational field or a galactic information-network does not make pee pee or vote the straight Republican ticket SHe is not planful, powerful, and humorously in charge of galactic evolution. I find it inconceivable that the galactic mind is less funny and perceptive than I am.

Central to the understanding of meta-physiological realities is the substitution of the 21st-century term *Intelligence* for the 19th-Century concept *Work-Energy* and for the 20th century notion *Atomic-Nuclear-Energy*. If we define DNA as information and genes as Intelligence Agencies (i.e. having the ability to receive, analyze-store and rhythmically transmit information), then by definition evolution is the increase in Intelligence. (Intelligence = the gathering, analysis-storing and transmission of information.) Evolution is not survival of the fittest; it is the Increase in Intelligence. Matter is the freezing, storing of bits of information; energy is the movement of quanta of information. The universe is an enormous, totally efficient information-processing network, a brain. Matter and energy are the centers and pathways of the information network. Everything is an item of intelligence.



Stage 24 is activated when the Eighth Brain links up with other Neuro-atomic Intelligences. Phylogenetically this stage of Neuro-atomic Domestication—Black Hole Fusion (?) is called Aquarius II.

