

Neo-Tech
The Philosophical
Zero

by
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Aristotle 384-322 B.C.

A
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Neo-Tech

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The Voice of Honesty

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ABOUT THE AUTHOR

Ray Kotobuki is a professional thinker/businessman and a writer/researcher in the fields of philosophy, science, and business. Born in Japan in 1954 in a highly mystical atmosphere, Mr. Kotobuki was trained to be a priest/scholar in a Zen Buddhist order. He then traveled to India for further study in Eastern philosophy and psychology. His aptitude for mathematical logic and interest in science eventually made him reject an anti-reason philosophy and brought him to the discovery of the EPISTEMOLOGICAL INVERSIONS of the cognitive process which characterize all mystical philosophies. His reading in 1984-1985 of Julian Jaynes' THE ORIGIN OF CONSCIOUSNESS IN THE BREAKDOWN OF THE BICAMERAL MIND and Dr. Frank R. Wallace's NEO-TECH firmly established him in the task of eradicating mysticism from the planet.

THE VOICE OF HONESTY

For three millennia since the dawn of consciousness, humanity has lived under the spell of mysticism. Mysticism is the disease, epistemological disease, of human consciousness which promotes, internally as well as externally, false notions that create problems where none in fact exist. Mysticism is the seed of dishonesty that involves rationalizations, *non sequiturs*, and mind-generated "truths" and "realities." Mysticism is also the ground of neocheating wherein the seed of dishonesty proliferates into the monstrous noxiousness that destroys values and causes suffering.

However, despite all-afflicting, omnipresent mysticism, amidst pervasive destruction and suffering effected by noxious neocheating, man has brought a monumental edifice of knowledge and values into existence. That edifice of knowledge and values is literally the monument of man's virtues -- of heroic effort and honesty exerted countless times by the producers of values among us. Such value producers include Philolaus, Aristarchus, and Copernicus in astronomy; Galileo, Newton, and Einstein in physics; Aristotle, Ayn Rand, and Frank R. Wallace in philosophy; and Jay Gould, Henry Ford, Mark Hamilton, and Soichiro Honda in business.

Honesty needs no support save the evidence of reality, while dishonesty begets myriad distortions of reality in order to sustain its frail existence. The voice of honesty is confident, firm, yet quiet. The voice of dishonesty is uncertain, flimsy, but loud. The loud voice of dishonesty seems to have prevailed throughout history by the sheer force of its volume, yet it is the voice of honesty that has permeated the world and carried humanity always forward. The roots of dishonesty are now identified for the first time by Neo-Tech (the voice of *fully integrated honesty* based on contextual facts and objective reality). Neo-Tech will forever uproot dishonesty by curing mysticism and eradicating neocheating, and thus the voice of dishonesty will no longer be heard on this planet.

Through Neo-Tech, at last the time has come for the voice of honesty to prevail. At last the time has come for the lives of honest men and women to soar into power, prosperity, and happiness. At last the time has come for the Neo-Tech world to unfold. In light of the monumental values that man has produced within the last three millennia *despite* prevalent mysticism and neocheating, imagine how much value humanity can produce *without* mysticism and neocheating. It is indeed to imagine the unimaginable and to think the unthinkable. For, with Neo-Tech (fully integrated honesty), humanity now steps into the dimension of infinity and the realm of eternity...into infinite value and eternal life.

History, science, and philosophy interweave in harmony throughout this treatise to bring to light a resplendent new system of knowledge -- Neo-Tech, while revealing, implicitly as well as explicitly, a new stratosphere of conscious intellection -- Neothink. Upon reading this treatise, readers will not only gain knowledge of little-known aspects of history and science but will also be able to integrate Neo-Tech and Neothink to reach new heights of awareness, prosperity, and happiness forever. This treatise is a window to human history and a preamble to eternity that chronicles the ascent of human consciousness through the purgatory of mysticism into the sunlit universe of Neo-Tech/Neothink.

1. THE COPERNICAN REVOLUTION

In the center of everything rules the Sun; for who in this most beautiful temple could place this luminary at another or better place whence it can light up the whole at once? ...In fact, the Sun sitting on a royal throne guides the family of stars surrounding him...the Earth conceives by the Sun, and through him becomes pregnant with annual fruits. In this arrangement, we thus find an admirable harmony of the world, and a constant harmonious connection between the motion and the size of the orbits as could not be found otherwise.

-- Copernicus

The publication of "On the Revolutions of the Celestial Spheres (*De revolutionibus orbium coelestium*)" by the Polish astronomer Nicolaus Copernicus (1473-1543) in 1543 marked a complete break from the entire system of ancient astronomy previously conceived by Greek scientists such as Eudoxus, Callippus, Aristotle, Apollonius, Hipparchus, and ultimately by Claudius Ptolemy. The system which those Greeks had developed has been termed *the geocentric (Earth-centered)* theory of the universe. The new system which Copernicus propounded has been termed *the heliocentric (Sun-centered)* theory of the universe.

By ascribing to the Earth a daily spin on its own axis, which gyrated, and an annual orbit around the Sun, which was stationary, Copernicus evolved a new system of the universe which opposed Aristotle, who had cogently argued the fixity of the Earth. This provided a superior alternative to Ptolemy's geocentric universe, which had been propounded in his "Mathematical Compositions" (also known as "*The Almagest*") and which dominated the astronomical conception of humanity for over 1400 years.

In Western Christendom the views of Aristotle and Ptolemy had been elevated to the level of religious dogma, and to many thoughtful intellectuals of the Renaissance, those views stifled further development in science and were long overdue for revision. The geocentric theory had also been used as the "scientific" basis for the Christian theological/cosmological notion of a two-dimensional flat world existing sandwiched in parallel between Heaven above and Hell below. Copernicus was the first to successfully challenge the authorities of antiquity. In his search for a true picture of the "divinely ordained cosmos", Copernicus dethroned the Earth from the center of the cosmos and opened a new path which was to lead to the eventual dethronement of "God" himself.

Copernicus, however, refrained from publishing his work for nearly two decades. He feared the ecclesiastical jitteriness, which arose out of the dissensions between Catholics and Protestants. For his work might cause sufficient scandal for him to be charged with impugning the "authority" of the Church through his assertion that the earth was neither fixed nor at the center of the universe. That assertion might be construed as contradicting one "authorized" literal interpretation of certain passages in the Bible. But Copernicus was finally prevailed upon by his friends to allow his student, Rheticus, to publish his work. Toward the end of 1542, Copernicus was seized with apoplexy and paralysis; on May 24, 1543, an advance copy of his work was presented to him. On that same day he died, leaving behind a magnificent contribution -- a revolution in man's concept of the universe.

No longer could the Earth be considered to be the center of the universe nor could it be considered the epitome of creation or the center of all change and decay with the changeless cosmos encompassing it, for it was now a planet just like the others, simply yielding to mathematical description. No longer was it accurate to state that the Sun "rose" or "set" upon the Earth nor was it valid to view the universe in terms of "up" and "down" or "above" and "below", for those concepts were all perceptual delusions and had meaning only within the confines of the geocentric universe.

The revolution of knowledge that began with the publication of "On the Revolutions of the Celestial Spheres" and led to the further discoveries by Johann Kepler (1571-1630), Galileo Galilei (1564-1642), and Isaac Newton (1642-1727) is rightly termed "The Copernican Revolution". The value of the Copernican Revolution, however, does not end in the fact that Copernicus brought about a complete shift in man's philosophical conception of the universe. He epitomized a revolution in man's consciousness as well.

Through his identification of the physical structure of the universe, Copernicus eloquently demonstrated the power of reason and consciousness when unhindered by perceptivity-bound preconceptions. Through Copernicus, the universe evolved from a mere sensory/perceptual experience into a conceptual scheme or design which transcended immediate human perception. For perceptivity-centered consciousness does not take perceptual experiences as data but as conclusions, whereas conceptuality-centered consciousness takes experience, perceptual as well as conceptual, as data and constructs a model that reflects the structural design of the universe. There is a subtle but unmistakable distinction between the two, and that distinction is what the Copernican Revolution exemplified in the history of human consciousness.

A profound restructuring of consciousness and a considerable conceptual leap is required to conceive of a heliocentric universe in which the Earth is in motion around the Sun while spinning on its own axis. Copernicus vividly demonstrated the conceptuality-centered conscious mode at the dawn of modern history and elevated human consciousness to the level that had once been achieved by the Greeks 1700 years before him.

Perception is always concerned with events, whereas conception is primarily concerned with interrelations between events. And the universe is the complex aggregate of the whole interrelations of events in existence. In order to comprehend that complex aggregate of interrelations known as the universe, one must transcend the seeming subjective reality of perceptual experience and construct a conceptual map in concordance with logic that best reflects the underlying design principles of the universe. By moving from the perceptivity-centered to the conceptuality-centered, one enters the realm of objective reality, and it is the knowledge of objective reality that gives the power to harness and control the universe -- power that can be claimed only by a conscious being.

When one is fully integrated in conceptual consciousness, he can enter the sphere of Neothink. Neothink is forward moving integrated consciousness completely free of mysticism. Neo-Tech is the system of knowledge through which Neothink is fully realized. What the Copernican Revolution started Neo-Tech completes, and brings forth a new revolution, the Neo-Tech Revolution, which will take humanity into dimensions of knowledge never before imagined.

Since its birth about 3000 years ago from the bicameral mind, consciousness has taken three distinct modes of operation: the first is the *perceptivity-centered mode* that emulates the bicameral mind and takes perception as the conclusive picture of reality while using concepts to rationalize perception -- exemplified by the geocentric concept; the second is the *conceptuality-centered mode* that takes experience, perceptual as well as conceptual, as data to construct the conceptual model of reality -- exemplified by the heliocentric concept and the Copernican Revolution; the third is the *Neo-Tech/Neothink mode*, that operates contextually, synergistically using both hemispheres of the brain to develop never before known integrations and concepts.

Frank R. Wallace's epochal discovery, Neo-Tech, was not only a breakthrough in knowledge but also a revolution of human intellection. Neo-Tech and Neothink are symbiotically linked in the same manner as the Copernican Revolution and the conceptuality-centered mode. Every time a new integration of knowledge is formed, an element of Neothink is always involved. However, except for Neo-Tech, no system of knowledge has ever identified a contextuality-centered, Neo-Tech/Neothink mode. Thus, no system of knowledge has ever explored the unseen dimensions of Neo-Tech/Neothink and developed it to its fullest potential. With the Neo-Tech/Neothink mode, the perceptivity-centered mode becomes obsolete and the conceptuality-centered mode evolves into entirely new dimensions.

2. THE LOST KNOWLEDGE OF THE GREEKS

During the first decade of the 16th century when Copernicus was still forming his astronomical hypotheses, he read the works of many Greek authors and found that heliocentric ideas had already been propounded. He mentions in his work some of those Greek mathematician-astronomers who held distinctly different views of the celestial system from that of Aristotle and Ptolemy, although not necessarily heliocentric, such as Philolaus, Hicetus, Ecphantus, and Heraclides ("On the Revolutions of the Celestial Spheres", Book One). Indeed, the geocentric theories were not the only systems known to the Greeks, nor even at times the most accepted.

Between the sixth and fourth century B.C., there was a philosophical society known as the Pythagorean society in Greece. Pythagoras of Samos (c. 582-500 B.C.), founder of the society, traveled extensively in his youth by way of the sea to the East as well as to Egypt, and not only accumulated a wealth of knowledge from different corners of the Earth but also obtained a unique perspective that was possible only for the celestial navigator-businessmen of the time, i.e., the sphericity of the Earth.

Astronomy and mathematics, particularly trigonometry, originated to a great measure among those celestial navigator-businessmen of antiquity whose survival almost entirely depended upon knowing the relative positions and movements of the celestial bodies. Furthermore, while traveling across the sea by observing the movements of the celestial spheres, it became revealingly clear to them that the Earth was a spherical entity. (Around 200 B.C., three hundred years after Pythagoras, Phoenician navigator-businessmen circumnavigated the Earth for the first time in recorded history and proved that the Earth was indeed spherical, preceding Magellan by more than 1700 years.)

Pythagoras returned to Greece with the perspective and the knowledge of the navigator-businessmen, along with other knowledge which he acquired in the far corners of the world and founded at Croton, a Greek colony in southern Italy, an academy that was devoted to a life of mathematical speculation and philosophical contemplation. It is clearly evidenced that the Pythagorean scientists were the first recorded humans in history to conceive of the Earth, the celestial bodies, and even the universe as a whole, as spherical entities.

Around 410 B.C., the Pythagorean mathematician Philolaus of Tarentum (c. 480-400 B.C.) conceived of the Earth as a spherical body in motion around a central cosmic fire. He also postulated that the stars, the Sun, the Moon, and the five known planets -- Venus, Mercury, Mars, Jupiter, and Saturn -- were spherical bodies. His Sun was not at the center; as the Earth revolved around the central fire once a day and the Moon once a month, the Sun moved around the same cosmic fire once a year. The other planets took even longer periods to orbit around the fire, while the sphere of the fixed stars was stationary.

Around 350 B.C., a latter-day Pythagorean, Heraclides of Pontus (c. 373 B.C.), conceived of the Earth sphere as spinning west to east, adopting the earlier view of two Pythagoreans, Hicetus and Ecphantus, in order to explain the apparent diurnal rotation of the celestial system. He also suggested that Mercury and Venus moved in circular orbits around the Sun, accounting for the changes in their apparent brightness. He further speculated that the universe was infinite, each

star being a world in itself, composed of an earth and other planets. However, Heraclides' universe, like that of Hicetus and Ecphantus, was as yet geocentric and his Earth spun at the center of the fixed stars.

Around 250 B.C., the greatest astronomer of the Alexandrian period, Aristarchus of Samos (c. 310-230 B.C.), postulated that the Earth rotated on its axis daily, and revolved around the Sun in a circular orbit once a year, the Sun and the fixed stars being stationary, the planets moving in circular orbits with the Sun at the center, and the Moon revolving around the Earth. Thus, in Aristarchus the heliocentric conception of the universe had reached its near-complete formulation. No one until Copernicus more than 1750 years later described the celestial system as well and accurately as Aristarchus had done in his now lost treatise. (According to Plutarch, the head of the Stoic school of philosophy, Cleanthes, demanded that Aristarchus ought to have been indicted for impiety. Aristarchus was indeed almost killed for his revolutionary thoughts.)

Based upon these historical accounts, it is clear that a special chain of the Greek mathematician-astronomer-cosmologist-philosophers consisting primarily of Philolaus, Heraclides, and Aristarchus had successively evolved a concept of the universe which was in fair agreement with that of Copernicus over 1750 years later. Why is it then that the heliocentric concept of the universe with its spinning Earth did not evolve further after Aristarchus? Why is it that genuine knowledge of the celestial world had to be buried in the obscurity of the terrestrial realm? Why is it that a theory so luminous had to remain in darkness and wait for centuries to be rediscovered?

3. THE GEOCENTRIC HIERARCHY

History reveals that around 200 B.C, less than five decades after Aristarchus' exquisite formulation of the celestial system, the geocentric concept of the universe, despite its inherent theoretical difficulty, became more and more adopted by the power structure of the Western world -- by the master neocheaters operating through their governments. The geocentric concept achieved prominence over the heliocentric system not because it was superior theoretically but because it was more expedient politically. It was not a scientific decision but a political strategy that made the geocentric system the "official" picture of the universe.

The geocentric school of astronomy began with Eudoxus of Cnidus (409-356 B.C.), an eminent resident at the academy of Plato (427-347 B.C.), several decades *after* Philolaus had postulated his distinctively non-geocentric theory. Eudoxus' theory was further developed by Callipus (c. 325 B.C.), Aristotle (384-322 B.C.), Apollonius (c. 220 B.C.), Hipparchus (190-120 B.C.), and finally Claudius Ptolemy of Alexandria (A.D. 85-165).

Eudoxus, after developing a certain mathematical procedure, evolved the first geocentric model of the celestial system wherein he assigned a spherical shell to every periodic movement that centered upon the Earth, a combination of such spheres describing reasonably well the complex periodic movement of a particular celestial body. All of the spheres were fixedly embedded in the surfaces of the spheres farther out. In this manner he explained the motions of the celestial system by using twenty-seven spheres, one for the fixed stars, three each for the Sun and the Moon, and four each for the five known planets -- Venus, Mercury, Mars, Jupiter, and Saturn.

As new periodic phenomena were identified, the system had to be expanded. Callipus gave each celestial body an extra sphere, bringing the total up to thirty-four, while Aristotle added a further twenty-two spheres. In the field of astronomy Aristotle was responsible for the idea that the spheres which carried the celestial bodies along their paths were real physical entities, not mere geometrical constructions as Eudoxus had previously supposed and Ptolemy would later postulate. (His strong adherence to objective reality did not allow Aristotle to view his theory as a mere geometrical construction without any corresponding existence in the universe.) He also believed that the outermost sphere of the fixed stars was moved by the *Primum Mobile* (the Prime Mover) which governed the entire universe.

Unlike the heliocentric system which originally came from the ancient navigator-businessmen's business-based integration of reality, i.e., the sphericity of the Earth, the geocentric theory was purely an academic enterprise and entailed many difficulties from the very beginning. Furthermore, it not only was an extremely complex theory technically but also became progressively more complex throughout its development. Heraclides' model of the spinning Earth was one of the attempts made to overcome those difficulties within the context of the geocentric universe. During the Alexandrian period, Apollonius, Hipparchus, and Ptolemy also tried to overcome the limitations inherent in the geocentric system, again within the conceptual framework of the geocentric model. They failed to take into account the validity of the heliocentric concept developed by Aristarchus through his remarkable hypotheses.

Apollonius and Hipparchus both developed the system of eccentrics and epicycles. Apollonius suggested that if a planet moved in a circle, the epicycle, the center of which moved upon another circle, the deferent, which centered upon the Earth, then the motions of the planets could be quantitatively accounted for. He further suggested that the celestial bodies moved in circles eccentric to the Earth, the center of their orbits lying at some distance from the center of the Earth. Hipparchus further developed Apollonius' concept. Ptolemy adopted and evolved the system of eccentrics and epicycles used by Hipparchus to explain the apparent motions of the celestial system.

Ptolemy himself made a discovery which showed that the whole system of the geocentric universe could not have any physical existence as Aristotle had suggested: Ptolemy seems to have regarded his scheme as a mere mathematical convenience. (In other words, he admitted that his geocentric system was a *mathematical rationalization!*) Thus, in Ptolemy, the geocentric construction of the universe had reached its theoretical perfection and, despite its inherent difficulty and rationalized complexity, it dominated the scientific world for the next 1400 years.

However, long before Ptolemy completed his celestial theory as described in his "Mathematical Composition", the geocentric system of the universe had already been adopted by the neocheating authorities of Europe. Beginning around 200 B.C., the combined political and religious power structures of the Western world undertook a systematic oppression not only of the kind of knowledge which did not suit their purpose, such as the heliocentric theory, but also of the very source of knowledge itself, the conceptuality-centered consciousness and its reasoning faculty.

The heliocentric universe did not fit into their scheme of establishing a hierarchical social structure wherein the neocheaters were to stand at the center of the universe. The geocentric universe did. Thus, the heliocentric system was slowly eliminated from the face of the Earth and the geocentric theory gained prominence. Their success in oppressing the heliocentric system and other valid knowledge, and in establishing the geocentric hierarchy, gradually prepared Europe for the Dark Ages and drew the curtains on science for over 1700 years. It was not until the rise of business/commerce took place in Europe toward the end of the Middle Ages, which brought about the propagation of the zero along with the place-value number system, that the light of reason finally shone through the darkness of the human mind and raised the curtains of science at long last.

How could the political/religious master neocheaters be so successful in their scheme as to be able to suppress human knowledge and consciousness for over 1700 years? The answer lies, at least in part, in the very nature and propensity of human consciousness.

The process of life consists of awareness and self-creation. In contradistinction to nonliving systems such as the celestial system, all living systems from amoebae to human beings possess two distinguishing characteristics which constitute life. They are *autopoiesis* (self-creation, production, or generation) and awareness or cognition, which ranges from the most primitive form of awareness such as amoebae's stimulus-response to the highest form of cognition -- conscious human awareness. *Autopoiesis* and cognition are the two quintessences of life without

which no life is possible. Moreover, *autopoiesis* and cognition are interdependent of, and integral to, one another. That is, neither can exist without the other.

4. THE ORIGINS OF MYSTICISM

Conscious life is the highest integration and expression of the *autopoietic* cognitive living process. Consciousness is the most complex form of cognition which is distinctly different from any other mode of cognition found in other sentient beings. Consciousness came into existence on this planet about 3000 years ago and human beings achieved consciousness not as a product of nature's evolutionary process but as an *autopoietic* reorganization of their cognitive systems. Consciousness was a discovery and an engineered invention of human beings. Therefore, no change took place in the physical structure of the brain but only in the structural organization of the mind.

Nature's process of evolution had ultimately brought to human beings what is termed the bicameral mind, and it was in the cognitive breakdown of the bicameral mind that consciousness first originated. The bicameral mind was a highly evolved and intelligent cognitive system that operated with language, percepts, and rudimentary/imaginary concepts, yet with complete *automaticity*. In the bicameral mind, one hemisphere of the brain, guided by the inherent logic of nature, organized the whole inventory of information from the past in an automatic, non-introspective, and non-self-referential manner, and communicated some of that information to the other hemisphere for decision-making or action.

The bicameral mind invented such life-sustaining tools as language, numbers, the wheel, and the ship in its critical pursuit for survival. It was indeed a remarkably intelligent and ingenious cognitive system, yet there was no fundamental difference between it and the mind of anthropoid apes or porpoises in their automaticity. They differed in terms not of quality (automaticity vs. non-automaticity) but of quantity or degree of intelligence arising from their evolutionary/biological differences. Around 1000 B.C. when human society evolved and became too complex for the bicameral mind to handle, it made its greatest invention, at the cost of its own continuance, in order for the human organism as a whole to survive: that invention was consciousness. Toward the end of the second millennium B.C., the bicameral world saw a dramatic increase in commerce. And the laws of commerce/business began to take over the laws of nature, thereby pushing bicameral men and women to a complete *cognitive breakthrough* -- to a quantum leap into an entirely new mode of cognition. Through that commerce/business initiated cognitive breakthrough, consciousness was born.

Consciousness is the *unicameral* mind, as it were. Speaking physically, it is the new unified communication network within the brain whereby two hemispheres function synergistically to create a higher order of operation which is self-referential and introspective. Speaking metaphysically, it is the new integrated inventorying of reality in abstract concepts that organizes myriad facts of experience in accordance with conceptually identified logic. In addition, consciousness is an operative modality of the brain or the mind which is inherently *non-automatic*. That is, there is nothing in nature that causes consciousness to operate automatically.

Consciousness is the *causative factor* relative to its own existence. There is nothing in existence that can make an individual conscious but his own act of being conscious. Consciousness exists as an *entelechy*; when it exists it exists in its full manifestation, and when it exists not it exists not at all. That means *consciousness never evolves*. It is an individual's very act of being

conscious (of something) that brings consciousness into being with its utter totality. Thus, in reality, when one is conscious, he is *fully* conscious with nothing missing and nowhere to evolve.

In the beginning, however, consciousness sought to operate within the lost matrix of the bicameral mind, that is, consciousness made the entire inventory of brain-stored information *emulate* the dominant hemisphere of the bicameral mind. Consciousness operating in *the emulated bicameral modality* is perceptivity-centered consciousness. It is when consciousness developed a sufficiently integrated conceptual knowledge internally that consciousness made the shift from the subjective to the objective and became aware of reality, objective and in essence abstract. Consciousness operating in the context of abstract and objective reality is conceptuality-centered consciousness.

Reality *in the final analysis*, reality *in a fully integrated epistemological context*, is abstraction. It is the aggregate of abstract principles that are completely independent of any particular observer and his experience, and as such reality is objective. Furthermore, abstract principles by nature exist independent of time, and as such reality is eternal. And when reality is cognized by consciousness, it exists in the form of concepts. However, since it exists in the form of concepts, consciousness can *subjectively* create or simulate "reality" without ever *objectively* conceiving, comprehending, or identifying reality as such. This inherent proclivity of consciousness to create, simulate, or make up "reality" is mysticism. *Mysticism is the epistemological disease of consciousness to confine itself in the perceptivity-centered modality (the emulated bicameral modality), in subjectivity, while fabricating or making up non-existing, illusory "realities"*.

Since consciousness is self-causative, consciousness must generate a continuous integration of energy to sustain its existence in its comprehension of reality. In other words, consciousness must continuously exert effort to fulfill its function as the conceptual integrator of reality. Mysticism is consciousness' default in that effort. It is the self-negation of consciousness by consciousness. No other cognitive mode including the bicameral mind is capable of mysticism, for none other than consciousness is nonautomatic and is the sole source of its own existence. Mysticism is not caused by the lack of consciousness but by the lack of *integration*. *Mysticism is the symptom of man's default in epistemological integrity and the cause of all human suffering*.

Perceptivity-centered consciousness is a developmental stage of consciousness in its apprehension of reality. When the integration of knowledge reaches a critical point, consciousness begins to see its perceptual experience in the context of conceptually integrated knowledge and goes beyond its perceptually or subjectively bound experiences to awaken into objectivity. If left free and unhindered, every child as well as humanity as a whole innately transcends the perceptivity-centered modality to advance its knowledge in the objectively defined context of reality.

Conceptuality-centered consciousness is consciousness *qua* consciousness. Mysticism, unless it is identified and corrected, prevents or truncates forever consciousness' integrating growth into maturity. Consciousness is self-correcting epistemologically and self-controlling cybernetically. If it could identify its internal mysticism, it would self-correct its devastating errors and cure the disease that is mysticism. However, in history, this correction or healing, except for a few rare

individuals, did not take place until today. The external force that prevents consciousness from self-correcting is neocheating.

Neocheating is the deliberate manipulation of mysticism in others. It is the poison-feeding of mysticism in others. Mysticism came into existence 3000 years ago with the birth of consciousness, and with it came its symbiotic neocheating. However, it was not until Plato formulated his philosophy that a systematic and conceptual framework was supplied in which to carry on neocheating. It was Plato who not only rationalized mysticism but also capitalized on it to create a brilliantly fabricated, yet devastatingly destructive philosophical system that provided the conceptual tools of neocheating for millennia to come. Through Plato and his philosophy, the whole matrix of neocheating was set, the spell of mysticism was deliberately cast upon humanity, and the reign of master neocheaters became firmly established in the course of history.

Platonistic philosophy begins by accepting the primacy of consciousness, that is, by reversing the relationship of consciousness to existence. It assumes that reality must conform to the content of consciousness, not the other way around, based upon the premise that the presence of any concept in consciousness proves the existence of a corresponding referent in reality. Plato thus validates *de jure* self-made realities while invalidating *de facto* reality as such.

According to Plato, the content of "true" reality is a set of universals or Forms that represent that which is in common among various groups of particulars in this world. He repeatedly insists that the Forms are what is "really" real. The particulars they subsume, the concrete objects that constitute this world, are not. Although he asserts that the Forms are immutable, timeless, intellectually apprehensible, and capable of precise definition at the end of a piece of "pure ratiocination" because they are independently existing entities in "reality", he never once elucidates in a rational context how that apprehension or definition can be achieved.

Although *epistemo-contextually* integrated reality is abstraction in the final analysis, yielding to crystallization in the form of concepts through the process of appropriation by consciousness, it is *in the final analysis* that reality is abstraction and *through the process of appropriation by consciousness* that reality is crystallized -- apprehended and defined -- in the form of concepts. Existence exists and exists independently of consciousness. Consciousness does not and cannot create reality; it is metaphysically passive. Consciousness *exists* to identify reality or existence and in the very fact that consciousness must *exist* to be conscious of reality or existence, the primacy of existence to consciousness is evident.

The primacy of existence and the ultimacy of reality is the *alpha* and the *omega* of all valid conceptual knowledge. Knowledge is the explication of existence (*explicandum*) into reality (*explicans*). Existence is reality involved metaphysically and reality is existence involved epistemologically. Existence is what is given to consciousness metaphysically while reality is what is revealed to consciousness by consciousness epistemologically. Existence and reality are in essence synonymous, and as existence exists independently of consciousness, so does reality. Therefore, no knowledge of reality can ever be achieved by merely fabricating concepts without regard to existence, as Plato suggested.

Plato, by inverting the epistemological structure of the conscious cognitive process, by reversing the metaphysical relationship between reality (existence) and consciousness, succeeded, in effect, in giving the perceptivity-centered modality the highest and the ultimate cognitive status, while also providing mysticism a completely justified (and even dignified) "full-time job" in the inner workings of human awareness. Through Plato such false concepts as "God", "gods", or "the eternal soul", which has no metaphysically verifiable cognitive content, gained a well-justified philosophical foundation, for, according to him, anything that anyone could make up in his mind should exist because "that's the way it is".

Throughout his long career, Plato carried within him an intense political ambition and need to control others. His philosophy is largely a manifestation of that ambition and need. He played his politics and tried to control others not through an ordinary political channel but through the channel of philosophy. He tried to control others not physically but intellectually, for once people accepted his philosophy, then it was simpler and easier to control them physically. Although Plato died before he could witness his "dream" come true, the neocheaters throughout the world used his philosophy to bring his dream to fruition. Thus, as Plato's dream evolved into reality, a long and tragic nightmare unfolded.

Coinciding with the rise of the Romans around 200 B.C., the Western world saw the proliferation of religious/political master neocheaters along with the systematic application of their neocheating strategies. Their proliferation marked the decline of Greek culture and the fall of its highest intellectual manifestation -- Aristotelian philosophy. Aristotelian philosophy is the first complete system of philosophy ever developed on the basis of the primacy of existence. Aristotle evolved the system of logic -- the principle of *noncontradictory identification* -- only by means of which objective reality is identified and verified authentically. Aristotle also developed the first ethical philosophy based on the supremacy of a conscious human individual. Aristotelian philosophy indeed is the fountainhead of all knowledge and the antithesis of Platonistic philosophy.

It was Aristotle, not Plato, who epitomized the mind of the Greeks. It was Aristotelian philosophy, not Platonistic philosophy, which was the epitome of Greek consciousness and its intellectual achievements. Therefore, the fall of Aristotelian philosophy around 200 B.C. meant a rise of Platonistic philosophy or Platonistic-oriented philosophies, and a beginning of a dark intellectual obscurantism.

Although this intellectual obscurantism was finally broken during the Renaissance by the resurgence of Aristotelian philosophy and the newly discovered power of the zero, its roots had never been eradicated until the discovery of Neo-Tech by Frank R. Wallace in the late 20th century. Aristotelian philosophy laid the foundation for all life enhancing discoveries and values culminating in the discovery of Neo-Tech. Aristotelian philosophy fulfilled its function and destiny as the fountainhead of knowledge and antithesis of Platonism in the discovery and development of Neo-Tech.

5. THE MASTER NEOCHEATERS

Knowledge is power. Integration of knowledge is power. It is through knowledge that one can control the destiny of his life, his environment, and his universe. It is through knowledge that one can achieve his true individuality, an indivisible conscious wholeness, and the self that is genuinely his. It is through knowledge, and through knowledge alone, that the flowering and the ultimate fulfillment of what it means to be human, what it means to be conscious, can come to exist.

For two millennia until the dawn of the Industrial Revolution and the subsequent advent of capitalism, knowledge was almost the exclusive possession of priest-scholars (e.g., Nicholas Copernicus) or artist-engineer-scientists (e.g., Leonardo da Vinci) who worked under the sovereignty of their patronal governments. This monopolization of knowledge was a policy deliberately planned and executed by the successive master neocheaters who controlled and reigned over the world for millennia. Among these master neocheaters were some of the most brilliant and powerful kings, emperors, prime ministers, and priests or philosophers of human history.

Around 200 B.C. the master neocheaters of the Western world began a systematic oppression of human knowledge and usurpation of power by employing Platonistic-oriented philosophies that provided an ideological foundation for the propagation of mysticism. They devised a strategy whereby they successfully achieved their purpose and prepared Europe for the darkest tragedy of human history: the Dark Ages. Throughout recorded history, wherever there was a rise of commercial or business activities, there was a flourishing of Aristotelian-oriented philosophy and an advancement of human knowledge. Athens, where the Greek culture flourished, was such a place. Around 200 B.C., with the rise of the Romans who were in essence an agricultural nation, commercial activity declined and the world became more mystical. This coincided with the proliferation of the neocheaters.

Neocheaters strive for power without exerting effort to earn genuine knowledge of reality. ...They strive for power without earning genuine power. They accomplish their purpose and achieve their "power" by suppressing knowledge and disempowering others through the use of force, mystical as well as physical. Their power is in essence illusory and it is only in a mysticism-entrenched society that neocheaters can sustain such an illusion. It is only through the propagation of mysticism that neocheaters can survive.

Master neocheaters are those who have mastered the "art" of neocheating. They thoroughly understand the realm of nonreality and can see through the mysticism in others. Yet, out of dishonesty and laziness, instead of seeking to identify reality and gain genuine power and happiness, they choose to manipulate and usurp values from others. They are the masters of the mystic domain -- mind-created "realities" and "truths." So far as one is caught in the labyrinth of their domain, so far as one is caught in the web of mysticism, he can never win the battle against those masters of nonreality.

The master neocheaters' grand strategy, through which they successfully propagated mysticism, suppressed knowledge and usurped values, consisted of three major substrategies:

(1) To systematically destroy the foundation of knowledge, i.e., reason, by (a) misinforming or not informing the populace of crucially important knowledge, such as Aristotelian philosophy or the heliocentric theory of the universe, and (b) conditioning the human mind and reflexes by Platonistic-oriented mystical thinking.

(2) To systematically train those who are intellectually endowed and bright enough to be a potential threat to the master neocheaters to become specialized scholars and to advance knowledge in a manner that serves the purpose of the power structure, while making the scholars completely dependent upon the power structure for their physical survival.

(3) To restrict commercial activities to the extent that the producers produce just enough to support the continuance of the power structure, while completely controlling the line of life-support, such as food and money, by the power structure itself -- so that no incentive will ever arise to advance knowledge among the populace.

All of these substrategies were carried out by deception, force, threat of force, and the systematic propagation of mysticism. The geocentric system gained prominence over the heliocentric system within this socio-political environment. Platonistic philosophy became predominant over Aristotelian philosophy within this anti-intellectual climate, reversing the intellectual trend of the Greeks, which had produced a remarkable wealth of knowledge and incomparably brilliant intellects such as Pythagoras, Philolaus, Heraclides, Aristarchus, Apollonius, Archimedes, Socrates, and Aristotle (perhaps the foremost intellect in history). (Plato, although he was in essence anti-Greek, was nevertheless one of the great intellects and writers of human history, and without the flourishing intellectual climate of ancient Greece, even Plato would not have been possible.)

Neo-Tech defines mysticism as: (1) Any attempt to recreate or alter reality, usually through dishonesty, feelings, *non sequiturs*, or rationalizations. (2) Any attempt to ignore, evade, or contradict reality. (3) The creation of problems where none exist. It defines neocheating as: Any intentional use of mysticism to create false realities and illusions in order to extract values from others. From these definitions it becomes quite clear why Platonistic philosophy became the prime tool for neocheaters to carry out the first substrategy of destroying the foundation of all valid human knowledge: reason.

Reason is the faculty of the mind that conceptually identifies and integrates the materials provided by senses, perceptions, and previous conceptions. Reason is the prime faculty of consciousness in reaching ever higher abstractions or broader conceptions, first by distinguishing the relevant from the nonrelevant within the entire realm of sensory, perceptual, and conceptual data-banks, and then by conceptually integrating the relevant in accordance with logic. Logic is the art and principle of noncontradictory identification. Reason functioning in the conceptuality-centered modality is reasoning, while reason functioning in the perceptivity-centered modality or in the mystical context is rationalization.

Reasoning is an intellectual process for achieving an integrated conceptual picture of reality by always starting from perceptual experiences and then making a logical connection between what is perceived and what is conceived. Rationalization is an intellectual process for fabricating an

illusionary "reality" in concepts by disconnecting conception from perception. Reasoning is based on the primacy of existence, whereas rationalization is based on the primacy of consciousness. Both use reason, logic, and concepts. However, they are diametrically opposite to one another. Reasoning begins with logically non-contradictory premises based on the facts of reality, while rationalization begins with premises that contradict reality.

No matter how logical-sounding it might be, any conclusion that begins with a contradictory premise inescapably contradicts reality. The primacy of existence is the prime principle of reality. No valid knowledge is ever possible without observing the primacy of existence, for existence exists in the very act of living, reasoning, and even rationalizing. Platonistic philosophy stands upon a ground which does not exist in reality, i.e., upon nothing, and since it is nothing it could be anything. Platonistic philosophy is the philosophical system that rationalizes rationalization and "*non sequiturs*" *non sequiturs*.

The most devastating *non sequitur*/rationalization that arises directly from Platonistic philosophy is altruism. As mentioned before, according to Plato, what is "really" real are the Forms, disembodied abstractions which represent that which is in common among various groups of particulars in this world of concrete perceptual experiences. Therefore, in effect, individual human beings are merely particular instances of the universal "human being"; they are ultimately not real. What is "real" about human beings is only the Form that they share in common and reflect. To Platonism, all the seemingly individual human beings are "in reality" the same one Form in various reflections.

Thus, all human beings ultimately comprise one unity, and no earthly human being is an autonomous entity. This momentous conclusion leads to altruism and all the "higher-cause", collectivist moralities. Platonistic philosophy, while establishing the primacy of consciousness, denies the supremacy of an individual wherein consciousness resides. For consciousness that is supposed to be primal is not, according to Platonism, an earthly individual consciousness but a universal entity, a Form, of which an individual consciousness is merely a reflection. Plato, with his literary genius, propagated this kind of contradictory and destructive philosophy which was to dominate the mind and thinking of humanity for the following 2300 years.

Platonistic philosophy or Platonistic-oriented philosophies provided the tools for neocheaters to exploit as well as manipulate innocent and productive individuals. People, thus Platonistically conditioned, had no means to protect themselves philosophically against the neocheaters' assaults. Although Aristotelian-based thinking was by nature always employed in all healthy and productive human endeavors which kept the life-line of human society going, people were bound to live in undeserved guilt. Some asserted Aristotelian-oriented philosophies, but, until Ayn Rand, none were able to discover the fault of Platonistic philosophy in a fully integrated and thoroughly reasoned context, and none were able to identify the poison-core of mysticism and neocheating in its entirety until Neo-Tech.

During the time of the Romans, little advance was made in the field of science. The Romans in essence lived under the glory of the Greeks intellectually, and the systematic enactment of their neocheating strategy and propagation of Platonistic-oriented philosophies prepared Europe for the Dark Ages. Around 200 B.C., Stoicism, a Platonistic-oriented philosophy, became influential

among the Romans, for it presented the traditional beliefs they had inherited from the Etruscans in a more sophisticated form. Around A.D. 200, Stoicism merged with Platonism in the form of Neoplatonism, particularly in the Neoplatonistic system of Plotinus (A.D. 204-270). During those 400 years, the conditioning of the human mind to misconceive reality through Platonistic-oriented thinking became quite prevalent.

In regard to the second substrategy of training the bright to become specialized scholars, it was here that the two-millennium-old trend of specialization in knowledge originated. Since knowledge is the source, the only source, of genuine power, the ones who are capable of integrating knowledge are the greatest threat to neocheaters. Therefore, those who are intellectually endowed must be divided into their specialized fields of knowledge so that they cannot integrate different spheres of knowledge to gain integrated power. They must also be isolated from the rest of the world and made oblivious of the whole context of reality, while at the same time being made dependent upon political neocheaters for their physical survival.

A mathematician alone, no matter how brilliant he might be, could not be a threat to a neocheater without the knowledge of other fields and the rest of the world, and without the means of achieving financial independence -- without a business integration. So long as those who are bright remain divided and "specialized", oblivious of the world, neocheaters are safe to exercise their "power" and use those scholars for their own advantages. This is what happened and what has been happening throughout the entire history of man. Moreover, some of those scholars turned to mysticism or neocheating and achieved political and/or religious prominence. The so-called social "intellectuals" of today are the direct offspring of those earlier "scholars turned neocheaters".

Research in the fields of biology and anthropology reveals that all the species and tribes that became extinct did so because of overspecialization. The current educational systems of the world, which originated in the neocheating strategy of ancient political powers, emphasize specialization, and thus endanger the continuation of the human species. Until today, the least specialized field, the field that requires the widest integration of knowledge, has been politics, where neocheaters, who have the least regard for knowledge, gravitate the most. Ironically and tragically, the fittest to survive in the mysticism-ridden world of inverted reality have been the least capable of surviving in reality.

In principle, the field in which the widest integration of knowledge is required is business. It is in business that philosophy, science, and technology meet the challenge of life to integrate into higher values that benefit humanity. It is in business that metaphysical values are transformed and crystallized into physical values that nurture human needs. Without producers and their business activities, no society can possibly survive. Therefore, in executing the third substrategy, the master neocheaters could not wipe out the producers and their businesses totally. Otherwise, they would have jeopardized their own existence. It is through those heroic, yet unknown, producers that the world, albeit severely oppressed, could survive all the darkness which humanity had to endure. Time and again business flourished in various parts of the world, and every time there was a flourishing of business there was an advancement of knowledge and an evolution of human happiness and prosperity.

It is India that gave us the ingenious method of expressing all numbers by means of ten symbols, each symbol receiving a value of position as well as an absolute value; a profound and important idea which appears so simple to us now that we ignore its true merit. But its very simplicity and the great ease which it has lent to all computations put our arithmetic in the first rank of useful inventions; and we shall appreciate the grandeur of this achievement the more when we remember that it escaped the genius of Archimedes and Apollonius, two of the greatest men produced by antiquity.

-- Laplace

Producers are the *Primum Mobiles* (the Prime Movers) of the world and business is the very motion which carries humanity forward. It was the rise of producers and the integral component of business -- Aristotelian philosophy -- in the 13th-14th centuries that broke the Middle Ages and brought the Renaissance to Europe. It was the same rise of producers and Aristotelian-oriented philosophies, implicitly employed, during the first five centuries A.D. in India that made possible one of the greatest mathematical inventions of all time -- the zero, without which the Renaissance and the subsequent development of scientific knowledge would not have been possible.

6. THE DISCOVERY OF THE ZERO

The zero is the mathematically defined numerical function of nothingness that is used not for an evasion but for an apprehension of reality. The "nothing" has been the exclusive territory of mystics and neocheaters. They thrive on "nothing", in nonreality, and create their mystical edifice of power and dominance upon "nothing" with "nothing". The zero is the only "nothing" thus far conceived that is nonmystical, i.e., reality-based. It is a tool, a mathematical tool, for dealing with reality, and as such is integral to the whole context of reality *qua* reality. After the Renaissance, the monopolization of knowledge became broken and scientific knowledge flourished owing largely to the propagation of this mathematical "nothing", the zero -- to the increased computational capability among common people that was made possible solely by the widespread use of the zero concept and its counterpart -- the place-value numerical system.

On the assumption that an Aristotelian-based philosophy rather than a Platonistic philosophy had dominated the Western world since the Golden Age of Greece, Neo-Tech *predicts* the following *retrospectively* (see "Neo-Tech Discovery", Neo-Tech Advantage #77, An Aristotelian Course of History):

- 350 B.C. Aristotle (384-322 B.C.)
- 200 B.C. America discovered.
- 100 B.C. Free-enterprise capitalism established around the world.
- 0 B.C. All traces of mysticism, altruism, are gone.
- 20 A.D. Electrical power developed, camera developed.
- 40 A.D. Internal-combustion engine developed.
- 50 A.D. Cars in mass production. Airplane developed.
- 60 A.D. Computer developed...
- 70 A.D. Nuclear power developed.
- 80 A.D. Man on the Moon.
- 100 A.D. Man on Mars and heading for other planets.
- 120 Human biological immortality developed. 200 A.D. Universal immortality

A.D. achieved...

As revealed in the second chapter, exactly as predicted above, the Phoenician navigators circumnavigated the world and discovered the American continent around 200 B.C., preceding Columbus and Magellan by 1700 years. Aristarchus' heliocentric theory of the universe was developed approximately fifty years prior to that circumnavigation. However, also around 200 B.C., with the rise of the Romans, Platonistic-based philosophies became increasingly more dominant and growth in science rapidly declined, except in Alexandria where Greek culture and science still continued to flourish.

What is implicit in this "retrospective forecast" of human history, however, is that a numerical system much like ours with the zero and the place-value principle should have been developed somewhere between 200 and 100 B.C., for the Greek numerical system was much too rudimentary to make the subsequent developments in science and technology probable. In fact, no matter what kind of numerical symbols people of antiquity might have adopted, logic dictates that their number system should have been the same as ours with the zero concept and the place-value principle. Since man has ten fingers, it is most likely that the base of their number system would have been ten (10). The computers of 60 A.D. should have employed a binary system due to the nature of logic.

Our modern written numeration, with the zero concept and the place-value principle, is such an ingenious, efficacious, and conceptually integrated system that no one who has ever considered the history of numerical notation or mathematics fails to realize its enormous profundity, significance, and power. For instance, consider the following addition -- the same addition by means of Roman numerals and of our Hindu-Arabic numerals:

CCLXVIII 268

MDCCCVII 1807

DCL 650

MLXXX 1080

MMMDCCCV 3805

Without converting the Roman numerals into our modern system the problem is difficult, if not impossible, to solve. And this is only an addition -- multiplication or division would be far worse. Roman numerals and most other systems do not lend themselves to written computation owing largely to the static nature of their basic numerals, which are in essence only abbreviations for recording the results of computations done by means of an abacus or counting board.

For this reason, before the advent of our modern positional numeration (the zero and the place-value system), the art of reckoning remained an exclusive and highly skilled profession. Indeed, it attests to the success wherewith the master neocheaters executed their destructive substrategy, specialization of knowledge, that the knowledge of reckoning remained so exclusive a profession. That master neocheating strategy created a lack of motivation for the advancement of knowledge, particularly of science, and its accompanying mathematical/computational tools. Thus, no progress was made in the field of reckoning in the Western world beyond Greek or Roman numeration. Roman numeration, particularly, was an intentional device to keep the populace ignorant and powerless, forever confined in the perceptivity-centered modality, in a mystical cave, by a mega-dose of neocheating.

Therefore, the discovery of the zero and the development of the place-value numeration had to wait for a less oppressive intellectual climate -- a flourishing business and commercial atmosphere. Such a climate took place in India between the first and fifth centuries A.D. It was during that time in India that the zero was discovered and the system of place-value numeration was developed, almost reaching to their fullest formulation by 500 A.D. Although in recorded history the place-value number systems have been developed four times (by the Babylonians, Mayans, Chinese, and Hindus), and the zero concept has been evolved three times (by the Babylonians, Mayans, and Hindus), none outside of the Hindus have devised such a complete system of numerical operation. Furthermore, none outside of the Hindus evolved the zero concept to the degree that it is used as the null-value in all facets of calculation.

Increased commercial/business activities during the first three centuries A.D. in India called for further developments in navigational technology and astronomical science, and for an evolution of a written computational methodology for recording the process of calculations that were employed in navigation, astronomy, and business. To accomplish these ends, development of a superior numerical system that lent itself to written computation became imperative. It was among those sea-dwelling navigator-engineer-scientist-businessmen who kept and evolved the lineage of advanced knowledge from antiquity that the place-value number system with the zero concept was first developed. The Brahman scholars, the Pythagoreans of the East, further evolved and perfected the system nearly to its present formulation. By using only ten numerical symbols while assigning one of the ten symbols, the zero, unique meanings and functions, they succeeded in expressing infinitely large numbers and making complex numerical operations remarkably more simple.

In Sanskrit (the scholarly language of the Hindus), the word for the zero is "*sunya*", meaning "void", and there is little doubt that the zero concept originated as the written symbol for the empty column of the abacus. The abacus had been used around the world since antiquity to provide a facile means of accumulating progressive products of multiplication by moving those products ever further leftward, column by column, as the operator filled the available bead spaces one by one and moved the excess over ten into the successive right-to-left-ward columns.

Number products in even tens (such as the number 20 or 30) leave the first right hand column empty (void). When expert abacus users had no abacus available to them, they could remember and visualize the operation of the abacus so clearly that all they needed to know was the content of each column in order to develop any multiplication or division. They then invented symbols

for the content of each column to replace drawing a picture of the number of beads. Having developed symbols to express the content of each column, they had to invent a symbol for the numberless content of the empty column -- that symbol came to be known to the Hindus as "*sunya*", and *sunya* later became "*sifr*" in Arabic; "*cifra*" in Roman; and finally "*cipher*" in English.

Only an empty column of an abacus could possibly provide the human experience that called for the invention of the zero -- the symbol for "nothingness", and that discovery of the symbol for nothingness had an enormous significance upon subsequent humanity. The zero, the cipher, alone made possible humanity's escape from the 1700-year monopoly of all its calculating functions by the neocheating power structure operating invisibly behind their governments and religions. It was also the power of nothingness, the zero, that raised the curtains of science during the Renaissance, which had been drawn by the master neocheaters since 200 B.C. (It is significant to realize that the positional numeration with the zero concept had been implicitly employed in the operation of the abacus almost in its entirety, including the zero being the null-value. The Hindu numeration was the *written translation* of that operation.)

Even if the zero with the place-value principle and its computation-facilitating capability had been discovered by the Alexandrian Greeks, by Archimedes or Apollonius, for instance, it would have been banished or even lost when the emperors of the Roman Empire amalgamated the vast power of the priesthood with their already-established military supremacy. Historically, Roman numerals had been invented to enable completely illiterate people to keep "scores" of events occurring one by one. The more complex Roman numerals were those used by their superiors, keeping count by their fingers -- V for five (the angle between one's thumb and the other four fingers) and X for ten (representing one's crossed index fingers). Since one cannot see "no sheep" or "no person", the Roman world had no need for a symbol for nothing.

For science to evolve, there should be three basic socio-intellectual factors present: (1) a flourishing business climate that will provide an incentive to advance knowledge; (2) an explicitly defined Aristotelian philosophy that will provide the metaphysical/epistemological foundation or context for valid scientific knowledge and the ethical/moral basis for productive living; (3) mathematical tools, such as the zero with the place-value principle, that will facilitate the advancement of science. During the Renaissance all three of these factors were clearly present. Science did not develop in India after the discovery of the zero owing to the fact that no explicitly defined Aristotelian philosophy had ever been prevalent in India or had been known to the Hindus in general.

Indian philosophies from Hinduism to Buddhism, although they differed in various issues, all held that reality could not be known by reason and logic but only by a mystical union with existence called *samadhi* or *nirvana*, purported to be transcendental to reason and logic. They believed that reason and logic could take them only to the point where they could merge into existence through the cessation of the mind. In truth, their mystical union, *samadhi* or *nirvana*, was nothing more than a glorified perception or sensation. They inverted the epistemological order of human cognition, which proceeds from sensation to perception and perception to conception, and gave perception and sensation the ultimate cognitive status.

Therefore, albeit the Hindus perfected one of the greatest discoveries in human history -- the zero, they could not realize its cosmic function as a mathematical tool of science. Although it required a conceptuality-centered modality of consciousness to conceive of the zero, the Hindus did not possess a conceptuality-centered philosophy -- an Aristotelian philosophy -- to integrate the zero concept into a larger philosophical scheme so as to bring about its fruits. The zero, thus, had to wait for nearly 1000 years until the time of Leonardo da Vinci and Copernicus in order to bear its fruits and transform the human world forever.

Meanwhile, in the West, the Romans repeatedly burned the Alexandrian library, which as early as 100 B.C. was reputed to have had 700,000 manuscripts containing the wealth of Greek intellectual achievements. The library was first set on fire in 47 B.C. during the war between Caesar and Pompey (40,000 volumes were burned), set ablaze in 272 A.D. by a Roman emperor, ignited in 391 A.D. by another Roman emperor, and finally completely destroyed by the Muslims in 642 A.D. Thus, before the zero could reach the Western world around 700 A.D. via the Moorish invasion of Spain, the intellectual soil wherein this remarkable concept could have borne fruit had been destroyed almost completely by the master neocheaters and their neocheating strategies. The Western world had entered the Dark Ages.

7. THE PROPAGATION OF THE ZERO

In the centuries since its discovery, the place-value system of numeration with the zero concept has been propagated throughout the world even more widely than the alphabet of Phoenician origin, and it has become the only universal language humanity now possesses. When its advantages became known to the scholars, reckoners, and businessmen of civilization in contact with India, they gradually began to adopt this new system, abandoning the imperfect systems which they inherited from their ancestors. The zero and its immense computational capabilities provided humanity with an infinite horizon for the evolution of knowledge.

Among those who adopted this new system of numeration and adapted it to their own forms of writing were the Arabs. In the vast empire that they built within less than a century after Mohammed's death, the Moslems forced conquered nations to adopt their language and its writing. Thus, Arabic soon became a means of communication, particularly among scholars of diverse origins. In 772 A.D. al-Mansur, the second caliph of the Abbassid dynasty, founded the capital Baghdad, which quickly became one of the great commercial and intellectual centers of the world where the cultural heritage of the conquered nations was well-received. It was in Baghdad that the evolution of Arab science began, assimilating all the Greek and Hindu scientific works that came to the Arab-Islamic world.

Mohammed ibn-Musa al-Khowarizmi (c. 780-850), who lived at the court of the Abbassid caliph al-Mamun, was one of the most distinguished and illustrious mathematicians of the period. Al-Khowarizmi's treatise on arithmetic, "Treatise on Cipher", is the earliest known Arabic work in which the Hindu place-value numeration and computation methods are specifically elucidated. (In Europe, al-Khowarizmi's name, first Latinized as Algorismi, turned into the terms "algorism" and "algorithm", designating computation with the Hindu written numerations before taking on the more general meaning of computation with any notation. The first word of the Arabic title for his other treatise, "*Al-jabr w'al-mu-qubalah*", later came to designate the branch of mathematics known in English as algebra.)

Although the Moorish invasion of Spain introduced Hindu-Arabic numerals and algebra for the first time to Europe around 700 A.D., preceding al-Khowarizmi about a century, it was the Latin translation of his "Treatise on Cipher" around 1200 A.D. that awakened Europe from its computational darkness to an evolution of mathematical knowledge. However, while Arab-Islamic civilization was achieving great scientific and cultural attitudes, comparable only with Athens and Alexandria, Western Christendom was languishing in social disorder, economic depression, and intellectual obscurantism caused by the master neocheaters' oppressive strategies to stay in power. Thus, it took over 400 years for al-Khowarizmi's treatise to be translated into Latin, and it took another 200 years for the Hindu-Arabic numeration with the zero and place-value concept to become widely diffused in Europe.

As in India, where virtually every sphere of knowledge was monopolized by Brahmans and other religious priest-scholars, so in the Arab-Islamic world was knowledge a field which belonged exclusively to the priest-scholars who served under their patronal caliphs. Furthermore, as in India, there was no explicit Aristotelian philosophy that dominated the mind of the Arabs. Their guiding philosophy was provided by their religion, Islam. Although Aristotle's works were

earnestly studied and translated into Arabic, so were the works of Plato. It was the time of academic compilation and scholastic relativism. For that reason, no genuine scientific/technological revolution took place in the Arab-Islamic world. However, it was through the wealth of knowledge compiled there that the Western world learned about the lost works of Aristotle and the zero concept.

In the meantime in Europe, a systematic master neocheating scheme in operation since 200 B.C., particularly by the successive Roman emperors, had prepared Europe for the rise of Christianity. The combined religious and political emperorship had found its authoritarian formulae, "*credo*" (which means "I believe"), continually threatened by the Greek scientist-philosophers who had incessantly evolved ever unorthodox ideas and discoveries. The authorities had devised their grand strategy largely to cope with and counteract those scientists' persuasive, experience-supported, objective logic.

But it was not until the Roman priesthood developed an extremely clever neocheating theology around an obscure mystic who had supposedly died on the cross some centuries before that the traces of the Greek intellect could finally be wiped out. Although the emperors possessed absolute physical power, they lacked absolute metaphysical authority. Through Christian theology and its doctrine, the emperor-pope could now possess not only physical power but also the metaphysical dispensation normally given only by "God" -- an authority that was purportedly received originally by the disciples from the only son of God, "Christ", and his direct authority from God himself. Indeed, following the death of Jesus and the preaching by his "disciples", the promised prospect of salvation for all believers raised the Christian priesthood to an unprecedented popularity and power.

In point of fact, Jesus was an obscure mystic known in his lifetime only by a handful of people. Uneducated and with hallucinatory propensities, he spent his known life neurotically striving to fulfill certain ancient Judaic prophecies under a megalomaniacal illusion that he was the son of God. His crucifixion was to a great measure his own making in order to fulfill his "divine mission" in life. For what sin did he actually commit that deserved a crucifixion except that he was somewhat insane and an annoyance to the establishment? It was indeed Jesus himself who managed to cause his own crucifixion, because, so far as he was concerned, the son of God had to be crucified.

Furthermore, it is highly unlikely that he died on the cross. His crucifixion took place on a Friday and the next day was the Sabbath. He was on the cross no more than six hours, so how could a young man of 33 possibly die so easily? The myth of Resurrection thus may have a well-founded genesis; this neurotic man might have appeared in front of people before leaving the town for an unknown place. His disciples, equally mystical and most of them uneducated, spread his legacy, which finally reached the neocheating priests of the Roman Empire, who then cleverly constructed a devastatingly destructive theology around that legacy by employing Platonistic principles. Thus was born the emperor-pope.

The emperor-pope who was "officially authorized" by God could require all believers to secretly confess their "sins" to his "officials" (ordained priests). He could also ordain universal adoption of his explanations of the causality of all human experiences, explanations that were most useful

to him. The emperor-pope could tell his people how to conduct their lives, how to gain God's favor. The geocentric system was degraded to the notion of a two-dimensional flat world sandwiched in parallel between Heaven above and Hell below, and this cosmology put the emperor-pope and his "God" at the center of the universe. The heliocentric universe did not fit into his scheme, and thus was wiped off the face of the Earth.

The zero, like the heliocentric concept, had no place in such an intellectual obscurantism. Although it was first introduced around 700 A.D. in Spain, the zero could not find a way to reach through the darkness of the human mind to Europe at large. The zero as well as the heliocentric concept had to wait until the 11th and 12th centuries when producers and business again arose in Europe. During those two centuries Europe awakened abruptly, owing largely to a rapid population growth which had such consequences as the clearing of land, the development of cities, and the construction of larger churches. Prices rose, circulation of money increased, and, as sovereigns quelled feudal anarchy, commerce revived.

The revival of commerce necessitated more frequent international contacts and in turn favored the introduction of Arab science into the Western world. Universities were founded, arising from guild-like associations of masters and students at the cathedral schools. The western Crusade against Muslims in Spain resulted in the fall of Toledo (a Christian archbishopric in Spain) in 1085, and it was from this time that the Arabic versions of Greek science as well as Hindu numerals were translated into Latin, the most active period being 1125-1280. It was during this time that al-Khwarizmi's "Treatise on Cipher" reached northern Italy and southern Germany by way of Carthage in North Africa.

Two hundred years later, the zero concept finally diffused into the university system and became widely used in Europe largely because of its conceptual novelty. The zero was not only a tremendously powerful mathematical tool but also a catalyst that elevated the conceptual faculty of individual human beings to new heights. It is only the knowledge of the capability for unlimited multiplying and dividing -- and thereby *ratioing* -- and for evaluating relative experiences that is provided exclusively by the zero/place-value numerical system that could possibly enable individual human beings to know how to escape from the prison of ignorance which had been successfully established for centuries.

It was the zero, the mathematical nothing, that brought Europe out of the Dark/Middle Ages, out of the spell of mysticism, to the Renaissance, to a sunlit world of reason. Because the zero was indeed "nothing", the knowledge-monopolizing neocheating power structure whose entire existence was based upon nonreality, nothing, had improvidently overlooked it. Because it was a tool unlike the heliocentric theory or Aristotelian philosophy they could not comprehend its power and foresee the danger that it entailed for them. The zero, thus, became an essential and indispensable tool in the work of Leonardo da Vinci, Copernicus, Kepler, Galileo, and Newton. It also brought about Columbus' revised concepts of terrestrial navigation.

The advancement of science since the Renaissance is greatly indebted to this something-called-nothing -- the zero. If the zero had not been discovered, humanity would still be in a dark age, scientifically and technologically. Imagine doing complex and highly sophisticated computations required for astrophysics or quantum mechanics by means of Roman numerals. It would be

impossible. Those fields of modern science could not even exist without the zero and the place-value numeration. To understand the genuine importance of this mathematical null-value is to know the depth of our civilization and the power of human consciousness.

Through the discovery and propagation of the zero and the place-value numeration, humanity could achieve an immense advancement and a geometrical increase in scientific knowledge previously unimagined. Despite the remarkable progress in science, however, speaking philosophically, humanity has lived, until today, with philosophical Roman numerals alone, as it were. It was not until Ayn Rand developed her philosophy, Objectivism, in the mid-twentieth century that philosophy found its renaissance for the first time since Aristotle. Ayn Rand was the Copernicus of philosophy and she brought about a genuine philosophical Copernican Revolution.

Neo-Tech was discovered in the mid-1970s by Frank R. Wallace to further that philosophical renaissance, not only by integrating all the valid philosophical, psychological, and scientific knowledge on the basis of Aristotelian-Objectivist principles, but also by making a *philosophical regression* utterly impossible through its *fully integrated philosophical matrix* that identifies and eliminates the whole edifice of mysticism and its symbiotic neocheating. What the zero accomplished in the field of science, Neo-Tech is achieving in the sphere of human life, particularly in the field of philosophy. As the zero heightened the capability of humans to deal with reality mathematically, Neo-Tech heightens the competence of all men and women to deal with reality philosophically. As the zero nullifies unneeded numerical values to render new values, Neo-Tech nullifies nonvalue or nonreality -- mysticism and neocheating -- to bring forth values.

It was the zero, the nonmystical "nothing", that brought about the evolution of scientific knowledge. And it is Neo-Tech, the philosophical zero, that will bring forth not only the evolution of knowledge but also the evolvment of human happiness and prosperity, forever. The zero rendered all the numerical systems of the past totally obsolete. Neo-Tech now renders obsolete every system of philosophy that has ever existed, even Aristotelian or Objectivist philosophy, while integrating all valid knowledge of the past, the present, and the future in its forever- evolving philosophical matrix. The zero is the most potent mathematical tool ever to be conceived and Neo-Tech is the most powerful philosophical tool ever to be discovered. The zero and Neo-Tech are both based on Aristotelian principles, on objective reality, and epitomize the power of human consciousness in its full glory.

Neo-Tech is the philosophical zero. Indeed, to comprehend its depth and harness its power is not only to achieve a life of unlimited prosperity and happiness, but also to live forever, even after the Sun dies.

8. NEO-TECH, THE PHILOSOPHICAL ZERO

Neo-Tech is a new technology based on fully integrated honesty. "New" means never before discovered, never before identified. "Technology" means the application of knowledge. "Fully integrated honesty" means honesty that is based on contextual facts and objective reality, and applied in every dimension, every facet, and every moment of life. "Honesty" means the active state of according oneself with reality. Neo-Tech is a new system of knowledge that self-contains the knowledge of application or to which the knowledge of self-application is integral. And Neo-Tech contains, integrally and integratedly, philosophical, psychological, and scientific knowledge.

The physicist-mathematician Sir James Jeans (1877-1946) cogently defined science as "the earnest attempt to set in order the facts of experience." Philosophy is a sphere of science that deals with "order" itself; it is the science or knowledge of the principles of "ordering" the facts of experience. Philosophy permeates the entire field of science and provides the principle or the context in which to set in order given facts of experience that pertain to a particular branch of science. Without a valid philosophical foundation no branch of science could arrive at a valid picture or theory of the reality-sphere about which it is concerned.

Experience is the raw material of science. Existence and cognition/consciousness are always inherently present in all experiences. Experience is the complex awareness of existing, of self coexisting with all the nonself. Experience is always biterminal, i.e., it has a beginning and an end. Since experience is biterminal, and thus finite, it can be stored, studied, directed, and, with conscious effort, set in order for various human advantages. Science is that conscious effort/experience for setting in order a finite set of finite experiences, and philosophy is a particular conscious effort/experience for setting in order the very experience of setting in order.

Philosophy, thus, concerns itself with the principle of "ordering" and provides a contextual order for all branches of science and all spheres of human existence. Furthermore, a philosophical context is self-referential, that is, it is not only the context for science and human existence but also serves as its own context. Philosophy, therefore, is the reflection or the expression of the fundamental inner working of consciousness *qua* consciousness. No philosophy had ever existed before the advent of consciousness. The bicameral mind had various myths but not a single philosophy. To be human, to be conscious, in essence is to be a philosopher and what kind of philosophy one consciously or subconsciously possesses determines the entire destiny of his life. Similarly, what kind of philosophy humanity as a whole predominantly chooses determines the entire course of human history.

Neo-Tech identifies two fundamental systems of philosophy: Platonistic and Aristotelian. Platonistic philosophy is rooted in the perceptivity-centered (or the emulated bicameral) modality of consciousness and breeds mysticism and neocheating. Aristotelian philosophy is rooted in the conceptuality-centered modality of consciousness and breeds knowledge. Platonistic philosophy has been used mostly in the fields of government, politics, and religion, fields that exist not through producing values but through usurping values. Aristotelian philosophy has been used mostly in the fields of science, technology, and productive business -- the fields that create values.

Since the grand neocheating strategy by the master neocheaters of antiquity has prevailed, the forces of government, politics, and religion have reigned over the world. Platonistic philosophy has dominated and determined the course of human history, while productive scientists, technologists (including engineers, artists, and craftsmen), and businessmen (including the working class and farmers) have continued to produce values quietly, implicitly employing Aristotelian principles. Ironically, no one except a handful of master neocheaters such as popes was able to know the real cause of physical devastation and spiritual destruction which humanity seemed destined to endure. For no knowledge existed that could successfully identify mysticism and neocheating in their causal and structural entirety.

Neo-Tech is such a knowledge. Neo-Tech is the only system of knowledge that is *designed* to identify and collapse the entire edifice of mysticism and its symbiotic neocheating. Neo-Tech brings to light the total epistemological structure and mechanics of mysticism and neocheating through its fully integrated and evolving philosophical matrix. With Neo-Tech, people around the world are now capable, for the first time in history, to rid their consciousness of the 3000-year-old mental cancer -- mysticism, and also to rid their lives of the 3000-year-old mystical hoax -- neocheating. Neo-Tech indeed is the first philosophical device or knowledge-tool (*organum*) ever developed for the complete extirpation of the philosophical plague -- mysticism and neocheating -- that has afflicted humanity for three millennia.

In the history of philosophy three organums (the principles or the tools of knowledge) were developed before Neo-Tech -- the first, "*Organum*", by Aristotle (384-322 B.C.), the second, "*Novum Organum*", by Francis Bacon (1561-1626), and the third, "*Tertium Organum*", by Pyotr D. Ouspensky (1878-1947). Neo-Tech by Frank R. Wallace is the fourth organum and completes the work by Aristotle. Aristotle, through his "*Organum*", identified and developed the whole principle of valid knowledge, i.e., logic. He developed the principle of noncontradictory identification whereby all knowledge is discovered, verified, and evaluated. Even when his various misconclusions, such as his geocentric theory, were disproved, it is his organum that was used to disprove them.

Although Bacon had very little regard for either Plato or Aristotle, "*Novum Organum*" nevertheless exhibits a mixture of Platonistic and Aristotelian principles, and thus is fundamentally Platonistic (for no system can be built on the basis of Aristotelian principle if it "incorporates" Platonism; only within a Platonistic context can some fragments of Aristotelian knowledge be admixed, mainly as tools for non sequiturs). "*Tertium Organum*", by P.D. Ouspensky, a Russian mathematician-turned-mystic who studied under another Russian mystic, G.I. Gurdjieff, is characterized by its regression into Platonism with an Eastern philosophy/psychology undertone. His conception of consciousness, "cosmic consciousness", as well as his interpretation of Einstein's *Theory of Relativity* and fourth dimension, is highly mystical and thus has little to do with reality *qua* reality.

The following is a comparison chart that demonstrates the difference between Aristotle's *Organum* and Ouspensky's *Tertium Organum*:

Organum:	A is A.
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A is not not-A.
Each existent is either A or not-A.

Tertium Organum: A is both A and not-A.
or
All is A and A is all.

If A is both A and not-A, how can one identify A in the first place? If *Tertium Organum* is true, then everything loses its identity and nothing can be known -- even *Tertium Organum* itself cannot be known. Ouspensky recognizes that his logic is absurd and attempts to exculpate himself from this apparent contradiction by saying, "We must be prepared for the fact that *it is impossible* to express superlogical relations ("higher logic") in our language." What is his philosophy based upon? A profound mistrust and contempt in man's "ordinary" cognitive process and the power of reason. Where does his philosophy lead? To a complete denial of conceptual knowledge. His philosophy of "higher logic" is a total negation of reality in the name of "higher reality". Only those who are profoundly dissatisfied and unhappy with reality could aspire to such a philosophy. Yet, P.D. Ouspensky was one of the most brilliant Platonists in history, integrating Eastern mysticism into Platonism with remarkable intellectual sophistication.

As Aristotle provided the fundamental principle of all valid knowledge and action, Neo-Tech offers the principle that identifies all invalid knowledge and action. Metaphorically, Aristotle evolved the philosophical positional number system and Neo-Tech discovered the philosophical zero raising Aristotelian philosophy to new heights. In essence, with Neo-Tech, the philosophical zero, man's philosophical capability for dealing with reality increases infinitely, in much the same way as the zero has infinitely increased man's mathematical capability for dealing with reality. Platonistic philosophy and other philosophical systems that are based upon Platonistic principles are the philosophical Roman numerals and cripple man's philosophical or conceptual ability to deal with reality successfully, and thereby to achieve knowledge, power, happiness, and prosperity. With Neo-Tech, the philosophical renaissance will indeed unfold forevermore.

Humanity as a whole now faces an unprecedented crisis brought about by the disparity between scientific/technological development, which was effected by the zero and Aristotelian philosophy, and the philosophical/moral/political underdevelopment, which was caused by Platonistic philosophy, mysticism, and neocheating. At the same time, humanity as a whole also now faces an unprecedented opportunity made possible by advancements in science and technology, by the discovery and development of Neo-Tech, and by the subsequent flourishing of productive business all around the world. The following are some of the major obstacles in achieving and realizing the unprecedented opportunity that now awaits humanity.

(1) Platonistic/Kantian philosophies, and prevailing mysticism/neocheating that arise therefrom:

The task of philosophy and the job of a philosopher is not to obfuscate but to clarify reality, not to complicate but to simplify living, i.e., not to further mystify but to progressively demystify the human mind in relation to reality and human life. However, except for Aristotle, Ayn Rand, and

a few others, most philosophers throughout history have almost completely defaulted in their responsibility.

Ever since Plato elaborated the *sophistry* of "reality creation" and developed the matrix of *noncontextual logic* (inner logic that has no reality-integrating context), philosophy has gone astray, falling ever deeper into the trap of mysticism. Yet, no philosopher, not even Plato, could systematically deny man's rational faculty and attack the validity of reason...until the German philosopher Immanuel Kant (1724-1804).

The expressly stated purpose of Kant's philosophy is to save the "morality" of self-abnegation and self-sacrifice, i.e., altruism. Since no rational basis can exist to support altruism (Aristotle, for example, successfully disqualified Plato's theory of Forms), what it has to be saved from in honesty is conceptual-centered consciousness and its prime faculty, reason. In order to fulfill his purpose, Kant conjures up a new version of Plato's Forms called the "noumenal" world and sets out to "prove" that the noumenal world by nature cannot be known, that it is out of reach of reason, while declaring all along that it is the world of "real" reality, "higher" truth, and "things in themselves."

Kant imperiously uses his noncontextual logic in proving his brazenly clear conclusion with unintelligible arguments that are full of evasions, equivocations, obfuscations, circumlocutions, and *non sequiturs*. He proclaims as self-evident what is in reality arbitrary or untrue, and provides erudite references to science as well as to pseudo-science to create an illusion of credibility. Thus, through his non-contextual inner logic and mind-paralyzing unintelligibility, Kant cleverly shifts morality from the sphere of reason to the domain of faith and declares that what cannot be known by reason (the noumenal world --the source of morality) can be *believed*, whereby making morality exempt from reason.

Kant asserts that the human mind by nature distorts reality because everything that is conceived by consciousness is conceived through automatic filters in consciousness (termed *categories*). Thus, according to him, reality as conceived by consciousness is inherently *subjective*, and objective reality, the noumenal world or things in themselves, forever remains on the other shore of reason not to be known but only to be believed. Therefore, consciousness, because it is consciousness, because it is a cognitive faculty -- because of its very *identity* as a cognitive faculty, cannot cognize reality as such.

If reality conceived by consciousness were in truth *inherently* subjective and, therefore, relative, then his entire philosophy itself would lose its claim to truth. For, *any statement that is made with regard to reality demands itself to be objective*. A statement that reality is subjective is inescapably self-contradictory and negates its own validity. In point of fact, Kant's philosophy is an extremely clever exploitation of a common misunderstanding concerning objectivity.

Objectivity, epistemologically speaking, is the state of cognition that acquires knowledge of reality by means of reason in accordance with logic, the principle of noncontradictory identification. Epistemologically, objectivity rests upon the universality of reason and logic. Metaphysically speaking, objectivity is the recognition of the fact that reality exists independent

of consciousness...of any particular state of consciousness. Metaphysically too, objectivity rests upon the universality of reason and logic.

Metaphysical objectivity, the fact that reality exists independent of consciousness, does not mean that reality exists beyond the reach of consciousness, as Kant maintains, but it means that reality exists beyond any arbitrary factor of the cognitive experience, beyond anyone's feeling, emotion, wish, or awareness/unawareness. Through the universal means of reason that accords itself with logic -- the universal principle of noncontradictory identification, one can always apprehend and comprehend reality that is objective and immutable (see Chapter 4).

What is required is not faith or belief but discipline -- the discipline to use one's consciousness in accordance with logic regardless of feelings, emotions, or wishes. Discipline is the process of consciously creating increasingly higher order within oneself. Philosophy is a discipline. Business is a discipline. Kant's philosophy offers the most clever rationale in history for the evasion of discipline, any discipline that is required for a rational apprehension of reality.

Kant's philosophy had a devastating impact on subsequent history. Both Marxism and Nazism have their philosophical roots in Kantian epistemology and ethics -- the epistemology not of knowledge but of blind faith and the morality of self-sacrifice and self-abnegation. All current philosophies, which are in reality anti-philosophies, such as existentialism, pragmatism, and "logical" positivism which proclaims, *inter alia*, that one cannot prove that he exists, grew out of Kant. Kant's philosophy indeed was the culmination of Platonism, and became the temple of mystics and the Bible of neocheaters.

The still-prevailing Platonistic philosophy, mysticism, and neocheating around the world are indebted to Kant and his philosophy. If Plato is immoral, Kant is evil to the core of his soul, for he deliberately and knowingly undercut reason and consciousness, and thus the dignity of man as thoroughly as any human being can -- a feat Plato could never have surpassed because of his professed respect for reason. (Authentic and generally sincere respect for reason was implicit in all Greek philosophies). Through Kant, philosophy became not only a useless exercise of the mind but also a lethal weapon of neocheating. Kant provided not only an opportunity for mediocre minds to feign an air of profundity but also an extremely powerful tool for clever mystics and neocheaters to rationalize their existence, which consists solely of destruction, manipulation, or plundering of others.

But now, through Neo-Tech, humanity has an *intellectual lie detector* by which an ordinary person can see through the neocheating labyrinth of Immanuel Kant and the mystical edifice of Plato. The hidden advantage of master neocheaters such as Kant rests solely upon the fact that they know untruth as untruth and nonreality as nonreality, while others are made to believe untruth as truth and nonreality as reality. However, no matter how clever Kant is or how brilliant Plato is, they can never deny reality *in reality*. Reality is there...to be known and to be integrated. Neo-Tech offers not only an integrated picture of reality but also, through its matrix-structure, definitive tools for the conceptual integration of reality.

Through Neo-Tech, people will be able to see that the philosophical labyrinth of Kant is nothing save an extremely clever scheme for concealing his incompetence as a thinker and manipulating

others into believing his conclusions with no regard to truth and reality. Through Neo-Tech, people will also be able to see that the mystical edifice of Plato is nothing save a brilliant fabrication for controlling others and imposing his own will onto reality. Through Neo-Tech, reality will consistently reveal its commanding presence, shine forth upon the darkness of nonreality, and cast away that which has never in reality existed except in the minds of men under the spell of mysticism and its symbiotic neocheating.

(2) The grand myth that there is an inherent inadequacy or scarcity of life support such as food or money (symbolizing real value) on this planet:

In 1800, after receiving a complete inventory of the world's vital and economic statistics for the first time in history, Thomas Malthus, later professor of political economics at the East India Company College, concluded that the world population was increasing at a rate of geometrical progression, whereas life-support production was increasing only at a rate of arithmetical progression. In 1810 he confirmed this earlier finding. Thomas Malthus thus proved mathematically what people all over the world had innately believed since the beginning of human history, that there was an inherent inadequacy of life support on the planet and that the situation would become progressively worse.

"Pray all you want," said Malthus, "it will do you no good. There is no more!" A half-century later, Charles Darwin developed his theory of evolution, propounding that the inexorable processes of nature were the consequence of the "survival only of the fittest species and individuals within those species." Karl Marx compounded both Malthus's and Darwin's scientifically convincing conclusions in order to "prove" his predecided point, and said, in effect, "The proletariat are the fittest to survive, for they are the ones who know how to handle the tools and seeds to produce the life support. The opulent others, the bourgeoisie, are mere parasites."

The opulent others argued semi-rationally, "We are opulent and at the top of the heap because we have successfully demonstrated the Darwinian principle, survival of the fittest. The workers are dull-minded and have no vision. What is of essence for survival in this world is cunning, intellectual fighting skills, and farsighted enterprise." For the last century these two political/economic ideologies, communism and so-called capitalism, have dominated the political affairs of the world -- both coming from the assumption that there is not enough to go around.

However, missing in Malthus's theory was a critical understanding regarding the power of the human mind and consciousness, as well as consideration concerning the possible evolution of human knowledge. He disregarded or failed to see that knowledge could and did indeed increase at a geometric-progression rate that would far exceed the growth of human population, overcoming the seemingly inevitable paucity of life support on Earth. The advancement of scientific and technological knowledge, which includes the food-production/ distribution technology and the development of the birth-control pill, has long eradicated the once universal and seemingly inevitable inadequacy of life-supporting goods. In a world where there are sufficient numbers of producers who produce more than they consume, inadequacy of life support or overpopulation is categorically impossible. And once mysticism and neocheating are eradicated from the planet -- once the Neo-Tech world comes into existence, *each* human being

will always produce more values than he or she can ever consume, so that the impossibility of the inadequacy of life support or overpopulation will further become self-evident.

However, in spite of the clear evidence that humanity now has more than enough life support and everyone on this planet can be self-sufficiently wealthy if he or she works honestly and productively within his or her capability to produce values for others, the political neocheaters continue to propagate and exploit that age-old myth of inadequacy in order to stay in "power" and control the misguided populace. The religious neocheaters apply the myth of scarcity to their "Heaven" and say, in effect, "There is not enough space out there in the heaven, and in order to be the fittest to survive in that world, you must follow our teaching and donate your money and soul to prove that you are indeed worthy of survival after your death."

This is a clear example of creating problems where none in fact exist. The increasing sufficiency of life support on Earth indicates an entirely new era of human life and history: War is unnecessary. Governmental politics is unnecessary. All manipulation, deception, and physical force are unnecessary. In other words, neocheating in every form is unnecessary and in reality obsolete. For every man and woman can now live with an ever-increasing standard of living, and achieve genuine wealth, prosperity, and happiness through his or her own honest, rational, and productive effort, thinking, and action without ever destroying others. With Neo-Tech and its complete annihilation of mysticism and neocheating, the one most able to survive -- the honest and rational individual -- now becomes what he or she deserves to be, the fittest to survive.

Neo-Tech shows every conscious being the way to become a true producer of values, and works as a catalyst in bringing forth a world of ever-evolving happiness and prosperity with the only rational, value-oriented, natural-to-humans social/political/economic system, i.e., *laissez-faire*, free-enterprise capitalism. And it is on the basis of increasing sufficiency of life support on Earth that the value-oriented Neo-Tech business world -- a profit-oriented, *laissez-faire*, free-enterprise capitalist society -- is built. Value is the actualized knowledge or accomplished technological capacity that protects, nurtures, supports, and accommodates all growing needs of life. Money is the effective means of exchanging disparate and nonequitable items of real value. In a rational business world, the relationship of money or profit to real value will be logically authenticated, and money or profit will follow the production of values naturally.

(3) National division: Since war is in reality obsolete, national division only serves as a means of protecting an individual who happened to choose living in a particular location on this planet so that he can exercise his free will, free choice, and free action in pursuing his productive career. It is not nations but individuals and companies that must compete in creating and producing values higher than others in the same business. It is not to nations but to themselves that individuals must belong. It is not with nations but with companies that they must identify themselves. For it is not where one lives but what he does to create values for others that is of significance. People do not and cannot choose their birth, their place of birth, or their parents. People do choose and must choose, however, what careers to pursue and which companies or organizations to work for (including their own). Society, therefore, must be structured on the basis of people's conscious choices, and people should not be bound by things over which they can have no choice whatsoever, such as their birthplace, sex, or color.

The world's neocheating power structures have always "divided to conquer" and have always "kept divided to keep conquering." As a consequence, the neocheating power structures have so divided humanity -- not only into special-function categories but also into religious, national, language, and color categories -- that humanity at large has lost its ability to distinguish between earned values such as knowledge, skill, or character and coincidental attributes such as color or nationality. It is imperative to structure the world on the basis of earned values and people's free choice or will. Neo-Tech makes a clear identification of the human value system and helps to create a world in which every individual is identified not in terms of accidental attributes but of earned values acquired through his conscious choice and effort.

People do not belong to their countries. People do not have any obligation to their countries. People's obligation is only to themselves and to their dependent children. No one should hinder others from fulfilling their obligation. It is to that extent, and to that extent only, that people are collectively responsible for one another's well-being. The current national division, to a large extent, is the result of the "real-estate war" fought over the centuries amongst power-hungry, physical-property-coveting neocheaters. A nation is a nonfundamental entity that exists solely on the basis of agreements among individuals. What is fundamental is a conscious individual human being who, unlike nations, can think, create, and produce. Nations cannot exist without people, but people can exist without nations -- probably much more happily and successfully.

Collectivism, therefore, is an inversion of reality. Individualism based upon the sound recognition that a conscious individual is the highest cause and the supreme value in existence is the only reality-based moral, ethical, political philosophy there is. In the future Neo-Tech world, countries will be recognized for what they really are, i.e., agreed-upon divisions for the convenience of living together. In the future Neo-Tech world, the planet will be seen as dynamic, synergetic interactions among companies and businesses whose *Primum Mobiles* (Prime movers) are the productive, energetic Neo-Tech men and women living happily and prosperously as the permanent residents of the universe.

(4) Over specialization of knowledge: Because of the successive master neocheaters' extremely effective strategy of specializing knowledge, universities around the world still continue to divide and subdivide the otherwise-integrated sphere of knowledge into many fragments. As a consequence, the great majority of humanity is incapable of understanding the language of science, the most highly specialized field of knowledge. In addition, the educator/philosophers who belong to the John Dewey-genre school of thought and fundamentalist/creationist religious fanatics further spur humanity into scientific illiteracy. Furthermore, scientists and mathematicians often base their philosophical thinking upon Platonistic principles, or completely divorce themselves from philosophical thought, resulting in a highly fragmented and isolated utilization of Aristotelian principles.

Therefore, humanity at large does not realize that all that science has ever come to know is the fact that the physical universe consists of an interreciprocating technology with exquisite design principles, which consciousness discovers and harnesses to create all human technology. The great majority of people think that technology is a "new" phenomenon and identify it with (1) weapons and/or (2) machines, the latter, competing with them for their jobs. Because of these notions (or misconceptions) and all the antitechnology propaganda by the mystics and

neocheaters, most people erroneously think that they are against technology, without realizing that the technology they do not understand and are against is a *sine qua non* for achieving never-before-possible prosperity and happiness on Earth. (Nothing inherent in technology causes environmental pollution. Further technological advances will soon solve the problem if there is no government interference.)

Business not only requires a wide integration of knowledge but also is the integrating force of knowledge. It is in business that various fields of knowledge meet and together produce values that have never before existed. It is in business that science and technology bear their fruits and transform nature into values. It is in business that philosophy meets the challenge of life and finds its application in the productive sphere of human life. Therefore, the overspecialization of knowledge that humanity has experienced since time immemorial and still continues to experience implies that the function of business in society has been continuously truncated until today. Furthermore, in the current system of university education, business itself is seen as a specialized field and taught mostly by professors who have never been in business themselves. In reality, business is not a specialized field but a synthesis of other fields of knowledge which integrates philosophy, science, and technology into a system of value production encompassing the entire sphere of human existence.

Overspecialization of knowledge, on the one hand, brought about a scientific/mathematical *esotericism* that is inaccessible to the general public and at times divorced from reality, and on the other hand, effected the truncation of the function and the purpose of business. Neo-Tech, through its full integration of philosophical principles, reveals a stunningly new picture of the universe and opens a new path of science that is not only free of Platonism (a divorce from reality) but also will bring a new revolution/evolution of scientific knowledge that is accessible to every conscious being, which, then, in turn will make possible the world-wide realization of highly advanced technological societies and scientific literacy. It further reveals an integrated picture of business and its function not only in human societies but also in the universe. In the final two chapters of this treatise, the science of the future and the never-before realized purpose of business are explored.

9. THE NEO-TECH REVOLUTION

Every time knowledge reaches a new height, a whole new dimension of the unknown unfolds right in front of our eyes. We become aware of a dimension of the unknown which we previously did not know that we did not know. Since all of human knowledge is based on finite experience, there is always a sphere of existence or a dimension of reality that is as yet unknown. Knowledge perennially begets new dimensions of the unknown, which in turn begets new realms of knowledge and expands forever into infinity.

The Copernican Revolution revealed to humanity the fact that there is absolutely no "up" or "down", "above" or "below" in the universe, nor does the Sun "rise" or "set" on the Earth. An apple does not fall "down" to the ground; it simply collides with the surface of the Earth. What then is gravity? The Copernican Revolution not only totally transformed humanity's philosophical conception of the universe but also brought to light a whole new dimension of the unknown and a whole new set of questions. And the history of science since Copernicus has been that of a continual unfolding of new discoveries, new unknowns, new questions, and new realms of knowledge.

The Copernican Revolution laid ground for Newton's discovery of *universal gravitation*, which in turn, with other brilliant discoveries, made possible Einstein's *Theory of Relativity* and quantum physics of the 20th century. Beginning with Einstein, physicists around the world began a new search, an extraordinary intellectual enterprise, to give a complete description of the foundation of matter, space, and time with a single set of linked equations that contains the elements of the entire universe -- a theory formally known as the unification theory or the unified field theory and referred to, half-humorously, as the Theory of Everything (TOE). Einstein spent his later life searching for a unification theory -- in vain. Others in the late 20th century are coming increasingly closer to a TOE in a strictly physical sense through highly complex manipulations of mathematical/geometrical formulations such as in the superstring theory.

Within this historical context, Neo-Tech reveals an *in toto* different, new unification theory that will mark a new Copernican Revolution of scientific knowledge: the Neo-Tech Revolution. Throughout the history of science, consciousness has been seen only as a passive observer and conceptual integrator of cosmic phenomena, having nothing whatsoever to do with the destiny of the universe. Some in the field of quantum physics challenge that notion, and assert that the observer and the observed are inextricably linked and constitute one unified field or context of reality, and therefore consciousness could be a participating/contributing element in the destiny of the universe.

However, quantum physics, and science in general, lack the crucial knowledge and system of identification regarding the nature of consciousness. Thus, while quantum physics is an extremely efficient mathematical tool in predicting the subatomic phenomena, it fails to provide a unified theory concerning the nature of reality and the destiny of the universe. Moreover, some physicists indulge themselves in the mystical notion of "cosmic consciousness" due, partly, to the lack of knowledge with respect to consciousness and, mainly, to the philosophical poverty within the scientific community.

On the basis of Julian Jaynes' discovery and Aristotelian principles, the Neo-Tech unification theory states that consciousness -- not some "cosmic" consciousness, which does not and cannot exist in reality, but "earthly" consciousness, which human beings and other conscious beings throughout the universe possess -- is not only an essential component of reality but also the dominating force of the universe. The Neo-Tech unification theory demonstrates, on the basis of Einstein's model of the physical universe, that only through conscious beings' accumulation, integration and harnessing of knowledge, and utilization of technology therefrom, can the universe sustain its cosmic order eternally. And conscious beings sustain the cosmic order of the universe not just to maintain the universe *per se* but to sustain their own existence in the universe. For conscious beings always recognize the supreme value of individual consciousness within a universe, and therefore realize that conscious life must be sustained forever.

The Neo-Tech unification theory proves that consciousness *is* the mightiest controlling power in the universe and that each conscious being possesses that mightiest power equally in abundance, regardless of his or her native intelligence. The pre-eminent feature of this theory is that, even if the model of the physical universe employed in its exploration -- *the long-wave/short-wave model* -- is proved wrong or incorporated into a larger model, its fundamental thesis will remain eternally true -- for no matter what the physical or mathematical laws of the universe are, conscious beings will always discover and harness them to their greatest advantages. If an imminent annihilation of the physical universe approaches (as *the long wave/short wave model* suggests), a conscious being will literally create a new galaxy to sustain its life and maintain the cosmic order of the universe (see "We The Creators of Heavens and Earths" by Frank R. Wallace, 1986, I & O Publishing).

The first step toward that mightiest power on Earth is the complete elimination of mystics and their symbiotic neocheaters. The entire Neo-Tech literature including this treatise is dedicated to that purpose. The second step toward that mightiest power on Earth is to achieve commercial biological immortality. Life, as explored in the fourth chapter, is an *autopoietic*-cognitive process, and there is nothing in the nature of life that dictates that a living system has to perish and die, particularly a conscious living system such as a human being, for life as such is innately self-regenerative. Then, why is there the process of aging and the phenomenon of dying? The process of aging is the result of life's mathematically inevitable *aberration probability* of regenerative process. Each cell in the body continuously copies and recopies (self-regenerates) itself with some (mathematically inevitable) slight aberrations along the way, and the accumulation of those aberrations over the years is what is called aging. When the body is well cared for in a proper environment with proper nutrition, the aberration probability will be greatly reduced.

When the degree of accumulated aberrations exceeds the degree of accuracy in regenerative copying, the body ceases to regenerate itself and eventually dies (death is the cessation of *autopoiesis* -- self-generation, and therefore of cognition/consciousness). The aberration probability, generally speaking, increases gradually as time passes (because the regenerative mechanism itself is subject to the aberration probability), and the body ages steadily. However, the aging process can be greatly prolonged and humanity of the future will be able to live an extremely long life -- probably three to four hundred years very easily -- as the technology to

measure and control the aberration probability is developed; and when the probability is controlled to zero, an individual can literally live forever.

There are several different ways to achieve biological immortality. Human cloning is one. One is to recreate electrochemically an individual's entire body, which includes his brain and total information stored therein, by reducing his integrated physical pattern into a set of mathematical equations and measuring the balance and quantity of the 92 chemical components in his body. And then those 92 measured chemical substances would be electrically reconstructed into an exact replica of his body through such technologies as advanced nanotechnology. Finally, his integrated mental pattern would be transferred into his new body electroholographically. The basic method of electrical reconstruction/transference can be applied to such purposes as transporting people to far corners of the universe electrically, or electrotransmitting mathematically equated integrated patterns of living organisms to an earth-like planet somewhere in the universe -- to construct a life-environment on that planet, with the chemical elements available, in order to assure that conscious beings will eventually be present in a crucial location in the universe in keeping the cosmic balance and order of the whole universe.

The purpose of biological immortality, however, is not merely to reconstruct one's body and the information stored therein but to preserve the self, the conscious core of one's being, what Frank R. Wallace calls the sense of *I-ness*. The self is the metaphysical/epistemological axis within the entire sphere of consciousness in relation to which all the information stored in the brain is structurally integrated. Through self-consciousness, the universe becomes divided into the self and the nonself, and experience begins. (Experience is the complex awareness of self coexisting with all the nonself.) The sense of *I-ness* sets consciousness in motion. It is the core of consciousness' *autopoiesis*; *it is the autopoiesis*. Therefore, the *I-ness* cannot be reconstructed by any means externally; it can only be transferred to trigger *autopoiesis* -- and here lies the greatest technological challenge of biological immortality.

Consciousness does not age, because it is not a physical living process that regenerates to exist but a metaphysical phenomenon that generates itself solely through metaphysical concepts and principles, albeit it requires a living conscious agent to sustain its existence. For the self-interest of a conscious being, his or her own conscious life of rational necessity becomes the highest value, the supreme cause, in the whole universe. Therefore, his or her conscious life must always be sustained. The sustenance of conscious existence with the sense of *I-ness* and all of one's character/personality traits, thus, becomes the highest and the ultimate moral purpose of every conscious being living anywhere in the universe. Therefore, the purpose of biological immortality is to preserve oneself for the sake of oneself to achieve ever higher prosperity and happiness for oneself forever (see "Three Steps To Achieving Commercial Biological Immortality In Our Lifetime" by Frank R. Wallace, I & O Publishing).

Moreover, once commercial biological immortality becomes a reality, each conscious being's knowledge will infinitely expand, first accelerating at a tremendous rate of geometrical progression, and then eventually at the speed of light. Thus, the realization of commercial biological immortality serves the destiny of the whole universe as well. The achievement of commercial biological immortality indeed is the utmost moral purpose of present humanity on Earth. And the complete eradication of mysticism, internal as well as external, and of

neocheating around the world, is an extremely urgent issue facing every man and woman on this planet today. For mysticism and neocheating are the only obstacles to the achievement of commercial biological immortality and all other life-enhancing values that exist and will ever exist in the universe.

Through the eradication of mysticism and its symbiotic neocheaters, and the subsequent achievement of commercial biological immortality, humanity will begin to fulfill its cosmic function as the local information gatherer, knowledge integrator, and problem solver of the universe. Thus, through the realization of commercial biological immortality on the planet Earth, humanity can join the ranks of other highly advanced conscious beings existing throughout the universe who have not only achieved biological immortality but who have also attained the power for controlling the eternal destiny of the universe and for reigning over infinity.

Existence is not intertransformable with nonexistence; existence does not turn into nonexistence nor does nonexistence turn into existence. Therefore, the axiomatic fact of reality that existence exists proves that existence is eternal and infinite. Thus, the universe -- the complex aggregate of all consciously apprehended and communicated experiences of events in existence -- is *actually* eternal and *potentially* infinite. That means the universe has never had a beginning nor will it ever have an ending, nor can it possibly have any beginning or ending.

Given the infinity of existence and its eternal span of time, what is theoretically possible will occur infinite times in actuality. The fact that conscious beings exist on the planet Earth unequivocally proves that there have been and there will be billions upon billions of conscious beings existing throughout the universe. Moreover, the fact that commercial biological immortality is theoretically possible further proves that there have been and will be millions upon millions of conscious beings living eternally.

Conscious beings' accumulation of knowledge increases, first at a geometrical progression rate, then eventually at the speed of light. Thus, their power for controlling the universe and its destiny also increases at a tremendous rate. Therefore, the amount of knowledge and power that might be possessed by conscious beings who have achieved commercial biological immortality millions of years ago is totally beyond the imagination of current humanity on Earth. And probability statistics indicate that these highly advanced conscious beings exist not by the few but by the billions.

Furthermore, it is logically predicated that many of those highly advanced conscious beings have attained the power to control the entire universe, and that the universe is *virtually* run by them. For, as mentioned before, given an infinite span of time, what is theoretically possible will occur infinite times. Those conscious beings not only control the existing universe but also can freely create new universes, whereby infinitely expanding the realms of existence forever. The universe is the eternal scenario of existence written by those highly evolved conscious beings that exist throughout the whole universe. Through the achievement of commercial biological immortality on Earth, we, too, will someday be able to write the scenario of our own universe.

Neo-Tech is the name given on the planet Earth to the primordial essence of all knowledge that conscious beings can ever possess anywhere in the universe. And the primordial essence of the

universe-controlling power that conscious beings will eventually claim is Neothink. Perceptivity-centered consciousness incorporates the present with the past in the context of the past. Conceptuality-centered consciousness incorporates the past with the present in the context of the present. While these two modalities are inherently fragmented and can never reach the universe-controlling power, Neothink integrates the future with the present and the past; it integrates the entirety of time -- the future, the present, and the past, i.e., eternity. Neothink also integrates the unknown with the known; it integrates the entirety of existence, i.e., infinity.

What is Neothink? Neothink is the ultimate modality of conscious intellection that generates the context-creating matrices through which all ground-breaking integrations of knowledge can occur. Contexts define the structure of integration, and context generation is the finest function of consciousness. Neothink brings into existence a vast integration of knowledge that would be impossible for the other two modalities of consciousness, i.e., perceptivity-centered and conceptuality-centered modalities, precisely because the Neothink integration of knowledge is accomplished in a *self-created* context. Perceptivity-centered consciousness has no context at all. Conceptuality-centered consciousness integrates knowledge only in an existing context. It is Neothink that takes knowledge into new dimensions of integration by continually defining ever larger and finer contexts.

The great thinkers are distinguished not by their intelligence but by their ability to create a new context. In science, Newton and Einstein are the two greatest Neothinkers of modern history because they could create the fundamental contexts that determined the entire course of subsequent scientific development. In philosophy, Aristotle and Plato are the two greatest Neothinkers because they created the two fundamental contexts, albeit radically opposing, that determined the course not only of philosophy but of the entire history of mankind. (Aristotle defined the context for reality identification/integration, whereas Plato defined the context for nonreality generation/rationalization.)

Neothink is amoral. That is why some of the greatest Neothinkers such as Plato and Kant are master neocheaters. Neo-Tech is the first conceptual matrix for Neothink formation that is designed to counteract and overcome the force of Neothink-neocheaters. Neothink is intellectual nuclear power; it can destroy values and annihilate humanity completely if employed by master neocheaters, or it can bring eternal happiness to humanity and transform the universe forever if employed by Neo-Tech individuals. Thus, for the benefit of all humanity, it is urgent that Neo-Tech, the voice of fully integrated honesty, be heard and understood, and evolve into the Neo-Tech/Neothink matrix.

Context creation is the finest form of integration; it is the integration of integrations. Neothink is a two directional vector, as it were, whose two distinct magnitudes represent potential eternity and infinity. Context creation, the integration of integrations, moves into two directions by increasing its magnitudes ever closer, in one direction, to eternity and, in another, to infinity. As the zero yields infinity when it divides a given number, Neo-Tech, the philosophical zero, brings infinity and eternity into the realm of cognition when it captures the facts of reality in its fully integrated matrix/context. Hence, the Neo-Tech/Neothink matrix is the finest and the vastest context-creating matrix-structure whose infinity/eternity grasping power can far surpass and thus can soon collapse the neocheating/Neothink matrix of master neocheaters.

By fully integrating Neo-Tech knowledge while dispelling mysticism and transcending both perceptivity-centered and conceptuality-centered modalities...by entering the sphere of Neothink, humanity will be able to realize that the universe is an eternally regenerative scenario composed and directed by conscious beings, and consisting of intricate interactions of eternal design principles that exist as the totality of eternally noncontradictory abstractions, i.e., as objective and immutable reality. It is truly remarkable that conscious beings should be able to comprehend these inexhaustible eternal design principles of the universe and immensely fine abstractions of reality, and, with Neothink, to control the manifest destiny of cosmic existence. And through its faultless logic, Neo-Tech eloquently demonstrates that consciousness, this infinite capacity to know and control, along with its growth into Neothink, is not an accident but an essential component of the eternal design of the cosmos.

With Neothink, conscious beings begin to fulfill their destiny. With Neothink, conscious beings begin to control or alter the manifest destiny of the universe. The Neothink consciousness is not only the conceptual integrator of the universe's design principles but also becomes the prime designer of the cosmos. Neo-Tech, the philosophical zero, made possible the dawn of Neothink, the rebirth of human consciousness to unprecedented heights and into full maturity. Now, consciousness on Earth begins a new journey toward the evolution, a mighty power without end - the eternal journey and unfoldment of the Neo-Tech Revolution/Evolution. And the whole *romance* of that eternal cosmic Neo-Tech journey is called BUSINESS.

10. THE UNIVERSE, INC.

Business is the integrated circuit of consciousness designed to produce values. Value is the actualized knowledge that protects, nurtures, supports, or accommodates all growing needs of life. The process of value production consists of four stages: (1) metaphysically conceiving potential values -- the conception stage; (2) metaphysically/physically developing working models of previously conceived potential values -- the development stage; (3) physically mass producing previously developed product-models -- the production stage; (4) physically mass marketing product-values for consumption -- the marketing stage.

The process of value production is a tetrahedral system (*time-tetrahedron*) that divides the universe into that which is relevant and that which is nonrelevant to the production of particular values. That which is relevant to the production of particular values includes: all the information and knowledge that is required; all the individuals who possess the information, knowledge, or skills that are required; and all the physical materials, equipment, space, and time that are needed to produce particular values.

Each stage of value production -- each vertex of the *time-tetrahedron* -- has a unique value-index which increases geometrically as the process of value production evolves from one stage to the next. (The Value-Scale was first identified by Frank R. Wallace -- the following is a version devised by the author of this treatise):

VALUE-SCALE

Stage/Vertex	Value-Index	Value
The conception stage/Vertex 1	10^0	$10^0 X$
The development stage/Vertex 2	10^1	$10^1 X$
The production stage/Vertex 3	10^2	$10^2 X$
The marketing stage/Vertex 4	10^3	$10^3 X$

X = potential value of a product

Business is the integrated circuit of consciousness in which these four stages of value production take place. The integrated circuitry of business is a system (*space-tetrahedron*, which consists of four vertices -- the individual, the corporate, the world, and the universe vertices) that integrates the energy configurations of the universe into a value-producing machine. Production of value is the process of transforming physical/mental energy into a physical product of physical/metaphysical value, wherefore, productivity is the function of efficacy in transforming energy into product. Productivity means the efficient use of energy or the economics of energy. Productivity is in inverse proportion to the amount of energy unconverted into a product of

value. The maximization of productivity, therefore, ultimately means to bring energy-waste to zero.

Energy has patterns, and different tasks consist of different energy-patterns. For instance, writing an article or a book requires a unique integration of energy-patterns that is distinctly different from that of accounting, participating in meetings, or making phone calls. When one mixes two or more different integrations of energy-patterns together by shifting from one task to another or from one responsibility to another without any *control structure*, interferences of energy occur, and energy becomes wasted without ever being converted into a product of value. This happens at all four vertices of the *space-tetrahedron* -- in the individual vertex, the corporate vertex, the world vertex, and the universe vertex.

Numerous attempts have been made to discover the Neo-Tech law of productivity operating at every vertex of business or the *space-tetrahedron* -- the law of minimizing the interferences of energy in the organization of business. Productive individuals from time to time get a glimpse of the law at a personal level -- at their individual vertices. Productive CEOs from time to time come to realize the law at their personal and corporate levels -- at their individual and corporate vertices. Super productive industrial giants, such as Jay Gould and Henry Ford, from time to time discover the law at a personal, corporate, and world level -- at individual, corporate, and world vertices. Creative scientists, such as Newton and Einstein, from time to time identify the law at a universe level -- at their universe vertices (in the form of the laws of physics or the natural economics of the universe).

However, no system of knowledge or field of science has ever fathomed and comprehensively identified the law of productivity at all four vertices of business *space-tetrahedron*. Business is the highest expression of consciousness and the most integrated form of technology through which the integrity of the universe is forever maintained -- through which conscious beings transform nature into values and control the eternal destiny of the cosmos. Before Neo-Tech and Neothink, no one understood the cosmic significance of business and, consequently, no one was able to unleash the power of business to its fullest, for no one knew what consciousness is and what relationship it has to/with the rest of the universe. And now, the Neo-Tech knowledge takes every man and woman to the summit of consciousness -- *business integration*; and Neothink lets every business unleash its immense power to the fullest and transforms the entire universe into THE UNIVERSE, INC.

Business is the integrated circuit of consciousness designed to produce values -- to transform nature's technology (the physical universe) into values. The physical universe is the aggregate of energy configurations in existence. Every configuration of energy is a unique energy-pattern with its own set of separately unique frequencies. For instance, each chemical element is uniquely identifiable in the electromagnetic spectrum by its own set of unique frequencies. None of the 92 chemical elements thus far discovered in nature is the same as any of the others in its individual set of frequencies. Now, as the physical universe consists of 92 indivisible chemical elements, the whole mechanics of business can be seen as an interactive combination of unique sets of indivisible *physical movements*. That is, the entire process of business can be divided into unique sets of indivisible physical movements. (Physical movements of business were first identified by Mark Hamilton in his "Neo-Tech Control.")

A phone call as a physical movement is a unique and indivisible physical movement regardless of for whom it is intended and to what project it belongs. Similarly, letter writing, copy writing, accounting, and meeting participation can all be seen as unique, indivisible physical movements. By dividing the process of business into its fundamental physical units -- sets of indivisible physical movements -- the interferences of energy in business can be greatly reduced and, as a result, the availability and the concentration of energy can be immensely increased. This is the first principle of the Neo-Tech law of productivity: Divide the process of business into its fundamental units or sets of indivisible physical movements -- **The Principle of Division**. ...This principle applies to all four vertices of the business *space-tetrahedron* (see "Neo-Tech Control" by Mark Hamilton, I & O Publishing).

Having divided the process of business into its fundamental units of physical movements, in order to produce a maximum effect, these units must be combined, within the flow of time, into an integrated whole. In nature, two hydrogen atoms combined with one oxygen atom produce one water molecule ($2H + O = H_2O$). The nature or behavior of the final product (a water molecule) is totally unpredictable from the natures or behaviors of its components (hydrogen and oxygen atoms) taken separately (*the principle of synergy*). In metallurgy, a combination of iron, chromium, nickel, and other minor elements (carbon, manganese, and others) produces an alloy - chrome-nickel-steel. The tensile strength of iron is about 60,000 pounds per square inch (p.s.i.), of chromium about 70,000 p.s.i., of nickel about 80,000 p.s.i., and of other minor constituents put together about 50,000 p.s.i. However, the tensile strength of chrome-nickel-steel, which is about 350,000 p.s.i., far exceeds the average tensile strength of all the constituents combined (about 65,000 p.s.i.). This is another example of the synergetic phenomenon.

Similarly, in combining all the sets of unique physical movements, the effect or the outcome of integrating the fundamental units is synergetic and totally unpredictable from the separate effect of each set of physical movements. However, through experience, one can find the most effective or powerful combination/integration that produces the greatest result in his/her work or business. The designed structure of the most effective combination is termed the *control structure* of business. Furthermore, each day of one's work or each division/function of a company is a uniquely indivisible unit of physical movements, and the *control structure* should be applied to one's long-range career or a company's wide-range business integration. This is the second principle of the Neo-Tech law of productivity: Integrate the units of physical movements to produce maximum synergetic effects or results through a *control structure* -- **The Principle of Synergetic Integration**. ...This principle applies to all four vertices of the business *space-tetrahedron*.

The third principle of the Neo-Tech law of productivity is concerned with the integration of the future with the totality of the present and the past, and requires Neothink. The success of a business is always dependent upon the creation of new values, and the creation of new values is dependent upon one's ability to see *what is not*. For example, Henry Ford saw early in his life that automobiles were *not* in use as a means of transportation in the world. The means of transportation was the horse. *What was not* was an affordable automobile that would replace a horse forever. Henry Ford, through his Neothink ingenuity, converted what was not into what was. His division of labor/assembly line concept was another example of his Neothink ingenuity.

Frank R. Wallace realized that there was no science or technology for identifying neocheaters and their secret weapons. The product of his Neothink applications was Neo-Tech.

The future of every business depends upon one's ability to create the future -- the ability to see what is not. And that ability is Neothink. After integrating the entire physical process of business through the *control structure*, one must look into the future and integrate it with the present business-movement to create new values by converting what is not into what is. The conversion of what is not into what is requires an enormously vast integration of knowledge and an effective application of Neothink. The presence of mysticism within a business severely limits its ability to create and integrate the future. Where there is mysticism, there is no integrated business, no effective value production, and no Neothink. The third principle of the Neo-Tech law of productivity, therefore, is: **The Principle of Future-Integration**. This principle applies to all four vertices of the business *space-tetrahedron*.

The fourth principle of the Neo-Tech law of productivity is: **The Principle of Contextual Integration**. As mentioned in previous chapters, Neothink integrates not only the future with the present and the past but also the unknown with all the known. Neothink is the contextuality-centered modality of consciousness in which the considerations of the whole system/context precede the considerations of its subsystems/subcontexts. The fourth principle of the Neo-Tech law of productivity -- the Principle of Contextual Integration -- means that business, in order to maximize the quality and quantity of value production, must begin with a consideration of the whole business context *before* considering its component-parts. The largest whole context in existence is the universe physically, and consciousness metaphysically. That is why it is imperative to capture the universe conceptually and comprehend the inner mechanics of consciousness. Before Neo-Tech/Neothink, no one was ever able to fully grasp the nature of the universe and understand consciousness. And that is the very reason why no business could ever achieve the ultimate in business integration and productivity. With Neo-Tech/Neothink, business will soar to new heights of integration and productivity.

In a business context, all four vertices of the *space-tetrahedron* are integrated with the law of productivity and the energy-interference in business is brought, in essence, to zero; the *time-tetrahedron* becomes interlocked with the *space-tetrahedron*; and the universe emerges as THE UNIVERSE, INC. ...Business becomes the whole energy-configurations of the entire universe, and consciousness begins to control the eternal destiny of the cosmos. Neo-Tech/Neothink integration of consciousness will then dominate the course of the cosmos, and nature's technology -- the physical universe -- will be transformed into the technology of conscious beings.

The Neo-Tech Revolution in essence is the emergence of THE UNIVERSE, INC. with Neothink as the highest integration of the business mind. With the rise of Neo-Tech in the world, business will flourish in its full glory. The center of scientific/technological research/development/revolution will shift from the academe into the business community. In fact, the academe will be absorbed into the business community, becoming a part of the Neo-Tech/Neothink integration of business. In the future Neo-Tech/Neothink universe, no one will be able to survive successfully without the business integration of Neo-Tech and the business

application of Neothink, and without being a fully integrated producer of increasingly higher values.

Great days are coming, and a great eternity is commencing for those who choose life over death, honesty over dishonesty, effort over laziness -- Neo-Tech over mysticism and neocheating. But for those who choose death over life, dishonesty over honesty, laziness over effort -- mysticism and neocheating over Neo-Tech, their days are numbered. For those who strive for honesty, knowledge, prosperity, and happiness while producing ever higher values for others, the possibilities are infinite. The whole universe awaits the transformation into values. For those who strive for nothing while usurping and extracting ever more values from others, no possibility is left but death and the universe turns into emptiness, void -- the barren nothingness of the existentialist. No one can escape the powerful wave of the Neo-Tech Revolution/Evolution unchanged. One will either perish into darkness by choosing to remain a mystic or neocheater, or by choosing Neo-Tech/Neothink to become a true producer of values, evolve into a shining sun of consciousness around which the whole universe revolves. There is a choice -- a choice between life and death, between Neo-Tech/Neothink and mysticism/neocheating -- between the ultimate value and the ultimate disvalue...the choice that every conscious being must now make.

EPILOGUE

Three and a half million years have passed since humanity first appeared on this planet, and 3000 years since the dawn of conscious life. Over the millennia, humanity has acquired an enormous amount of knowledge and produced a universe of values. It is totally beyond our imagination how much advancement in knowledge we may make and how much more value we may produce in 3000 years or three and a half million years from today. It is utterly awe-inspiring to think about what knowledge, what technology, what power we will have to control the destiny of our universe in 3000 or three and a half million years. As the geocentric concept or even the heliocentric system now appears to us as primitive and moribund, our present knowledge and technology will appear totally primitive and obsolete to the humanity of those distant futures. However, that future humanity could be us -- Neo-Tech men and women -- today living on the beautiful planet we call the Earth.

Three and a half million years from now, we will still remember the time when the Neo-Tech Revolution began. We will recall the time before the Revolution when people still had to submit to neocheaters and die. We will then remember the time when the mystics and neocheaters around the world finally surrendered to the power of the Neo-Tech wave, and the time when humanity achieved its first commercial biological immortality. We will know then that the source which made the Revolution possible still remains the source, the entire source, of our knowledge and journey into the unknown, forevermore. We will say to ourselves...

"Still in our hands are the copies of a manuscript that made it all possible. It still stands at the pinnacle of our knowledge. After these three and a half million years, after we have long achieved the speed-of-light acceleration of human knowledge, it still remains the primordial essence of our knowledge. Therefore, we keep this manuscript in token of what we have accomplished ever since and what we can achieve henceforth. We keep this manuscript in celebration of our forever-growing happiness and prosperity, and of our eternal life at the center

of the universe -- in the office of THE UNIVERSE, INC. The name of this manuscript is **NEO-TECH -- THE PRIMORDIAL ESSENCE OF ALL KNOWLEDGE AND POWER.**"