





**By Order Of The Sovereign State
National Syllabus Administration**

**Thoth's Ma'at Law of
ELECTROMAGNETISM**

101

or, Knowing the Transformations of Re

a new curriculum

by The Scribe Antarah A. Crawley

New Syllabus Organization
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PEACE OFFERINGS

Tua Djhwiti ; Come Unto Me and Make Me to Act *Ma'at* in Your Office. Your Office Is More Beautiful Than All Offices... Come To Me, Guide Me; I Am A Servant In Your House. Let The World Tell Of Your Might, That All Humen May Say 'Great Is That Which Djehuti Has Done.' Let Them Come With Their Children, To Cause Them To Be Marked As Scribes. Your Office Is A Beautiful Office, You Are A Strong Protector. It Rejoices Those Who Are Invested With It.

In continuation of the Work and Calling of Master-Teachers/Scholars *Seshu* Dr. Nur Ankh Amen (*The African Origin of Electromagnetism*), Dr. MaaXeru TEP (*Smai-Tawi*), Dr. Cheikh Anta Diop (*The African Origin of Civilization*), Dr. Theophile Obenga (*African Philosophy: The Pharaonic Period*), Dr. Yusef ben-Jochannon (*Africa: Mother of "Western Civilization"*), Dr. Frances Cress Welsing (*The Isis Papers*), and the virginian Dr. Walter Russell (*The Universal One*), among the many others, on earth and with the Ancestors.

In continuation of the Work of the Prophets Noble Drew Ali, Hon. Marcus M. Garvey, Mas. W.D. Farrad Muhammed, Griot Modimoncho, Neb Naba Lamoussa Morodenibig, Dr. Imam Isa M. Z. York, SBAT Dr. Rkhty Amen, and others – toward the foundation and establishment of the Sovereign State of Naturalized Human Being (The Nation) for the glorification of the Great House of the Beautiful West, Land of the Moors.
Tua Ra.

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from The New Syllabus Natural Law Statutory Code [MAAT], (citation: *The New Syllabus* Sesh Sepdet Edition: *The Thrice-Great Book of the Works of the NS*. Antarah A. Crawley. 2017. New Syllabus Organization. DC.)

WORKBOOK

**INTRODUCTORY
SELECTIONS**
from
**N.S. MAAT NATURAL LAW
STATUTORY CODE**

[Original enumeration references the N.S. *Sesh Sepdet*]

TITLE 4 § 4
**Principles of Holistic Unity
and the Practice of Good Judgement**

1 **Mystery** is the most high practice of the unified discipline of the mind. It is likened to History. History may be described as the becoming (or making) of what is (known). Mystery may be described as the making known of what is unknown. These arts may refer to what modern science calls the quantum and atomic models of being (i.e., knowledge).

2 **Cosmology** is the study of the origin and development of the universe, of which terrestrial earth and humanity are a fractal. The study of the development process (i.e., the progression / manifestation / transformation pattern) of the largest known whole, of which all other processes and systems are fractals, informs and illuminates the observer to the commonalities and consistencies between the progression patterns (i.e., systems) of correlative and codependent fractals. This is also the science by which we observe how things come to be (known to us), and the name for this particular branch of natural science is **Ontology**, the metaphysical study of the nature of being.

3 “Metaphysic” is a derogatory term used by so-called modern scientists, who have exercised the audacity of taking the **Physical Science** out of the Ontology and discarding the Mystery. Yet none of these “scientists” would have possessed any tradition soever in which to work if it were not for the so-called metaphysical, ontological inquiries of their Platonic, Galilean, and Newtonian, forebearers, i.e., the scientific tradition of inquiry into the nature of reality based on detailed observation, which is called **Natural Philosophy**.

4 It is a fallacy to isolate physical evidence, no matter how methodical and precise, without accounting for what is beyond, or imperceptible to (“meta”), the five physical senses. True Knowledge and Understanding of the hidden forces which manifest as perceived reality necessitates the use of the sixth and seventh senses. This principle is the essence of Mystery, whose objective is to make known what exists beyond the senses.

5 The practice of reforming or codifying concrete physical science into the Mystery tradition is called **Mythology** (i.e., “my-ontology”). The Unification of My Ontology with Physical Science produces the disciplines of **Physics/Astronomy**, being the same scholarship on different scales (i.e., the laws and structures of atoms and solar systems being identical but in proportion); and **Chemistry** being the study of the composition and interaction of atoms/star-systems which is the basis of the differentiation, integration, and supreme Unification of the One Substance of Mind.

6 The *Kmtu* established an elaborate University system all across the ancient world, and maintained its capital, or Grand Lodge, in the Nile Valley. This University taught the Mysteries within the confines of the *PR-AH* Pharaonic Temples.

7 The pedagogy and science of uniting the physical and spiritual planes of the Kmtu was known to them as *Smai-Tawi*. This same science was known to the Canaanites, and subsequently the Semites, as Ka-Ba-La. This science has been redacted in the modern teachings of the prophet W.D. Farrad and is known in the School of the 5% Nation of Gods and Earths as **Supreme Mathematics**, the Cypher of Knowledge, Wisdom, and Understanding. This understanding may also be termed **Maāt-Kemetics**, or, The Study and Practice of Divine Law and Order

8 *Smai-Tawi* is “The Unification of Dual Energies [i.e., opposing forces],” or, “The Unification of the Two Lands [i.e., Heaven & Earth]”, or, “The True Unity of Things Which Appear Separate.”

9 *Smai* means “to tie, unify, together.” and *Tawi* means “dual” or “two things which are complementary but separate,” as in *ta wi*, “two lands,” or, “yin and yang” in Taoist Cosmology.

10 The *medu neter* logogram for this phrase is a lotus flower and a papyrus reed tied around a windpipe extending up from a pair of lungs, signifying the unification of Upper and Lower Khmt and the unified complementary behavior of harmonized dual entities.

11 In the context of the Natural Philosophy, *Smai-Tawi* means The Unification of Relativity and Quantum Theory and The Unification of Spirit and Substance and, in practice, The Unification of Arts and Sciences. The religious equivalent of this study and practice is “The Ritual Acceptance of Divine Law and the Ritual Restoration of Divine Balance,” meaning the “Divine Acceptance (Love/ Law) of Order [*Sekher*] and the Divine Rejection (Hate) of Disorder [*Isfet*]” (See Akan). This religion is known in the modern day as “Hermeticism,” “Esoterism,” and “Occultism.” These terms ultimately refer to the study of the immutable order of reality, which

is hidden below the surface of the perceivable world.

12 **Weights and Measures** are terms used to describe the methods by which the unification of the arts and sciences is to be affected i.e., how that which is yet unknown will be made known.

13 When things are made known then they are given **weight**. Weight is the expression of mass pressurized by force in opposition, and therefore possessing of an harmonic mean, i.e., Heart.

14 When the Heart of a mass has been located relative to constant Truth [C], then it's weight has been **measured**.

15 When measurement determines the weight, then what is being measured is then placed within its natural pressure zone within a harmonious system, and it is considered **right**, constant, good, and at peace.

16 The weights comprising any continuous unified system conform to a harmonious proportion of **scale**. Even when the scale of the system is increased, the proportion of weight to weight remains the same. All true systems are like unto all other true systems but in scale. Atomic physics is astronomy, but in scale. Therefore the measurement of any system may be replicated in another system using the known factors if the weight of any component therein be known. Thus it is said that when the scales are *Ma'at*, then the weight is measured true and righteously. Who is the one who measures the weights and speaks the Truth? It is *Djhuti*.

17 The measurement of the weight and scale of a body relative to the system [of battery] in which it acts is like unto what the Taoists call the refinement of real knowledge and conscious knowledge. It restores knowledge of context to the awareness of time.

18 The outcome of “Restoration” or “Refinement” will be the balance and order of mass-weights, their ENRG-exchange within a system, and the harmonious proportions of their scale; to effect the constancy (law) of unit systems and the identification of seemingly separate entities [by sign/sine].

19 Examine the sciences through the eyes of the arts. Elucidate the right brain through the analysis of the left brain. The Taoists say, *Truth may be approached when real knowledge becomes conscious knowledge, and conscious knowledge becomes real knowledge.*

20 Fundamentally, Weights and Measures is about the thorough analysis of given masses in light of inherent truth. Truth is known constant C acquired by established measurements, and the examiner balances [on the proverbial scale] the newly acquired (conscious) knowledge [one's “heart”] with the firm, established (real) knowledge C [the “light” “feather”; *ma'at*].

21 The quality of the person which does this righteously and “speaks” the result of truth (“*medu*”) is called *Djhuti*.

22 The quality of the person who perceives the eternal truth of these measures is called *Ws ir*.

23 The scene in which this process of understanding takes place is called the *Tuat*, or, the inner spiritual realm of human consciousness/mind, or, “The Tribunal of *Ws ir*”.

24 *Maāt* is “weight,” “balance,” “harmony,” “righteousness,” “justice,” “law,” “constant,” “reciprocity,” and “true.” The law of the balance of weights (i.e., *Ma'at*) decrees (1) that all known forces have a complementary and inverse force which accompanies it (2) that all apparently oppositional forces ultimately equalize their own opposition and harmonize into one force (3) that the measurements of the system in

which these forces interact are in direct proportion to the factors which govern the interactions of their constituent systems, and so on to infinity. This is called the Unification of the Two Lands. This constant law of *Maāt* is the foundation of the physical mechanic governing electrical transmission through the magnetic force field in our Holistic Unity. *Maāt* says, in other words, that all forces must be balanced by equal and opposing forces.

25 The Science of *Maāt-Djehuti* unifies *Maāt*, the Speech, the Weight, the Number, with *Djehuti*, The One Who Speaks, the One Who Measures, the One Who Counts It. If *Maāt* be True then *Djehuti* is The One Who Speaks That Which Is True. It is when he opens his mouth [R'] that the *Maāt* Law Cometh Forth to establish the foundational Order of perceivable reality. That is why the mouth glyph is also an eye when the bending force of Ra cometh forth into the day.

26 *Maāt* means Mother (*Ma*) - Son (*at*). *Djehuti* is the Father (*at-f*) who unifies them. Likewise do we intend to unify and balance the dual energies of the Mother/Substance (Paut Neter) and the Son/ Spirit (Ra) in the practice of *Smai-Tawism*. Thereby shall we achieve Integrity.

27 *Smai-Tawism* is the practice of the intent to Unify the dual Mother-Son theories of *Maāt*, being the theory of the One God [Ra] (monotheism / general relativity) and the theory of the Company of the Gods [Paut Neteru] (paganism / quantum field theory). As the Son is made of the Mother, so is the Sun-Ra made of the Paut (also translated as “substance”).

TITLE 4 § 7 Standard Notation

1 In Cosmology, as in any Science, it is imperative to define the vocabulary, or “**scientific notation**,” which will be used to measure the attributes of Nature. The scientific notation of the Kmtu is **Medu Neter**. This is the Language of Nature, or, the Incarnate Word of God.

2 *mdw ntchr* (or *mtu ntchr* ; *medu neter*) translates into English as “words of god”, “words of nature”, or “divine language.” It was composed by Djhuti, the scribe of the gods and messenger of wisdom, i.e., the speaker of words, mouth of *R'*, measurer of weights, etc. This is to say that the words of the *mdu ntr* are the weights of *ma'at* (truth) which are spoken by the measurer of weights. This is to say that the “language of the gods” are the physical constituents of reality which are “spoken” into existence by the god.

3 The term “Word” should be understood to mean “manifesting thing” (“the word becometh flesh,” and so on.) “Word” correlates to the Yoruba concept of “Ashe,” which is a statement of strong affirmation (“so mote it be”/ “Amen”). “Word” and “Word is bond” are also used as expressions of affirmation among Afrakans in Hip-Hop Culture living in the Diaspora.

4 *mdu ntr* is therefore the symbolical representation of all the components of physical energy and mass and the laws governing their manifestation and transmutation. *Mtu* is the notation system which the scribe Djhuti “wrote down” (manifested in the physical world) for humans to understand these patterns.

5 The system not only codifies the significance (*significance*) of reality for the purpose of inter-personal communication, but goes so far as to re-present the cypherform of reality as codified by the gods in their

communication with humanity, which is through Nature (*ntr*). Therefore the signs, or symbols, are referents to both natural phenomena and the “abstract” (absolute, truly real) ideal state of which the phenomenon represents but one conditional state in the grand unified system of the correlative natural processes of manifestation.

6 The use, value, and methodology of *mdu* is like unto the use of Greek characters in the notation of the science of General Relativity or the International System of Units for the metric system. The key difference however, is that its signs are not contrived by consenting human applications of meaning to arbitrary forms, but are correlated according to their place in the objective natural world as defined by the gods (abstract attributes) of nature (*ntru*). These signs were used by the Khmtu for the inherent connection which they evoked in the subconscious mind of the student, which upon productive meditation would align themselves in the Grand Syllological System of their significance.

7 In true language, which is pure waveform vibration as effected by the intention of its cause, i.e., mind, and increased by frequency (energy) to simulate reality (particle), there are **three parts of speech**:

7.1 the Nu, Nun, Nous, or Noun, which acts, is subject.

7.2 the R', Re, Ra, Vibe-Ra-tion, Re-verb-eration, or Verb, which is the action, whose form simulates, implies, images, or imagines, the object, which is the double or “*ka*” of the subject.

7.3 the attribute of the Noun (adjective) or the object; the substance, condition, or intention of the act or noun; *ntru*.

8 The units of this language system are of two types:

8.1 Consonants are constricted sonar waves in which the

breath is obstructed. Therefore these are forms of generative speech, likened to the nucleus or contracted state of being, which needs a vowel to form a syllable, or stable unit; the vowel bonds to, or orbits, the constricted nucleus. Speech units, like material units, possess inherent mechanics:

R – centripetal bending force, i.e. $E=MC$. Also, “L” – a line, path, direction; a right angle

N – substance, waves, origination, mass at rest, cause, source

M – magnetism, generation, motion, force in opposition (mass simulation), preposition

W (u)– growth, decay, weak nuclear force, radioactivity

C (Kh) – light in motion, light spectrum through prism

K – to raise up, to gather, to receive, too transmit, or otherwise do (with hands)

S – (1) binding force, strong nuclear force, to be made or caused to happen; (2) to have two poles, a sine-wave

F – force transmission, rate of change

T – an intersection of forces; a plane, field, axis

B – a location within a field; to make a place; to go from place to place

H – the enclosure or establishment of a field

P – point, particle, space, intersection on a field

v – principle of avoidance of perceptibility of motion

D – to give, to exchange

Dj – balance, stability, the establishment of a magnetic field; membrane, word, the enclosure of thought.

8.2 Vowels are vocal sonar vibrations in which the wave is emitted freely and unconstricted, i.e., without friction. Therefore these are forms of discharging speech, which orbit constricted speech units to form stable syllables.

I – to be charged, to exist between magnetic poles

E – to move between magnetic poles, pressure zones

A – to be charged to a high pressure zone

O – to be charged to a low pressure zone

Æ/Y – to be charged to a mean or stable pressure zone

ELECTRICITY 101

Section § 1 Introduction

Subsection § 1 The Importance of Electricity

1 Electricity is all around us – in our houses, in our nervous system, in the rays of the sunlight – pretty much everything that exists, down to the atom, has electricity. This is because electricity and magnetism are the very forces holding matter together.

2 The sun keeps the worlds in orbit with magnetism and discharges electricity in the form of life-force (“light”), even as the atom's nucleus keeps the electrical etheric body [electron cloud] in orbit while discharging mass and energy.

3 Electromagnetism is the unified force responsible for the generation, radiation, and discharge of all bodies in Nature. Hence, it is the very force of creation, i.e. “God” itself: Nature, *Neter / NTRU*.

4 The atom is a electromagnetic body; hence, all bodies are fundamentally electromagnetic and conform to the Natural Laws of electrical generation and magnetic fields [N.S.C. MAAT].

Subsection § 2 Early History

1 Electricity was never discovered by Humanity. Electricity is a proto-rational element of Nature, signified in the Western Mystery Tradition as the fifth element of Ether [Space, Magnetism, and Electricity] in the elemental series, earth (wood), water, air (metal), and fire.

2 Electricity was studied by Indigenous homo-sapien Humanity living across the earth's landmasses, and concentrated in the Upper Hapi (Nile) Valley Civilization of the Dual Nation State of Napata-Kush “Upper Kemet” and the Delta-Mediterranean “Lower Kemet” during the Pre-Dynastic Period of World History.

3 The Kemet Nation-State colonized the northern territories of Kanana (Canaan) and Mycenaean Greece, and its international University Temple System initiated probationers into the “Mysteries” of Electromagnetism, as passed down to the Renaissance-era Masonic Alchemists from Hermes Trismegistus and the Moors of Islam (i.e., the custodians of “greek philosophy”).

4 The Science was conducted in the oral *griot* tradition during the Pre-Dynastic Era, and synthesized in the *medu-neter* language of Kemet at the unification of the High Lands of Ethiopia and the Sudan and the vulnerable Low Lands by *Pr Ah* Menes in 3100 BC. Both of these pedagogies were and are governed by the Natural Office of Tehuti, and the true Science is Maat.

5 The Western Tradition as perpetuated by the Ancient Greeks during their sack and pillage of the Library of Alexandria, inherited by Islam, and recovered by the Renaissance Masons of Europe, has progressively

succeeded in stripping “Mystery” from Electromagnetic Science and giving that “Mystery” wholly to super- or anti-natural deification (Atenist-abrahamic religion), leaving Nature itself in a purely materialistic position. In truth, neither Nature nor Human Spirit should be divorced from the study of *the Forces Animating and Governing Nature*. Hence the need for this disciplinary Revision.

6 “They Say That” Benjamin Franklin identified two types of electricity as *positive* and *negative* in the mid 1700s. We will see how this statement is fallacious in the study of Nature itself.

Subsection § 3 What is Electricity?

1 Electricity is the method (i.e., Tao) by which Nature differentiates and integrates matter by increasing degrees of energy (expressed in terms of “string,” “sine wave,” and “form”), and thereby gives growth to mass.

2 We will learn that the substance of the atom, and hence all matter, is a uniform substance differing from itself only in polarity and relativity (size, degree, quality), which substance, in an unconditioned [“inert”] state, is called **black body radiation**: “Chaos”, *Nun* / *NN* [N.S.C. 5 § 5].

3 Electricity is the state of being in which the substance of black body “inertia” *N* assumes the properties which are caused by the presence of a magnetic field *M*. Upon contact with a magnetic field, a black body of zero-mass *N* bends into mass of $n1-n103$, like a length of string being tied into a knot, or a wave vibrating into increasing degrees of frequency.

4 Electricity is the force R which bends the inert plane into motion by transmitting etheric mass-substance N along the trajectory prescribed by the polarity of the present magnetic field M . The rate F of the generation or radiation of mass-substance is the energy of the mass.

5 The force of Electricity conducts specific quantities of black mass-substance toward and away from pressure centers as prescribed by the acting magnetic field.

6 *The Elementary Units of the Atomic and Subatomic Mass “Particles” which Constitute Matter* are accepted names for the approximate standard quantities of black mass-substance operating in magnetic polarity [Force-in-Opposition] according to their density and orientation within the magnetic field.

WORKBOOK: INTRUCTIONS FOR MAKING THE AXIS OF THE FIELD & FOR PLOTTING THE LINE

1 To begin the work of visualizing the operation of electromagnetism in any body, you must first visualize an inert plane, **field H** . A field is the area, or space, occupied by the procession of an **axis T** .

2 Visualize a blank space. To make an axis, define an object reference **point** [1]. Now define a subject reference point [2]. These 2 points, of one dimension each, possess a **line** segment of one dimension representing a sequence of $N = 2$ real numbers. The one-dimensional line [2]:[1] is the **square** of point[1] and point[2].

3 A sequence of N real numbers can be understood as a set of coordinates in N -dimensional space. When $N = 2$, the set of all such locations is called two-dimensional

space. Hence, the square of the line [2]:[1] creates a two-dimensional space of one right angle (90°) of a field.

4 Two-dimensional space is a geometric model of the planar projection of the physical universe. The two dimensions are commonly called length [x] and width [y]. Both directions lie in the same plane, but operate at 90° to one another.

5 Determine the length of the distance between $N = [2]:[1]$. Multiply or divide that distance by $N = 2$ and then square the result to produce a field. The resulting field will possess a natural **mean** point, or center, which you may identify as the origin of your axis.

6 The field described above is a uniform pattern (latin: *pater*) which occupies the zero-point of the state of a substance's magnetic motion (latin: *mater*). Such a pattern is a blueprint (*syllabus*) for the future path of electric motion through the magnetic field.

WORKBOOK: INSTRUCTIONS FOR KNOWING BASIC STRING THEORY

1 “String Theory” is a scientific pun on the Science of Musical Harmony and Harmonic Invariance, i.e., the harmony of the spheres. The **sphere**, or circle, is the mathematical representation of one whole as plotted on an axis.

2 A geometric line, or “**string**,” is identical to a circle, where one half the string equals 180° . When 180° of a whole bears the ratio 1:2 then that ratio is one **octave**. Any and every true whole is made up of a double-octave **cycle**.

3 To “pull” a string applies pressure in the form of distance moved from rest [inertia]. This is an act of moving the string 90°. Releasing the pressure will cause the string to vibrate based on the bending force of momentum applied by the distance.

4 The force of pressure increases the distance, or volume of space, at which the string will vibrate by powers of 2. Therefore the 90° pressurizing force causes a subsequent 90° discharging force to act; and this total 180° force effects a subsequent 180° return to the point of origin [toward the state of rest increased by the power of applied force].

Section § 2 Structure of Matter

Subsection § 1 What is Matter?

1 Matter is anything which has mass. Mass is equivalent to the quantity of black mass-substance N under magnetic pressure N which is being conducted through a reciprocal [cyclic] magnetic field.

2 Mass = quantity N under N degrees of magnetic pressure $R = NN$ (the square of N) = M . In other words, N is the line and M is the square. The equation $NN=M$ accounts for the squaring force of R upon substance quantity N .

3 $MN = NNN$ (the cube of N). The reciprocation of force R per N causes MN it to occupy space HT , where H = the boundary or enclosure of M square ; and T = the axis.

4 Mass under pressure may be expressed in seven progressive states according to the strength of the bending force of the magnetic field.

4.1 The First State is the stable magnetic field of the blackbody substance itself: Mass at Rest (at Peace, i.e., “inertia”). Also called the body and mind of *AMN*.

4.2 The Second State is the kinetic waveform transmission of mass-substance through the magnetic field, i.e., Electricity.

4.3 The Third State is the volume and length of space-time occupied by the interaction, or simply Space, or Ether being inclusive of the previous two states.

4.4 The Fourth State is the generation of being, or existence, which is radiated from the geometric center of the site of the magnetic interaction: Light. This is also the State in which the electromagnetic interaction may be identified by quantum-mass particle-wave units, namely Photons. These wave units compound their mass into quantities called Quarks, which further compound into quantities called “protons” and “electrons,” which further compound into “atoms,” at which State the Mass Numbers of the Elements begin.

4.5 The Fifth State is the solvent, or Gaseous state, of atoms.

4.6 The Sixth State is the coagulate, or Liquid state of atoms. This is the technical State of the form of matter known as Fire, which is the combustion of liquid $n1$ [Hydrogen].

4.7 The Seventh State is the compact, or Solid state of atoms.

Subsection § 2 The Elements

1 The cube of N degrees of pressure will result in a mass-integer number MN (where N is increased by magnetic force) in a series where n_0 =blackbody radiation. Each full integer step is called an Element.

2 The Elementary Units of magnetically polarized black mass-substance [The Elements] make up all matter in the Third-Density Field [2-dimensional space x, y + width-bearing z -axis]. The Elements are identified by the procession of their Mass-integer Numbers MN .

Table 1. Atomic Mass-integer Number [AMN or simply N] [Integer Number] Accepted Name. Accepted Symbols shall be ignored in favor of their Mass Number. [Ratios follow which are related to later Lessons. Please ignore them at this time.]

N 1 HYDROGEN:	1:1
N 2 HELIUM:	1:2 INERT
N 3 LITHIUM:	1:2 :: 2:1
N 4 BERYLLIUM:	1:2 :: 2:2
N 5 BORON:	1:2 :: 2:3
N 6 CARBON:	1:2 :: 2:4
N 7 NITROGEN:	1:2 :: 2:5
N 8 OXYGEN:	1:2 :: 2:6
N 9 FLUORINE:	1:2 :: 2:7
N 10 NEON:	1:2 :: 2:8 INERT
N 11 SODIUM:	1:2 :: 2:8 :: 3:1
N 12 MAGNESIUM:	1:2 :: 2:8 :: 3:2
N 13 ALUMINUM:	1:2 :: 2:8 :: 3:3

N 14 SILICON: 1:2 :: 2:8 :: 3:4
 N 15 PHOSPHORUS: 1:2 :: 2:8 :: 3:5
 N 16 SULFUR: 1:2 :: 2:8 :: 3:6
 N 17 CHLORINE: 1:2 :: 2:8 :: 3:7
 N 18 ARGON: 1:2 :: 2:8 :: 3:8 INERT
 N 19 POTASSIUM: 1:2 :: 2:8 :: 3:8 :: 4:1
 N 20 CALCIUM: 1:2 :: 2:8 :: 3:8 :: 4:2
 N 21 SCANDIUM: 1:2 :: 2:8 :: 3:9 :: 4:2
 N 22 TITANIUM: 1:2 :: 2:8 :: 3:10 :: 4:2
 N 23 VANADIUM: 1:2 :: 2:8 :: 3:11 :: 4:2
 N 24 CHROMIUM: 1:2 :: 2:8 :: 3:13 :: 4:1
 N 25 MANGANESE: 1:2 :: 2:8 :: 3:13 :: 4:2
 N 26 IRON: 1:2 :: 2:8 :: 3:14 :: 4:2
 N 27 COBALT: 1:2 :: 2:8 :: 3:15 :: 4:2
 N 28 NICKEL: 1:2 :: 2:8 :: 3:16 :: 4:2
 N 29 COPPER: 1:2 :: 2:8 :: 3:18 :: 4:1
 N 30 ZINC: 1:2 :: 2:8 :: 3:18 :: 4:2
 N 31 GALLIUM: 1:2 :: 2:8 :: 3:18 :: 4:3
 N 32 GERMANIUM: 1:2 :: 2:8 :: 3:18 :: 4:4
 N 33 ARSENIC: 1:2 :: 2:8 :: 3:18 :: 4:5
 N 34 SELENIUM: 1:2 :: 2:8 :: 3:18 :: 4:6
 N 35 BROMINE: 1:2 :: 2:8 :: 3:18 :: 4:7
 N 36 KRYPTON: 1:2 :: 2:8 :: 3:18 :: 4:8 INERT
 N 37 RUBIDIUM: 1:2 :: 2:8 :: 3:18 :: 4:8 :: 5:1
 N 38 STRONTIUM: 1:2 :: 2:8 :: 3:18 :: 4:8 :: 5:2
 N 39 YTTRIUM: 1:2 :: 2:8 :: 3:18 :: 4:9 :: 5:2
 N 40 ZIRCONIUM: 1:2 :: 2:8 :: 3:18 :: 4:10 :: 5:2
 N 41 NIOBIUM: 1:2 :: 2:8 :: 3:18 :: 4:12 :: 5:1
 N 42 MOLYBDEN.: 1:2 :: 2:8 :: 3:18 :: 4:13 :: 5:1
 N 43 TECHNETI.: 1:2 :: 2:8 :: 3:18 :: 4:14 :: 5:1
 N 44 RUTHENIUM: 1:2 :: 2:8 :: 3:18 :: 4:15 :: 5:1
 N 45 RHODIUM: 1:2 :: 2:8 :: 3:18 :: 4:16 :: 5:1
 N 46 PALLADIUM: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:0
 N 47 SILVER: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:1
 N 48 CADMIUM: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:2

N 49 INDIUM: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:3
 N 50 TIN: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:4
 N 51 ANTIMONY: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:5
 N 52 TELLURIUM: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:6
 N 53 IODINE: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:7
 N 54 XENON: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:8

INERT

N 55 CESIUM: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:8 :: 6:1
 N 56 BARIUM: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:8 :: 6:2
 N 57 LANTHAN.: 1:2 :: 2:8 :: 3:18 :: 4:18 :: 5:9 :: 6:2
 N 58 CERIUM: 1:2 :: 2:8 :: 3:18 :: 4:19 :: 5:9 :: 6:2
 N 59 PRASEODY.: 1:2 :: 2:8 :: 3:19 :: 4:20 :: 5:9 :: 6:2
 N 60 NEODYMIUM: 1:2 :: 2:8 :: 3:19 :: 4:21 :: 5:9 :: 6:2
 N 61 PROMETHI.: 1:2 :: 2:8 :: 3:18 :: 4:22 :: 5:9 :: 6:2
 N 62 SAMARIUM: 1:2 :: 2:8 :: 3:18 :: 4:23 :: 5:9 :: 6:2
 N 63 EUROPIUM: 1:2 :: 2:8 :: 3:18 :: 4:24 :: 5:9 :: 6:2
 N 64 GADOLINI.: 1:2 :: 2:8 :: 3:18 :: 4:25 :: 5:9 :: 6:2
 N 65 TERBIUM: 1:2 :: 2:8 :: 3:18 :: 4:26 :: 5:9 :: 6:2
 N 66 DYSPROSI.: 1:2 :: 2:8 :: 3:18 :: 4:27 :: 5:9 :: 6:2
 N 67 HOLMIUM: 1:2 :: 2:8 :: 3:18 :: 4:28 :: 5:9 :: 6:2
 N 68 ERBIUM: 1:2 :: 2:8 :: 3:18 :: 4:29 :: 5:9 :: 6:2
 N 69 THULIUM: 1:2 :: 2:8 :: 3:18 :: 4:30 :: 5:9 :: 6:2
 N 70 YTTERBIUM: 1:2 :: 2:8 :: 3:18 :: 4:31 :: 5:9 :: 6:2
 N 71 LUTETIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:9 :: 6:2
 N 72 HAFNIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:10 :: 6:2
 N 73 TANTALUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:11 :: 6:2
 N 74 TUNGSEN: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:12 :: 6:2
 N 75 RHENIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:13 :: 6:2
 N 76 OSMIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:14 :: 6:2
 N 77 IRIDIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:15 :: 6:2
 N 78 PLATINUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:16 :: 6:2
 N 79 GOLD: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:1
 N 80 MERCURY: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:2
 N 81 THALLIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:3
 N 82 LEAD: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:4

N 83 BISMUTH:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:5
N 84 POLONIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:6
N 85 ASTATINE:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:7
N 86 RADON:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:8
	INERT
N 87 FRANCIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:8 :: 7:1
N 88 RADIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:8 :: 7:2
N 89 ACTINIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:18 :: 6:9 :: 7:2
N 90 THORIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:19 :: 6:9 :: 7:2
N 91 PROTACTINIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:20 :: 6:9 :: 7:2
N 92 URANIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:21 :: 6:9 :: 7:2
	~~ARTIFICIAL~~
N 93 NEPTUNIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:22 :: 6:9 :: 7:2
N 94 PLUTONIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:23 :: 6:9 :: 7:2
N 95 AMERICIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:24 :: 6:9 :: 7:2
N 96 CURIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:25 :: 6:9 :: 7:2
N 97 BERKELIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:26 :: 6:9 :: 7:2
N 98 CALIFORN.:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:27 :: 6:9 :: 7:2
N 99 EINSTEIN.:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:28 :: 6:9 :: 7:2
N 100 FERMIUM:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:29 :: 6:9 :: 7:2
N 101 MENDELEV.:	1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:30 :: 6:9

:: 7:2

N 102 NOBELIUM: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:31 :: 6:9
 :: 7:2

N 103 LAWRENC.: 1:2 :: 2:8 :: 3:18 :: 4:32 :: 5:32 :: 6:9
 :: 7:2

Subsection § 3 The Compound

1 The Elementary Units of Black Mass, Substance Quantity Numbers 1-103, may be combined to create unique units, or **compounds**, which often possess substantive properties differing in expression from those of their constituent units.

Subsection § 4 The Molecule

1 The **molecule** is the smallest unique unit that a compound can be reduced to before it breaks down into its constituent elementary units. In other words, the molecule is the smallest integer ratio describing a unique combination of elementary mass units.

Subsection § 5 The Atom

1 The **atom** is the accepted name for any Elementary Unit of Mass *N*. In the *Kmtu*, the term “atom,” called *ATM*, is the final creation of the world, which is to mean that it is the first whole unit of which perceivable matter (“the world”) is made [N.S.C. 6 § 1.14].

2 In the *Kmtu*, conditional/conditioning forces of Nature [the *NTRU*] comprise what we may call the progressive spectrum of waveform expression along the electromagnetic cycle, while *ATM* in particular defines

one whole complete cycle of the electromagnetic forces of the *NTRU* proceeding from *AMN*. A cycle is considered whole only when one octave of positive force reciprocates its energy-substance through the equal but inverse return of a second octave. The stability of this cycle is called the “particle” state because its two equitempered halves form a perfect sphere when integrated.

3 *ATM* is the “atomic mass” of *N* where *T* equals the force-in-opposition-factor of blackbody substance *N* under magnetic pressure *M*. Force-in-opposition *T* defines the magnetic field *M* as the product of two octaves moving alternatively 180° away from and 180° toward a point of unity at a harmonic mean.

4 The following equations suffice:

$$MN=T.$$

$$AMN=AT.$$

$$ATM/NN=NT.$$

$$AMN(NT)=TNN$$

Section § 3 Atomic Theory

Subsection § 1 The Structure of the Atom

1 This section will introduce, in more detailed terminology, the Ancestral MAAT model of Atomic structure. The difference between the models of the West and the Ancestors is that the West relies upon the ability to detect manifest [empirical] quantities of black mass-substance as unique “particles”, whereas the Ancestors understood that the progression of mass substance along a spectrum from “dark” [*n0*] to “light” [*n103*] defines the elementary composition of Nature.

2 The term “Particle” implies something which is elementary and generally immovable. However, we have read that black mass exists in stable quantities of N according to the state of its magnetic field M , and the parameters of movability [motion] which are determined by M are expressed in waveform. Semantically, in our case, a **particle** is a temporal expression of a waveform. As such, it is misleading to consider atoms as being comprised of particles. An atom is a particle expression of varying stability, comprised of the dipole waveform transmission of mass quantity N .

3 We will learn that the stability of an atom depends upon the balance and distribution of mass quantity N within the magnetic field [that is, along the pathway, i.e., operation in the direction of motion].

Subsection § 2 The Nucleus

1 In the Western Tradition, the **nucleus** is the central part of the atom, comprised of the so-called particles of magnetically-positive **protons** and magnetically-neutral **neutrons**.

2 In fact, the nucleus is the central part of the atom, and is also called the **heart**, S . It is the mathematical mean between the positive magnetic pole of the atom, and the negative magnetic pole of the atom. We will learn how the zero-point of contraction of substance N at point S on magnetic field M generates the atomic mass expression ATM , where variable A is the kinetic factor of R giving particle expression T to waveform function MN .

3 An atom is formed when blackbody substance N , which

has been moved from inertia [$n0$] into motion [$n1-103$], bends along the trajectory MR defined by a magnetic field M of N degrees of pressure R , and returns to its point of origin in a balanced and sustainable cycle.

4 The force which moves the blackbody substance AMN from rest [inertia] into motion [energy] is known to the Ancestors as force R or Ra or Re . This force is described as the “Bending Force” in the *MAAT New Syllabus Law Code* because it bends the blackbody substance N along the trajectory defined by the magnetic field SM . [N.S.C. 5 § 42-43]

5 R is the force which bends the substance N at 90° intervals relative to the mean point S between the two poles of N . The act of R upon any field M results in the square growth from reference-point to line, i.e., a transmission of current A , and the projected path, or trajectory, of A .

6 The natural limit to the number of paths which R may follow relative to S is 2. Because R must also reciprocate any force with an opposite force in order to maintain the unity of medium N , then the 2-fold path must by nature compel 2 inverse return-paths. Therefore, the natural limit to the total number of turns, or changes, of a single force R is 4.

7 The motion of force R is toroidal, where the heart is always located at the zero-point axis $N = 0$, and the poles lie equidistant from the heart to the North and South at NT degrees of magnetic field M , where T is the factor of the mass of the atom ATM [N.S.C. 5 § 27-28].

8 An atom exists as a unit by direct effect of sustained

motion [caused by bending force R] acting on a uniform substance which tends energetically toward inertia (i.e., rest). Therefore, such a unit is not immovable or fundamentally stable as the term particle would suggest. Its form and density **changes**, following the curvature of a wave over time. Therefore, from a single vantage in time, one cycle of such a motion appears as an orbit, or a sphere.

WORKBOOK: INSTRUCTIONS FOR MAKING THE SPHERE ON AN AXIS

1 Given a true-square (right) axis of four equal quarters, you can make a sphere by plotting every point which lies to a given radius rN away from origin point N . This image is called a rosy-cross, a sephirot, a cypherform, or a spherograph. Its geometry produces all numerical procession, and hence creation.

Subsection § 3 The Proton

1 The number of protons identifies the mass-number quantity-per-unit T of blackbody substance N which passes from the positive pole of the atom to the center of the atom along the trajectory of the magnetic field.

2 The positive magnetic state of substance N generates and anchors the total mass AMN of the atom. This is why the positive pole of the atom is found moving from North to the center along an axis, which appears spherographically as the contraction of the sphere's volume toward the heart.

3 Western science estimates the so-called proton particle to be 0.07 trillionths of an inch in diameter. The proton is

purportedly one-third size smaller than the so-called electron particle, yet possesses 1840 times the mass of the electron, making it that much denser (i.e., heavier).

4 The comparative density of the proton compared to that of the electron is explained by the positive magnetic state of the proton.

WORKBOOK: INSTRUCTIONS FOR MAKING AN AXIS TO PLOT THE FOLLOWING

1 Due to the inherent motion of the atom, the blackbody substance MN passes through the positive pole of the magnetic field, or, makes an arc in one quadrant of a field. The North-Center motion contracts the “inert” substance N into the measurable state of quantity AMN .

2 The act of contraction of the AMN quantity within the heart ST correlates to an increase in density which increases energetic frequency under pressure and gives **weight** to the expression of the waveform [called “particle” proton].

3 The weight correlates to the quantity $AMNT$, i.e., the degrees of magnetic pressure traversed by the arc. The substance is maximally contracted in the heart, i.e., the center of the axis-field; therefore the mass of the atom is found in the center, and is determined by the “number N of protons.”

4 Due to the generative, contractive nature of blackbody substance in this state, it is said to have a positive electrical charge.

5 The lines of force SR of the positive electrical charge

extend straight out from the heart in all directions, causing the **centrifugal force** and the radiation of light matter.

6 That which the West calls the positive system “particle” proton, the Ancestors call the force B or Ba .

7 B is the “preponderantly charging [revolving], contracting, decreasing volume, increasing potential, increasing density, integrating [attracting], generating, heating” state of the force R . [N.S.C. 4 § 9.WR9]

8 Given the magnetic field M of N , the space-time site of B [the volume-expression of substance N in the contracted state of the positive electrostatic charge] is G . The equation is expressed as GB .

Subsection § 4 The Electron

1 The number of electrons identifies the mass-number quantity-per-unit T of blackbody substance N which passes from the center of the atom to the negative pole of the atom along the trajectory of the magnetic field.

2 The negative magnetic state of substance N radiates the mass of the heart S 90° away from B . This discharging motion away from S ultimately reciprocates the total mass AMN of the atom back toward the positive pole along a trajectory moving inversely, or 180° away from, the direction of positive motion. This is why the negative pole of the atom is found moving from the center to the South along an axis, which appears sphero-graphically as the expansion of the sphere's volume away from the heart.

1 WORKBOOK INSTRUCTION: The spherographic imagery illustrates that given a standard orientation of

quarters/axes in a field, a motion in one direction will reflect an equal but inverse motion in the opposing quarter/axis.

2 WORKBOOK INSTRUCTION: Given the complementary reflection of the electromagnetic force moving in opposition between any two opposite sides of a field, and given that there be no resistance, we can expect for a system which has achieved such a state to continue its motion on the force of its own momentum.

3 Western science estimates the so-called particle electron to be three times larger than the proton, at 0.22 trillionths of an inch, but 1840 less dense than the proton. This means that if an atom cost \$1,840, then an electron would cost \$1. Logic invites you to consider simply saving 1,840 one-dollar bills and then putting them into your bank account. If you did that then you could charge one atom to your account!

4 Ultimately, there are no electrons, nor are there any protons. There is only one substance (uniform, non-perceivable substance, to be sure) pressurized by the force of magnetism MR to express a value of N mass.

5 The comparative lightness of the electron compared to the density of the proton is explained by the negative magnetic state of the electron field.

6 While the positive field flows from North to the heart and contracts, the negative field [called “the electron cloud”] expands from the center, out through the South pole, and around the heart. Hence, the negative field encloses the area of volume created by the contraction of mass-substance toward the mean of two poles.

7 The principle of **Reciprocity** is the principle of reflection, doubles, squares, means, and/or, simply, Harmony. It states that the arc traversed by *AMN-R* in any quarter of a spherograph is reciprocated, or inversely-oriented, in the opposing quarter. Hence, the quantity of and degree to which mass is contracted corresponds to the area of volume occupied by the body's negative discharge.

8 Reciprocity states that although the North and South [the positive and the negative magnetic states of the one substance] are two, they are united in the Middle [the contract of the heart, i.e., love], and they will alternate the transmission of current in harmonic cycles. Hence, the negative field [perimeter] of the sphere expresses the form, or material substance, of the *ATM*, while the positive field [center, core, heart] of the sphere expresses the weight, or mean, of the *ATM*.

9 Due to the radiating, discharging nature of blackbody substance in the state of expansion, it is said to have a negative electrical charge.

10 The lines of force *R* of the negative electrical charge condense straight into the atom from all directions, causing the **centripetal force**.

11 That which the West calls the negative system particle “electron”, the Ancestors call the force *K* or *Ka*.

12 *K* is the “preponderantly discharging [rotating], expanding, increasing volume, decreasing density, decreasing potential, disintegrating [repelling], radiating, cooling” state of the force *R*. [N.S.C. 4 § 9.WR10]

13 Given the magnetic field M of N , the space-time site K of N in the state of negative electrostatic charge is T . The equation is expressed as NT . T is the particle-expression of the wave-function N enclosing magnetic site GB . In other words, the volume of NT is proportionally greater than but concentric to GB . It therefore follows that $NT/GB=K$.

14 K is also called the maximal expansion [growth UU] of the heart S where the zero-point/mean of MN equals A over a period of one electromagnetic cycle R . The equation is expressed as $K=UUSAR$.

15 Comparisons between the Ka and the Ba will illuminate why things are colder on the outside than they are on the inside, why a combusting sea of hydrogen would pull to its shores stardust and debris, and why the Ancestors weighed the heart of the Deceased against the Ka and Ba in the Tuat at Judgement.

WORKBOOK: INSTRUCTIONS FOR WEIGHTS AND MEASURES

1 *The following sample of weights and measures has been formulated by Modimoncho, Griot in the Clan of Bakhatla, Tribe of Batswana, in his Blackroots Science, Chapter 6.*

2 Physics and Astronomy are the same science, based on the same model (orbital discharge of ion-cloud surrounding positive nucleus) and proportions; only their scales are different. An atom is a microcosmic solar system. An electron is microcosmic planet. A nucleus is a microcosmic star/sun. A neutron/proton represents the polarity of the positively charged center-star along its surface area.

3 Notation: (D)=diameter [Note: an average size for atoms, planets, and suns are used. The difference in atom size across atomic weight is proportionately analogous to distance between planets across the solar system. The ratios between system components remain Invariant regardless of size. N.S.C. 3 § 5]

4 Note: these formulae were written by an Afrakan High Adept, the *Griot* himself. Therefore, it is advised to the student that in order to fully comprehend these calculations, s/he must consciously strive to apprehend the wisdom of the Afrakan School of Thought, and if that wisdom is not fully understood, then these equations will appear unintelligible. Please refer to *Blackroots Science* for fuller explanation.

(D) Solar System = $7900 \cdot 10^6$ miles

(D) Earth = 7900 miles

(D) Solar is larger than (D) Earth by a factor of 1 million.

Ergo \therefore by analogy, an atom is larger than an electron by a factor of 1 million.

(D) Atom = $0.25 \cdot 10^{-6}$ (quarter millionth) inch.

(D) electron = $0.25 \cdot 10^{-12}$ (quarter trillionth) inch.

Distance between two stars = $\sim 32 \cdot 10^{12}$

Therefore, distance between two solar systems

$(32 \cdot 10^{12}) / (7.9 \cdot 10^6) = 4000 =$ Proportion of separation between two solar systems/atoms, ergo \therefore

$(0.25 \cdot 10^{-6}) \cdot 4000 = 10^{-3}$ inch = space of distance separating atoms from one another. 10^{-3} inch = $16 \cdot 10^{-9}$ miles. An atom is 4000x smaller than the volume of the space surrounding it.

n atoms in earth = n stars in universe

Volume of Earth = $(7900)^3 = 0.5 \cdot 10^{12}$

Volume of Space separating one atom from another = $(1/6$

$\pi) l^*w^*h = (16*10^{-9})^3 = 4*10^{-24}$
 n atoms in earth = $(0.5*10^{12})/(4*10^{-24}) = 125*10^{33}$
= n stars in universe.

Section § 4 Electrical Charges

Subsection § 1 The Law of Electrical Charges

1 The force of motion conducting substance N through the north pole toward the center [i.e., the “positive charge” of the atom] is equal but opposite to the force of motion conducting substance N through the south pole around the perimeter [i.e., the “negative charge” of the atom].
[N.S.C. 4 § 9.WR6]

2 These two forces of the north and south operate in opposition [in opposite directions, at 180°], yet they harmonize as one force in the mass-expression ATM at the zero-point of the nuclear heart. Otherwise said: the point of the harmonization of two equal but opposite forces lies at the mean point between them.

3 The charge of the north and south poles are called, respectively, the positive electrostatic charge and the negative electrostatic charge. **Electrostatic** means that the magnetic polarity of the respective poles do not change. The direction of motion from North to Center is always positive [i.e., generative], and the direction of motion from South to Perimeter is always negative [i.e., radiative].

4 The positive electrostatic charge MN produces the centrifugal electrostatic field. This means that a

positively-charged substance which makes contact with this magnetic field will be repelled away from the magnetic field.

5 The negative electrostatic charge produces the centripetal electrostatic field. This means that a negatively-charged substance which makes contact with this magnetic field will be contracted into the heart.

6 The Western Tradition says that like charges repel each other and unlike charges attract each other. This is true only in the sense that two atomic nuclei are highly unlikely to interact without the aid of pressure, while the electrical discharge of those nuclei is highly likely to be conducted between the magnetic fields of the two atoms depending on their respective stability.

Subsection § 2 Atomic Charges

1 Above we learned how the degree to which an atom will interact with another atom depends on its stability. If an atom is stable then it will not seek to engage in the transmission of its energetic mass [free electron transfer]. If an atom is unstable, it will incline to engage in the transmission of its energetic mass.

2 The factor which determines whether an atom is stable or not is the ratio of radiation to generation, or, the quantity of substance bearing a positive charge versus the quantity of substance bearing a negative charge.

3 The stability of an atom determines whether it will express a magnetically negative or magnetically positive charge [state of being]. If an atom is stable, then it bears a neutral state of being; i.e., a stable atom expresses the

same quantity of negative charge as it does positive charge, and the two charges are thus brought to rest.

4 Let us recall that an atom is actually made of blackbody substance quantity N under magnetic pressure M , and not “protons” and “electrons.” As such, the substance N expresses both the contractive-positive and the expansive-negative state alternatively, depending on its orientation relative to the heart of the atom's magnetic field. The gross quantity of substance N does not, of its own will, change within the electromagnetic parameters of a given *ATM*.

5 An atom *ATM* always bears a gross mass proportional to N , and if N is expressed in alternative positive and negative states as equal, harmonic intervals, then the atom will express a net charge in the neutral state. In other words, if the ratio of positive-to-negative expression is equal, then the *ATM* is at rest [at peace].

6 What does change the expression of the atom *ATM* from net-neutral to net-positive or net-negative is an imbalance in the ratio of the positive-to-negative expression of substance quantity N .

7 The force R of magnetic parameter M which is responsible for pressurizing substance quantity N operates with a certain degree of natural leeway proportional to M . This leeway allows the respective positive and negative forces of the atom to trade priority over the expression of the magnetic field of *ATM*.

8 Given the above statement, if the force of an atom's negative charge is greater than its positive charge, then it will express a net-negative charge. Inversely, if the force

of an atom's positive charge is greater than its negative charge, then it will express a net-negative charge.

9 An **ion** is an atom bearing either a net-positive or net-negative charge. The transmission of energy within any system demands that the atomic units thereof be ionized. Stable atoms do not seek to engage in the transfer of free electrons [energy]. Only atoms in an unbalanced magnetic state are inclined to participate in the reciprocal exchange of energy within a system. For this reason, blackbody substance where $N = 0$ is inclined to rest in the inert state unless a tangential force R compels it to motion.

10 A **vibration** is a vibrant ion, i.e., an atom ATM bearing a positive or negative charge, hence either generating, degenerating, or stabilizing mass according to the curvature of a double-octave wave function i.e. sphere.

WORKBOOK: INSTRUCTIONS FOR UNDERSTANDING NATURAL ECONOMY

1 Nature operates in a similar manner to a traditional Western economy. The “god particle” or “god **principle**” is the principle, constant, or source, of all value circulating within the economic system.

2 The god principle of Nature is the blackbody substance AMN , or simply N . The magnetic field M of a blackbody will **charge** the principle N to the axis TM , effecting the transfer of value from AMN to ATM . Where the value N is in a state of transmission, the value MN is the **capital**. As per Marxist Economic Theory, capital is [mass] value that grows as a result of the process of circulation [i.e., the act of transmission through a magnetic field].

3 The magnetic capital “funds” the generation of the **gross** atomic mass *ATM* from the principle *AMN*.

4 The positive charge of the atom is the “gain” of mass, and the negative charge of the atom is the “loss” of mass. When the loss and gain are equal, then the principle value accrues no energetic interest and remains stable.

5 The **net** mass value of *ATM* is its gross mass after it has charged or been charged by all relative bodies.

6 The loss of an atom may appear greater than its gain because the force of its magnetic field inclines toward expansion. In this case, the principle value of the atom accrues a debt to any relative mass in a state of gain. Hence, the atom nets a negative charge.

7 The gain of an atom may appear greater than its loss because the force of its magnetic field inclines toward contraction. In this case, the principle value of the atom accrues credit which it may then charge to any relative mass in a state of loss or gain. Hence, the atom nets a positive charge.

Subsection § 3 Charged Materials

1 The atomic composition of any material will determine whether or not it will be stable, i.e., whether or not it will engage in the interactive exchange of free mass [i.e., the transmission of energy]. If the atoms which make up a material sustain either a loss or gain of mass substance [i.e., loses or gains electrons], then that material will assume either a net-negative or net-positive charge.

2 We have learned that due to a difference in potential

between the positive and negative forces of the atom, the nuclear contractive force S occupies the zero-point of the centripetal magnetic force. This means that mass substance which travels 180° toward and passes through this magnetic heart will not engage in free interaction with other bodies.

3 Inversely, mass substance which is traveling 180° away from and bends around the perimeter of the wave-field generated by the mass of the heart will likely engage in free interaction with other bodies—depending, furthermore, on the potential of the positive pole.

4 Spherographically, the nucleus, or axis-point, of the atomic sphere conducts the atomic mass into the positive center of the centripetal magnetic force. The electron field, or the area of the sphere, radiates the atomic mass centrifugally back toward to the limit [surface, perimeter] of the magnetic force.

5 Mass which lies on the perimeter of the centrifugal force [i.e., electron(s) which lie on the surface] is easily freed from the centripetal force of the atom. Such mass may engage in free interaction [exchange] between relative bodies—but only if the opposing body possess an equal and inverse difference in potential.

6 In the Western tradition, when an instrument measures “more electrons than protons” in an atom [i.e., an ion netting negative charge] it means that the atom is operating at a lower-than-neutral energy state of low-density/ high-volume where the strong force S does not maintain a 2:1 expression of K to B , and is expressing its mass-substance as matter.

7 In the Western tradition, when an instrument measures “more protons than electrons” in an atom, i.e., an ion netting positive charge, it means that the atom is operating at a higher-than-neutral-energy state of high-density/ low-volume and is expressing its mass-substance as power-energy.

8 Ultimately, mass in the positive state of high energy acts as the magnetic heart to any other mass(es) oriented in near relative proximity to it – especially if the relative mass is traveling along a similar trajectory and lies within a similar octave pressure zone.

9 Inversely, mass in the negative state of low energy acts as the material which is attracted and held within the magnetic field of the heart by the relatively-strong centripetal force [called “gravity”] of the total electromagnetic field.

10 Example: the atoms of glass easily give up their perimeter mass [electrons] to silk. If you rub a glass rod with silk, the **friction** of repetitive contactual motion [**rhythm**] will **free** the mass of the glass from their bonds. The atoms of the glass will therefore express a higher rate of energy at a lower rate of volume and the glass material will net a positive charge. The atoms of the silk will accept the mass which has now been freed from the atoms of the glass and the silk material will express a higher rate of material-volume to a lower rate of energy and net a negative charge.

11 Example: a rubber or plastic comb will net a positive charge when it engages in friction with hair because the hair will conduct free mass from the atoms of the comb.

12 Example: a rubber rod will net a negative charge when it engages in friction with fur because the fur will freely conduct its mass to the atoms of the rubber.

13 That which receives the transmission of energy in the form of mass-substance from a body of higher potential is the *Ka*. The *Ka* receives the positive transmission of energy from the *Ba*. The energy-in-transmission *Ra* bends along a trajectory defined by the difference in potential between the engaged bodies [i.e., the terms of the contract]. The energy force *RA* simultaneously effects a complementary force of equal and inverse magnitude operating at 180° to the positive direction of *RA*, creating the oppositional force which unifies two halves of a cycle.

WORKBOOK: INSTRUCTIONS FOR UNDERSTANDING NATURAL ECONOMY (CONT.)

1 Economy exists because a system exists in which bodies of differing potential harmoniously exchange their masses from the positive pole of a “battery” to the negative pole of the “battery”. The **battery** is the system of free mass exchange conducted by the interaction of any number of bodies.

2 In a battery, bodies act just like particle-units of mass substance operating through the magnetic field of an atom. The bodies possess charge depending on their orientation to the heart of the magnetic field.

3 One body can charge any other body if they position themselves in a positive-to-negative spatial orientation relative to the heart, and they conduct the high-potential mass of the positive body to the other. This act is called the **exchange**, and the amount of mass exchanged per

electromagnetic cycle [timeframe] is the **rate F** . The likelihood of exchange is increased by close, rhythmic contact [friction].

Subsection § 4 Charging by Contact

1 An ionized substance [charged material] can charge another substance by making **contact** with it. This contact is a mild form of friction because it involves contact and motion, albeit at a singular rate.

2 For example, a negatively charged rubber rod expresses a higher rate of materiality to energy because it is carrying a higher ratio of mass upon its surface [atomic perimeter]. When that negative rubber rod is brought into contact with a net-neutral copper rod, the copper rod becomes negatively charged and thus also expresses a higher rate of materiality to energy.

3 Inversely, if a positive glass rod is brought into contact with a net-neutral copper rod, then any free mass lying on the surface of the copper atoms would be attracted by higher-energy rate of the glass.

Subsection § 5 Charging by Induction

1 An ionized substance can charge another substance without making direct contact with it. The attraction of negative material-mass to positive mass-energy centers, and the repulsion of positive mass-energy centers from each other, influences how the magnetic field of a charged material will affect the magnetic field of another. This effect is called **induction**, meaning to induce a change of magnetic state without friction.

2 Example: If a negatively-charged rubber rod is brought toward [the magnetic field of] one end of a neutral aluminum rod, without touching the body of the aluminum itself, the rate of positive mass-energy will increase and force the negative surface mass of the aluminum to the opposite end. If the charged rod, however, is removed from the affected field of relativity then the charge of the aluminum rod will redistribute throughout the material until it reaches the neutral resting state.

3 An originally neutral material (such as aluminum) which has been charged by the induction of an ionic material (such as rubber) can remain charged even after the inducing material is removed from relativity by draining the negative surface mass from the negative pole of the material. This is done by making contact with a ground. A **ground** is a conductor of free mass [electrons] through the lowest pressure zone. The finger of your body can act as the ground to a material charged by induction.

Subsection § 6 Neutralizing a Charge

1 Materials which net differing charges possess a correlative degree of **difference of potential**. The act of charging is temporal and conditioned by orientation to the positive energetic pole; and materials only sustain their charge in isolation. Of course, in a system, no material is operating in isolation, and so materials are always charging, discharging, and recharging according to their location along the arc of their electromagnetic wave.

2 When two materials of differing potential [i.e., unlike charges] are brought close to each other, then the negative

mass shared between them will distribute itself evenly between and proportional to the size of the atomic *ATM* units.

3 In other words, a high-potential [pressurized] positive material, when brought into relative contact with a low-potential negative material, and given an optimal trajectory of magnetic conduction, will discharge its accumulated free mass into the negative material until both materials are relatively neutral. The space between the two differing materials is the **gap**. The transmission of free mass [electrons] across the gap and along the optimal magnetic trajectory is called the **arc**. The arc is due to the force of positive-to-negative attraction, i.e., the degree of difference of potential.

Subsection § 7 Attraction and Repulsion

1 The Western tradition says that “like charges repel” and “unlike charges” attract, but our *MAAT* atomic model illuminates how these statements are misconceived. Charges are temporal and conditioned by the position of substance *N* within magnetic field *M*.

2 A proton is simply substance passing through the zero-point *S* of its own electromagnetic field. Hence, the substance in this state [called “proton”] will not seek to engage in contact with another likewise oriented substance, and the centrifugal forces of the two positive substances will repel each other.

3 An electron is simply substance passing around the perimeter generated by the contraction of the magnetic field *MN*. Hence, the substance in this state [called “electron”] can be easily freed from its bond *S*. Such

substance may thence be conducted between bodies according to the strength of relative forces S . Since free mass seeks to engage in the transfer of energy based on orientation to S , it is not magnetically attracted to other negative mass, and therefore they appear to “repel” each other.

4 The fundamental law of “attraction and repulsion” is that substance N of a magnetic state M seeks to contract the volume of blackbody mass into positive energy at optimal point S . It does so by charging and discharging 90° -bending force R between pole B and pole K along the arc of current A , thereby generating a correlative rate of mass growth U . All mass in a state of motion is moving toward the strongest force of S relative to the arc force R of its transmission-current A . The ultimate objective of this exercise is **growth** in a series of progressive powers of U .

Subsection § 8 Electrostatic Fields

1 The forces of “attraction and repulsion,” as we learned above, are the polar and complementary results of the nature of mass-substance to travel toward magnetic centers. The path which mass takes toward or away from the magnetic center S depending on the orientation and direction of motion of substance through the field is called the **electrostatic lines of force**.

2 Western tradition attributes the law of electrostatic charges to **Coulomb**. Coulomb said, as much as any other fool, “the force of electrostatic attraction or repulsion is directly proportional to the product of the two charges and inversely proportional to the square of the distance

between them.” This is to say that if oppositely charged materials are brought close enough to each other, they become more likely to engage in the transmission of free mass; and this likelihood is directly proportional to the difference in potential and the distance between the materials.

Section § 5 Electron Theory

Subsection § 1 Electron Orbits

1 We have learned that the atom is a spherical unit bearing two oppositely charged poles, the central positive pole B and the perimeter negative pole K . The uniform substance of the atom expresses positive and negative charge alternatively as it passes through the two poles of the atom in the toroidal motion. At any point in the cycle of substance through the **toroidosphere** [magnetic field] of the atom, the substance is always traveling either 180° toward or away from the axis of the centrifugal and centripetal forces, the zero-point S .

WORKBOOK: INSTRUCTIONS FOR PLOTTING THE TOROIDOSPHERE ON THE SPHEROGRAPH

1 Given the pressurization of substance N within the magnetic field M by a force R , N travels 90° toward the point of maximal contraction S . The expression of N traveling 90° toward S is the positive state B .

2 The force of depressurization [energetic discharge] occurs as an equal and opposite result of the maximal pressurization of NM at S . After N passes S , the force R bends N 90° away from S . The resulting spherographical

image looks like two equal 180° arcs moving in opposite directions of each other, and meeting at 90° on the center-point of a common axis. This means that 90° of positive force B generates energy from substance, and 90° of positive force B discharges that energy as mass-in-orbit.

3 This image describes the contraction of a field M equal to double the length [quantity N] of one arc. The contraction of the magnetic field M of substance quantity N at point S induces a process that will square the volume of the original field M and give growth to principle substance N .

4 $0^\circ/360^\circ$ of the sphereograph MN contracts into two 90° forces moving toward unity, generating pressure in the positive state. After achieving unity at S , the force R discharges the pressure of S in a 90° arc toward 180° of 0° . These positive 180° arcs express the high pressure-to-volume ratio of substance N .

5 The two 180° arcs of the positive state B must each reciprocate the energy of their own momentum (2) R by completing a complementary 180° arc moving toward $0^\circ/180^\circ$. The expression of N traveling 180° toward $0^\circ/180^\circ$ is the negative state K .

2 It was necessary to reiterate the alternating force of K and B because the topic which the Western tradition calls “electron theory” demands that we conceptualize the field in which “electrons orbit their nucleus”.

3 When we say that the electron orbits a nucleus we mean that the substance N is moving 180° in opposition to the nuclear point S , along the “negative” arc K . This means

that the substance N circulating through the field KM is expressing a higher volume-to-pressure ratio.

4 When the substance of the atom lies in the field KM of ATM (i.e., when substance N in the “negative” state lies on the surface of the spherograph) then the centripetal force of the magnetic center S cannot exert as strong a force on the atomic substance, and therefore the substance in this state may be easily freed from the bond of its nucleus S .

5 If force is applied to an atom which expresses a higher ratio of substance in the negative state KM than in the positive state then that atom will absorb energy which will excite the substance which lies on its surface, and that substance will become free. Its mass will be transmitted between atomic bodies according to the operating relative forces.

Subsection § 2 Orbital Shells

1 In the spherographic model, the KM field of the atom can be expressed as having a number of concentric layers, or orbital shells, between which the negatively-charged substance N is distributed at any given time in the electromagnetic cycle. The perimeter of the nearest of these shells would lie on the edge of the positive field B [which equals an area of $2 \cdot 180^\circ$].

2 After traveling 90° toward point S , substance N discharges away from point S at 90° , and after 180° substance N enters the first of several progressive “shells” of the negative field KM .

3 The number of shells of the atom depends on the

quantity of N . There is a maximum of 7 shells. These shells define how “close” negatively-charged substance N is to the point of maximum [zero-point] contraction S .

4 The nearer substance is to the point S , the stronger the pressurizing force of unity, and the higher the ratio of mass-energy to mass-materiality. Therefore, the shells which are “closer” to S are more positively affected by the generative centripetal force of contraction, and therefore contain a “smaller number of electrons.”

5 As substance circulates through the higher levels of the negative field KM it moves away from point S and the force of unity becomes weaker. As unity weakens, polarity increases, and the shells of KM express increasing ratios of mass-materiality to mass-energy—as if the mass were cooling into different levels of earth as it boiled up from its core.

6 In atoms, the density of each shell decreases, the volume of each shell increases, and the quantity of substance N distributed between them progresses by powers of 2 as they move farther away from the center S . Hence, the shells which are farther away from S are more negatively affected by the centrifugal force of energetic discharge, and therefore contain a “larger number of electrons.”

Subsection § 3 The Elements and their Atomic Shells

1 See Table 1 for the quantity of mass-substance circulating through the negative field KM , i.e., the number of electrons per orbital shell.

2 The Table lists the number of electrons per orbital shell in the form of a ratio where the first integer is the shell number and the second integer is the number of electrons which circulate through that shell. For example, the mass ratio of neutral Oxygen, $N = 8$, is 1:2::2:6, meaning that the negative KM field of Oxygen is two layers thick, the first having a substantive distribution of 2:8 and the second having a distribution of 6:8.

3 It can be seen from the example above that the number of electrons distributed across each shell add up to the atomic mass number $N = ATM - R$. This shows that the atomic mass which is measured in the positive contractive state of the nucleus is quantitatively the same substance as the discharged mass [the “matter”] which is measured in the negative state of expansion [the volume of the atomic “body”].

4 In other words, the atom as a unit bears weight as a result of its positive centripetal force and expresses a correlative volume as a result of its negative centrifugal force.

5 The quantitative substance N changes its magnetic expression as it circulates from negative to positive pole according to force MR . In other words, the quantity of substance N concentrated in the positive magnetic field SBA equals the amount of substance distributed throughout the volume/area [among the orbital shells] of the negative field KM .

WORKBOOK: INTRUCTIONS FOR KNOWING THE BODY

1 At this stage of electron theory, it will be necessary to

know the language of the “body.” The **body** is the magnetic field M of any electric transmission RE of substance N . Hence every body is an atom and every atom is a body. The body possesses being as such solely based upon the contraction of its substance into its own heart S through rhythmic cycles.

2 The center-heart-site S where the substance of the body achieves the maximal/zero-point of contraction [i.e., unity] is called the SBA , and is the site of the Ba , the spirit or life-force of the body.

3 The volume between the SBA and the perimeter of the body's magnetic field, through which the substance of the body achieves the maximal point of expansion exactly 180° away from S , is called $KM-TM$, and is the site of the Ka , the soul or consciousness of the body.

4 The K is also called the “raised high-land” because it grows [squares] the area of SBA to increasing degrees of power by the force of discharge. For this reason, the K is also the purely physical material expression of mass-substance, or, the very flesh of the body. [N.S.C. 6 § O.6-9]

5 The SBA is also called the “star” or “inner chamber” because it is the forced contraction of flat mass [space] to generate squared mass [light]. For this reason, the B is also the purely energetic expression of mass-substance, or, the very life-sustaining spirit of the body.

Subsection § 4 Shell Capacity

1 Table 1 illustrates what has been said before regarding the capacity of each level of the negative KM field to

circulate free mass [electrons]. Shell 1, closest to the nucleus, cannot circulate more than 2 electrons during a single electromagnetic time-frame. Shell 2 cannot circulate more than 8 electrons. Shell 3 cannot circulate more than 18 electrons. Shell 4, farthest from the nucleus, can circulate up to 32 electrons.

Subsection § 5 The Outer (Valence) Shell

1 We have learned that the *KM* of the atom is a negative magnetic field which surrounds the positive nuclear field *SBA* where substance *N* expresses mass-weight in contraction. The volume of the *KM* field is the square volume of *SBA*.

2 The substance circulating through the inner layers of the *KM* field is more strongly bound to the nucleus *SBA* by positive centripetal force, while the substance circulating through the outermost layer can be easily affected by outside force.

3 The outermost layer of the *KM* field is the surface of the atom, and this layer is called the **valence** shell.

4 Every motive unit of substance *N* circulates from the center to the perimeter, from the nucleus to the valence shell, and back in a cycle. When substance is circulating upon the valence shell then it is most likely to be freed from the atom's magnetic bond.

5 Table 1 illustrates the way in which substance *N* is distributed throughout the layers of the *KM* field based upon a principle of fractals. The numerical sets which describe the atomic *KM* field levels increase atomic volume by generating fractal sets of *N* in small-integer

ratios, much like the progression of musical harmonies.

6 The quantity N which is discharged from the center SBA becomes distributed through the progressively voluminous KM shells based on progressive powers of 2. Each shell increases its capacity to circulate the quantity of substance by added powers of 2 as a result of the decrease in the force of centripetal magnetic attraction. However, only the valence [perimeter] shell of the atom will bear such a weak force of attraction that it will be able to transmit or receive mass-energy.

7 Given the above, the valence [perimeter] shell of an atom will bear no more than 8 electrons, called **valence electrons**. An atom cannot have more than 8 electrons in its valence shell because if that were the case then the distribution of mass across the two poles of its magnetic field would be unsustainable; the rate of discharge of quantitative substance N would dissolve the contractive bond of the atom's nucleus. For this reason, an atom with 8 valence electrons possesses a perfectly balanced distribution of magnetic force per unit of substance, and is therefore magnetically stable.

8 The number 8 is also significant because it defines the valence shell of the atom as a **cube** bearing 8 vertices located equidistant from one another along the surface-nodes of the atomic sphere. This means that the “sphere” of a stable atom's centripetal magnetic field affects substance from SBA to the second-to-last level of KM . The last level of KM will seek to obtain a cubic geometry by filling 8 vertices with mass, but only that quantity will enable the atom to reach the state of magnetic stability, i.e., rest, in which it neither loses nor gains free mass.

WORKBOOK: INSTRUCTIONS FOR KNOWING AND UNDERSTANDING THE CUBE

1 Cubic geometry is an important element in knowing and understanding the *AMN* matrix, and a useful component to visualizing the space-time continuum. [N.S.C. 5 § 24-26]. Where the field of substance *N* at magnetic rest is an infinite uniform matrix [blackbody space], the atom is the fourth power of growth of a single reference line-segment *R*.

2 90° -bending force *R* squares the line segment *N* from rest toward maximum energy by contracting the distance between the 2xPoles of the line-segment and thereby increasing pressure at the mean-point of polar unification *S*. Releasing this pressure doubles the 2x 90° fields affected by discharged force-in-opposition to 2x 180° . Another 2x 180° is necessary to return the two forces-in-opposition to their mean-line of unification, whereupon the force *R* will recycle the substance *N* through the 2x 360° field. The limit of centripetal-centrifugal magnetism expressed by the 2x 360° fields lies within a double-octave sphere 720:360, which sphere includes up to the second-to-last level of *KM*. The limit of the *KM* [i.e., valence shell] lies on the cube of the sphere 720:360.

3 A full and balanced cube protects the sphere from losing or gaining free mass. A sphere without a cube easily conducts the exchange of free mass [energy]. When a sphere is in its cube then it is at rest and will not incline to change the energetic expression of its substance. Therefore the cube is often identified with the variable *H* and is called the “house.”

Subsection § 6 Electron Energy

1 Within the *KM*, the further that mass-substance circulates away from the nucleus, the closer it circulates toward the valence shell, the more energy-in-opposition it has. The closer that mass circulates to the nucleus, the less energy-in-opposition it has due to its conditioning by the positive [centripetal] magnetic force which contracts mass and energy into unity at the heart-center *SBA*.

2 When outside energy amplifies the centrifugal force exerted by the nucleus of an atom, then the *KM* substance of that atom will resonate into higher orbital shells, i.e., higher levels of energy-in-opposition. When enough outside energy is applied to a valence electron, then that electron will move out of the atom.

3 Every system seeks to attain **stability**, even as the magnetic expression of substance *N* tends toward rest [inertia]. All atoms ultimately seek the state of rest in which the circulation of mass-substance is perfectly balanced by its magnetic force without being inclined to lose or gain mass as a result of applied outside energy. In order to attain this state, the *KA* of the atom must be full and balanced.

Subsection § 7 Producing Electricity

1 When a quantity of “valence electrons move out of their atom” then that quantity of mass-substance has been freed from its magnetic bond. **Electricity** is the transmission of free mass through and between a system of magnetic fields.

2 When dealing with the amount of applied energy necessary to free mass from a substance, one must consider the quantity of its perimeter mass [valence electrons], or the KMN , which lies between 1-8. The lower the KMN , the more applied energy is distributed per electron. The higher the KMN , the less applied energy is distributed per electron. Valence electrons share any energy applied to them.

3 All systems [bodies] exchange mass toward the end of their own stability according to the order of the magnitude of respective charges.

Subsection § 8 Conductors

1 In a substance where $KMN = 1$ or 2 , that substance is called a **conductor**. Energy applied to such a substance will be distributed to relatively few electrons, and those electrons will be strongly affected by an increase in resonance. Such a substance will easily relinquish their few KMN to transmit free mass [energy].

2 Unstable atoms, where $KMN < 4$ [less than half filled], tend toward stability. These conductors seek to release their free mass in order to empty their under-filled valence shell. Such substances are highly prone to producing electricity.

3 The best conductors have a single valence electron: n_{29} [copper: $k_{mn}4:1$], n_{47} [silver: $k_{mn}5:1$], and n_{79} [gold: $k_{mn}6:1$].

Subsection § 9 Insulators

1 In a substance where $KMN = 8$, that substance is considered **inert** because it contains the maximum number of valence electrons that a substance can have without beginning a new shell. If electricity is produced by the transmission of free mass between the valence shells of substances of differing potential, then a substance with a fully stable valence shell cannot conduct the exchange of energy.

2 In a substance where $KMN = 6$ or 7 , that substance is called an **insulator**. Energy applied to such a substance will be distributed across a relatively large number of valence electrons, and that substance will strongly resist an increase in resonance.

3 Unstable atoms where $KMN < 8$ tend toward stability. These insulators seek to receive free mass in order to fill their valence shells to $KMN = 8$. Such substances, far from being prone to free their own mass to produce electricity, actually oppose the production of electricity by absorbing any free mass in their vicinity. The best insulators are those where $KMN = 7$.

Subsection § 10 Semiconductors

1 A substance where $KMN = 4$ is called a **semiconductor** because it can conduct electricity better than insulators, but not as well as conductors.

2 The best semiconductors are $n6$ [carbon: $kmn2:4$], $n14$ [silicon: $kmn3:4$], $n32$ [germanium: $kmn4:4$], $n50$ [tin: $kmn5:4$], and $n82$ [lead: $kmn6:4$].

Subsection § 11 Atomic Bonds

1 Here we will begin to speak upon the standards of good conduct and basic contracts between two or more bodies [battery] [N.S.C. 2].

2 A **bond** is a **contract** between two or more bodies to share free mass in order to achieve a mutual state of stability. Any body which has a KMN of less than 8 will seek to engage in bonds which will satisfy the capacity of their valence shell and thereby bring about rest. In other words, a bond is the expression of the heart's desire [centripetal force of attraction] to fill its KMN to achieve a state of rest, or balance.

3 We learned before how the Elementary Mass Units $n1-103$ do not possess stable KMN levels in most cases. Therefore, most elements seek to engage in bonds with similar elements wherein the KMN levels of all elements thus engaged are satisfied as a result of the mutual exchange of each element's free mass. In such bonds, the elements “contract” their free mass to one another in such a way that the valence electron which satisfies their KMN also circulates through the KMN of all other bodies under contract.

4 Elements of the same type N thus engaged in mutually stabilizing contracts are called unique units, or molecules, and it is the properties of these more stable molecules which will define the substantive property of their material.

5 Example: The first KM level of N bears a capacity of 2 mass units [electrons]. Two atoms where $N=1$ each have a single mass unit in their first and only KMN shell, and

each seeks to fill their KMN to the limit of 2. Therefore, these two atoms of $n1$ can contract their single free mass unit to each other's heart so that each atom now conducts a stable quantity of 2 mass units through the KMN of their bodies. Such a case, in which an electron pair is being shared between two or more bodies, is called a **covalent bond**, and the resulting substance is the molecule of $n1$.

6 Example: Two atoms where $N=17$ each have 7 mass units in their KMN shell, and each seeks to fill their KMN to the limit of 8. Therefore these two atoms of $n17$ can each contract one mass unit to be shared as a pair between their hearts so that each atom now conducts a stable quantity of 8 mass units through the KMN of their bodies.

7 The number of elementary atoms of N which are needed to engage in a covalent bond depends upon the KMN of the element. If the KMN of the element is 6 [as in $n8$], then 3 elementary units are needed to form 2 electron pairs in order for each of the 3 elementary units to achieve a mutual state of stability, i.e., a state of lawful battery.

Subsection § 12 Covalent Bonds

1 The molecular structure, or geometry, that a group of bodies will assume under contract depends upon the number of bodies, and by extension their KMN levels. Atoms with low KMN levels need to contract more elementary units in order to fill all of their KMN shells, and therefore assume “complex” geometries in order to achieve stability.

2 A semiconductor where $KMN=4$ is considered to have relatively low KMN levels and thus relatively high instability. Due to this high instability, a single such atom

must contract four electron pairs from four surrounding elementary units into its own heart in order to achieve a stable KMN level of 8. However, the resulting bond stabilizes only the 1 central unit out of the 5 elementary units necessary to form it. This arrangement is not exactly a molecule because the surrounding four elementary units are not stable, but this geometry is the fractal expression of stability which the bond has the potential to increase by contracting identical bonds to its unstable elements. The continuation of such a bond according to the geometry determined by the KMN of the elements involved is called a **crystal lattice**.

Subsection § 13 Electrovalent Bonds

1 Elements of different type N which engage in mutually stabilizing contracts are called inter-molecular units, or **compounds**.

2 Compounds can be formed by covalent electron pairing, such as the case with $n8$ and $n1$ [oxygen and hydrogen]. Because $n8kmn6$ needs 2 electrons in order to achieve stability, and $n1kmn1$ needs 1 electron in order to achieve stability, two atoms of $n1$ can each contract an electron pair with $n8$, and all three elements thus contracted will fill their KMN levels to maximum stability. This compound is called $n8kmn6n1n1$, Water.

3 Compounds can also be formed by **electrovalent** bonding, or **ionic** bonding, in which electrons are not shared between the hearts of two differing elements, but rather one atom gives up all of its valence electrons [becoming a positive ion] to be received by another atom [becoming a negative ion], which two ions then bond by magnetic attraction.

4 Example: $n11kmn1$ is inclined to free its single valence electron, and $n17kmn7$ needs only a single valence electron to stabilize its KMN level. Therefore, when these two elements are brought close to one another, they will contract an electrovalent bond.

Subsection § 14 Metallic Bonds

1 A **metal** is an ideal conductor of the lowest possible KMN level: only 1 (or 2) mass units [electrons]. Because such substances usually have a single electron in their valence shell, they will most easily conduct free mass [electrical energy] between similar substances to which they are bound.

2 A **metallic bond** is a form of covalent bonding in which all the atoms under contract possess a KMN value of 1. Because all the atoms are conductors (and their composite material is thus also highly conductive) the single valence electrons are shared freely between all of the atoms in the material instead of per molecular bond such as in high- KMN molecules.

3 When conductors form covalent bonds in which their individual electron-mass is shared among all of the atoms under contract, and that mass is free to wander through the material as energy-in-motion, then that material is composed of a **metallic lattice**.

4 Conductors don't have stable houses, so they can never achieve rest. Only substances with full KMN cubes have houses, and can remain at rest. Because conductors have unstable houses, they will give up their single KMN electron in order to join a metallic lattice and engage in

the collective exchange of free mass [energy]. Engaging in the continuous exchange of energy satisfies the instability of the *KMN* level of conductors. Under such contracts, the natural instability and high-energy-level of conductors directly promotes the production of electricity.

Section § 6 How to Produce Electricity

Subsection § 1 How Electricity is Produced

1 As it has been said before, electricity is the discharge, exchange, sharing, or transmission of free mass-substance [electrons] between the *KMN* levels of atoms engaged in a contract of the heart. Electricity is the energetically excited state of mass-substance-in-motion, whereas conventional matter is the energetically neutral state of mass-substance-at-rest. The stability of any substance will increase as a result of an increase in *KMN* to the maximum capacity of 8, or, alternatively, the voiding of all *KMN* mass. The objective of the energetic state of any substance is the stabilization of the *KMN* levels of every atom in the system, and bringing the heart to rest within its house.

Subsection § 2 Electricity from Friction

1 We learned about producing electricity from friction at the beginning of this volume. When two materials are brought into close, rhythmic contact with one another, then one of them may accumulate mass [electrons] which has been freed from the other by the applied force. Charge that results from the transfer of electrons from one material to another is called **static electricity**.

2 The heat energy produced by rubbing facilitates the freeing of unbound mass [electrons] from the surface of materials, especially insulators like glass and rubber. When this act results in a static charge netted by the insulator, it is known as the **triboelectric** effect.

Subsection § 3 Electricity from Chemicals

1 Chemicals are the pure (or ideally pure) form of molecular and compound substances that epitomize the properties caused by their elementary composition. Chemistry is the study of such substances and the way that they react to one another. Chemistry comes from the root “KM” and it refers to the study of substance *N* according to the relationship between the positive *SBA* and the negative *KM* fields, the conditions of which result in the transmission of free mass. Chemistry and al’Kemi are identical disciplines which study the progression of substantive [i.e., quantitative] properties from *n1-n103*.

2 Chemical solutions of different elementary substances can produce electricity based on the principles of **electrochemistry**. A **battery** is any combination of substances which induces the transmission of free mass.

WORKBOOK: INSTRUCTIONS FOR KNOWING ALCHEMY [AL-KEM-ISTRY]

1 [Note: in notating ionic substances, “+*n*” means that the substance lacks *n* electrons and thus nets a positive charge; “-*n*” means that the substance possesses *n* electrons in excess and thus nets a negative charge. If no number follows the sign then the charge is 1.]

2 [Note: in notating substances, the *KMN* quantities will be noted only as needed.]

3 Example: A wet battery is made from a solution called an electrolyte. An example of such a solution is sulfuric acid and water mixed in a glass container. The sulfuric acid reacts with the water and separates into the positive hydrogen ion $n1+$ and the negative sulfate ion $n16n84-2$. The distribution of each ion through the solution is balanced and the solution has no net charge.

4 When copper $n29$ and zinc $n30$ bars are added to the electrolyte solution: (1) the negative sulfates pull positive zinc ions $n30+$ out of the zinc bar, leaving one electron -1 per ion in the zinc bar and giving the bar a negative charge; (2) the positive zinc ions bond with and neutralize the negative sulfate ions [$n30+n30+n16n84-2 = n30n30n16n84$], giving the overall solution a more positive charge due to the presence of $n1+$; (3) the positive hydrogen atoms $n1+$ attract free electrons from the copper $n29kmn1$ to again neutralize the solution; (4) the copper $n29kmn0$ nets a positive charge $n29+$. This reaction will persist so long as a difference of potential exists between its constituents.

Subsection § 4 Electricity from Pressure

1 We have learned that the force R bends substance N 90° toward the mean S between the two opposing poles of a magnetic field in order to accumulate the difference in potential between the two poles, or the **pressure**, needed to transmit a current of mass-substance through the field. Hence, pressurization is one of the key methods of producing electricity.

2 When the force of energy applied by pressure is distributed among the atoms of specific substances then the electrons of those atoms are driven out of their orbit in the direction of the force. Free mass thus accumulates in the form the energy on one side of the material, thus building positive and negative charges in the respective ends of the pressurized material. This effect is called **piezoelectricity** and is the result of pressure caused by a twisting or bending force.

3 If the pressure is released, free mass will redistribute neutrally throughout the material; the electrons will return to their original atomic bodies; and net charges will dissipate.

4 Crystalline substances like Rochelle salts and certain ceramics like barium titanate are most effective in producing piezoelectricity.

Subsection § 5 Electricity from Heat

1 Two unlike metallic substances [conductors] can be joined in order to transmit free mass between the higher-*KMN* substance and the lower-*KMN* substance depending on the desire of each metal to either empty or fill its *KMN*.

2 Example: copper n_{29kmn1} and zinc n_{30kmn2} will act as such. The copper desires to free its single mass unit from its *KMN* level in order to achieve stability. The zinc will receive the free mass and net a negative charge: $n_{30kmn2+1} = n_{30-}$. The copper, having freed its mass, nets a positive charge: $n_{29kmn0} = n_{29+}$.

3 Such charges which develop at room temperature [thermoneutrality] are small because, even though the

materials are conductors, the energy level of the materials is not high enough to free a substantial amount of mass from the valence shell *KMN* without applied force.

4 If you apply force in the form of energy from heat [thermopositivity] to the junction of two dissimilar metals, then you will raise the energy level of the mass resonating in their *KMN* levels, and that increase in energetic instability will cause a higher rate of mass to be freed from the copper.

5 If the metals cool [back to thermoneutrality] then the accumulated free mass will redistribute neutrally throughout the materials; the electrons return to their original atomic bodies; net charges will dissipate.

6 The method of increasing thermopositivity in order to promote the transmission of free mass is called **thermoelectricity**. The dimetallic device used in such a reaction is called a **thermocouple**, and a bound mass of thermocouples is called a **thermopile**.

Subsection § 6 Electricity from Light

1 **Light** is produced by the 180° discharge of mass-in-opposition *NN* from a magnetic mean *S* toward a limit of *KMN*. It is because of light that only the *KMN* of atoms can be perceived by and interact with other bodies; alternatively, the *SBA*, the center in which this “light” is generated, can only be perceived by bodies which are contracted to it.

2 According to Ancestors, light is the frequency of electromagnetism that causes the waveform-spectrum to be manifest to perception. The Ancestral variable for

Light is *MRKHB*. According to this *medu-neter* equation, light is what is discharged from the *B* to the *KH* through the field *M* by the force *R*. If *B* is generally unperceived in the center of *M*, then the light frequency must lie within the field *KH* of *M*. However, because the substance *N* is quantitatively identical in *B* and in *K* except for the factor of pressurization, then light must be the degree of frequency that increases the volume of *N* toward *KH*. Thus it may be said that for every level of *KM*, the degree of light squares the volume of the atomic sphere, and the energy expressed by the *K* is proportional to the mass *N* multiplied by each *KM* level.

3 According to Western tradition, light is made of “small particles of energy called photons.” Light is not a particle, nor made of particles; nothing is truly a particle.

However, a **photon** may be an accurate name for the magnetic factor which squares the growth of a waveform *N* toward *KHMN*. When substance *N* in the positive magnetic state of *SBA* reciprocates the force of its pressure *R* by increasing its volume of *KM*, then it discharges mass *KMN* toward the limit of its magnetic field upon force *R* squared. Hence, force R^2 is the photon, the substance of light, i.e., the force which enables discharged *KMN* to be perceived and therefore give material expression to substance *N*.

4 The photon carries the *medu-neter* equation of $R^2 = PTH$, where the variable *H* in this case bears the sign of a piece of twisted flax signifying double-helix waveform geometry. Variable *P* bears the sign of a square, and variable *T* bears the sign of a semi-circle/loaf of bread. The equation means “a waveform transmission which is discharged by the square of force from one octave toward the opposing octave.” The semi-circle sign for *T* is nearly

identical to the basket sign for K , except that K is turned with the opening upward, as if to collect mass, and it has a handle. Therefore PTH refers to the relationship between the force of R^2 and the KM level.

5 By these definitions, the photon is the square of the bending force itself, R^2 , which can, upon contact with certain substances, increase energy levels and free mass. The method by which photons, upon contact, raise the KMN energy level of atoms and cause those atoms to free their mass and transmit that mass in the form of energy is called the **photoelectric effect**.

6 **Photoemission** is a photoelectric effect in which photons cause the atoms of a substance to free mass as energy in a vacuum tube, which energy would then be collected by a plate.

7 The **photovoltaic** effect occurs when one of two bound substances [as in a battery] comes into contact with photons and releases its mass to the unlike substance, opposite charges building between the substances.

8 **Photoconduction** is the photoelectric effect in which photons cause the atoms of a substance that is not normally a good conductor to increase their energy level and free their electrons, causing them to become better conductors.

Subsection § 7 Electricity from Magnetism

1 The Western scientist considers it to be a novelty that magnetism affects the flow of the current of free mass

[electrons], while our Ancestors understood that it is the very Nature of electricity to be conducted through a magnetic field M according to the laws we have learned. Furthermore, it is the very nature of the substance of the field [mass N] to be expressed in states of alternative rest and energy. These states materialize as resting substantial material [matter] $N = KM-TM$ and as the current of mass-as-energy [electricity] RA which motivates and thereby sustains every atom of that matter. This effect is called **Electromagnetism**, or, less preferably, magnetoelectricity.

Section § 7 Electric Current

Subsection § 1 What is Electric Current?

1 Free mass KMN [electrons] moving in the same direction produces an electrical current A , E , or I (the sound-signs are phonetically intimate and all signify the vibration of a waveform, differing only in degree of frequency and tone). The magnitude of the current is in direct proportion to the quantity of freely moving mass against the degree of the substance's resistance.

Subsection § 2 Free Electrons

1 Valence electrons are high-potential mass units on the outer shell of every atom, and they may be freed from the bond of their atom providing that low quantities of KMN receives an application of force. In groups of low- KMN -level conductors, the few valence electrons per atom are freely shared among the KMN -levels of all other atoms thus engaged in the metallic bond, providing sufficient

applied force. The few valence electrons per atom multiplied by the number of atoms engaged in the contract of electron sharing results in an accumulation of mass moving freely as pure current of energy RA through the material.

Subsection § 3 Electron Movement

1 The free mass will move through the conducive material toward the positive SBA location of the greater magnetic field KMN . The magnitude with which the current of mass-energy A passes through material KMN depends on the positive force of attraction SR being applied to the material. If the difference between positive and negative force is increased, then mass will move with increased concentration and velocity toward the SBA .

Subsection § 4 Current Flow

1 Electric current RA travels up to a limit of $C = 186,000$ miles per second: the speed of light, or the force of R^2 . This is the speed toward which R^2 bends the substance N into material expression of mass KMN . However, the quantity of N and the levels of the KMN of the atoms, as well as the the types of bonds which they engage in and the kinds of substances produced, will determine the resistance against which the force R^2 is moving, thus slowing the force down considerably from reaching the limit of light.

2 N is the reference point, or pitch, of the field M in which the electromagnetic effect of atomic growth takes place. Light, R^2 , is the next higher octave of the reference pitch $N=0$. $N^2=RA/M$. The electromagnetic wave spectrum lies

between $N=0$ and $N=R^2/103$. Otherwise stated, the maximal growth of any electromagnetic cycle operates between the zero-point of blackbody inertia $AMN=0^\circ$ and the limit of vibrational frequency $R^2 = 360^\circ$.

Subsection § 5 The Current Impulse

1 The energy RE is applied to the KMN field causing the [electron] mass to become freed from the bond of its atom, but the mass will not continue in the direction of force on the strength of its own unencumbered momentum *per se*. Free mass transmits directly into the least-resistive neighboring atom with which it has contracted some kind of bond. The force R with which the freed mass $KMNuI$ collides with its neighbor will free that neighbor's mass in the direction of force. This transmission of free mass from atom to atom within a body [bound substance] is the **impulse** of the electrical energy R that is being conducted through that body, and that impulse creates the electric current A, E, I .

2 Remember that $PTH = R^2 / KM$, where P = the square force R ; and T = the 180° octave which signifies both R^2 and the octave root of the 360° cycle ; and H = the double-helical movement of the R force which bends mass substance N from B to K . Therefore the force of PTH bends mass substance N around the 180° field of KMN where the mass may then be freed and transmitted between atoms as an electrical impulse. For this reason, PTH is considered to evoke the attributes of a smith or craftsperson who either moulds or mounds matter into the form of R 's desire, or shaves or chisels away mass into said form.

3 The electrical impulse of R also carries the equation $KPRR$ or $KHPR$, signifying the transmission of the square of R through the KH . The mythology of $KHPR$ is that of a scarab dung beetle who rolls its seeds into an accumulating mass of soil or dung, just as the electrical impulse rolls each electron along in the current of RA .

Subsection § 5 The Speed of Electric Current

1 Free mass [moving electrons, energy] is considered a *current carrier*, and it carries the current A of force R through conducive substance $KM-TN$ toward a speed limit of $C = 186,000$ miles per second. The current carrier = PTH .

2 Example: Current carrier PTH transfers electrical impulse R through a body $KM-TM$ or $KMNu$ just like when a single billiard ball hits one end of a long row of billiard balls, the force [R] of its momentum upon collision is transmitted from ball to ball [$KM-TM$] at such a speed that the ball at the opposite end is freed from the row at nearly the same time that the first ball struck.

Subsection § 6 A Complete (Closed) Circuit

1 In learning about the true [MAAT] structure of the atom, we have simultaneously been learning about how a **complete** or **closed circuit** operates.

2 A single atom ATM is made of the electrical circulation of mass substance [energy] through a magnetic field whose inner limit [center] is the heart or **source** S , and

whose outer limit [perimeter] is the valence electron field or **circuit** KMN . The source S supplies mass to the circuit KMN which then cycles the free mass to other circuits, or back to the source.

3 The circuitry of a single atom is an elementary battery whose positive pole lies in the center of the unified substance's magnetic field and whose negative pole lies on the perimeter.

4 In basic to advanced batteries, the positive and negative charges are applied to wholly differing materials, and the circulation of mass between those materials occurs in a medium of another substance.

5 In other words, electrons are to atoms as atoms are to a circuit ; and : the heart of an atom is to an electron as the source of a circuit is to the electrical current.

6 Never forget : Mass is static energy and Energy-current is mass moved by force R . i.e., $E = KPR^2$

Subsection § 7 An Open Circuit

1 If the circuit of mass [current] circulating through the KMN is broken [to **open** the **circuit**], then the mass's charge would accumulate at the source-discharge [negative] terminal K of S . No mass would be circulated through the source-recharging [positive] terminal B of S , and the circuit would therefore not conduct the circulation of [mass] current I .

Subsection § 8 The Electrical Energy

Source

1 The energy source of any electromagnetic system always lies at the geometric center, or heart site S , of the circuit KMN of any magnetically-bound polarity of mass MN . This does not *necessarily* mean that the source always lies in the middle of the physical circuit (as in an atom), but that it lies at the point where the positive terminal B and the negative terminal K of the circuit unify, i.e., where the electrical R charge of mass-in-motion is restored and resupplied to the circuit.

2 Practical circuits such as **batteries and generators** generally follow the geometry $ANKH$, where A = the current of R ; N = the mass substance of the current; K = the circuit loop through which mass-energy is circulated; and H = the “house” or “double-helical” enclosure of the circuit. The variable equation KH signifies that the enclosure of the circuit will be a loop whose positive and negative terminals meet at the source S of current AN .

Subsection § 9 Putting Electricity to Work

1 The circuit of a single power source can be routed through many receivers of energy, such as both a lightbulb and a doorbell. However, the conducive material substance N of the circuit KMN will determine how much energy is supplied throughout each part of the circuit. The higher the KMN levels of the substance, the more resistance that substance will pose to conducting current.

2 If a low- KMN -level substance [a good conductor] is placed across the positive and negative terminals of a

power source, then a near-zero-resistance **short circuit** will ensue and burn out the power source. This is the reason that protective **fuses** are used to open the circuit by melting when the current of energy becomes too high.

Subsection § 10 Electrical Units of Measurement

1 In order to produce a flow of electrical current RE through a circuit [of KMN], there needs to be a **difference in [magnetic] potential** between the positive B terminal and the negative K terminal of the power source S [the battery].

2 RE always moves toward the heart S . The site where RE enters the heart is the positive terminal because that is where the free mass-in-motion is being *recharged* in the power source. It is considered to have a high potential because it raises the energy level of the mass passing through it.

3 The site where RE exits the heart is the negative terminal because that is where the free mass-in-motion is being discharged from the power source through the circuit KMN . It is considered to have a low potential because it releases the energy of the mass in the form of the electrical current RE (RA). RE must pass from lower potential to higher potential in order to be *recharged*.

Subsection § 11 Electromotive Force (Voltage)

1 The **charge** produced by a net loss or gain of mass [electrons] is measured by a unit called a **coulomb**. A

negative charge of 1 coulomb =
6,280,000,000,000,000,000 electrons [6.28×10^{18} (billion
billion) electrons].

2 Any difference in potential between two terminals of a battery will result in the **electromotive force** (*EMF*) of *KPRR* which “rolls along” each electronic impulse of the current *RA* from atom to atom toward the heart *S*. The *EMF* is measured in units called a **volt** *V*. $EMF = 1 V = 1$ coulomb of current = 1 joule of work.

3 Mega = one million. Kilo = one thousand. Milli = one thousandths. Micro = one millionth.

4 Potential = *EMF* = voltage.

Subsection § 12 Amount of Current (Ampere)

1 The quantity of mass in transmission [electrons flowing] through a circuit *KMN* = 1 coulomb per second = 1 **Ampere**.

2 As we have learned, the *mdu-ntr* variables *E*, *A*, and *I* are all phonetically intimate. They are all vowel sounds, which means that they represent the transmission of a power source's energetic discharge toward the *KM*, and therefore represent the frequency of the energetic waveform. [N.S.C. 4 § 7.8]

3 To clarify the uses of “vowel” variables when talking about different qualities of energy, it is best to establish the following equations:

E = mass in transmission, i.e., a vector field; energy in general.

I = net electric current, i.e., J over the resistance of the magnetic field $MN = T$, where J = electric current density.

A = Amperes of energy.

4 As a minor aside, the “vowel” sound-sign U is classified as a weak consonant in *mdu-ntr*. Therefore it operates both as a vowel and a consonant. As a vowel, U = growth [of frequency or volume or any quantity]. As a consonant $U^2 = W$ = growth in harmonic stability.

Section § 8 Effects of Electricity

Subsection § 1 Effects of Electricity

1 Electricity can produce chemical activity, pressure, light, heat, and magnetism precisely because it is the transmission of free mass which lies at the foundation of all of these phenomena.

Subsection § 2 Electricity Causes Chemical Activity

1 In electrochemistry, **electrolysis** is the use of electrical current RE to alter the KM /chemical composition of substances.

2 Example: water, $n1n1n8 + RE = n8-2$ and $n1+$. The ions are then attracted to oppositely charged **electrodes**. At the negative electrode $n1+$ receives mass [electrons], neutralizes into $n1$, and escapes the water as gas. At the positive electrode $n8-2$ frees mass, neutralizes into $n8$, and escapes the water as gas. This current will continue

until all of the ionized substance is neutralized.

3 In **electroplating**, a substance dissolved in a solution of water + RA = a positively ionized conductor and a negatively ionized variable substance. [Example: $n29n16n84 + RA = n29+2$ and $n16n84-2$.] The conductor would then adhere to the negative electrode and eventually plate the electrode material.

Subsection § 3 Electricity Causes Pressure

1 We learned how piezoelectric charge results from twisting or bending a crystalline substance like Rochelle salt by freeing the mass of its atoms and distorting its lattice geometry. When 1 VR of sound is applied to a crystalline substance, then that substance will respond by bending according to the frequency of the pitch of the current. This is how crystal earphones and the cutting stylus of a phonograph record work.

Subsection § 4 Electricity Causes Heat

1 The flow of electrons itself is heat. In other words, mass is set into motion by heat and the energy of that mass itself is heat.

Subsection § 5 Electricity Causes Light

1 Good conductors release energy in the form of heat at a less wasteful rate than poor conductors. Poor conductors release energy as heat and light in the form of a glowing red and white hot appearance. This is how an **incandescent** lamp works.

2 Light can also be produced without wasting energy as heat by such methods as **Phosphorescence**, in which a current of energy *RE* strikes “some *phosphors* and other types of materials.”

3 **Electroluminescence** is the effect of tonal light radiations produced by certain ionized gasses (especially inert gasses like neon and argon) when they conduct current.

4 **Fluorescence** is when an electroluminescent [electrically charged, ionized] gas like mercury emits ultraviolet radiation which strikes a phosphorescent coating which gives off a “white” light.

Subsection § 6 Electricity Causes Magnetism

1 Any conductor, or any body soever, carrying electrical current *RA* will act according to the magnetic field of its heart. This is the law of electromagnetism.

Section § 9 Magnetism

Subsection § 1 Magnetism

1 All substance is magnetic, just as all substance is electric, due to the necessary conditions of inter- and intra-atomic motion. However, some substances express a more polar magnetic orientation due to the instability of their atoms, while other substances express a more neutral magnetic orientation due to the stability of their atoms.

2 The earth, as a substance, is structurally atomic because

it has a positively charged core and a negatively charged crust / atmosphere. The earth is also electronic in the context of its solar system because it revolves around the nucleus of the sun; and the sun is in turn an electron which revolves around its own nucleus of Sirius; and so on unto the nuclear black hole of the Universe. For these reasons the earth has its own electromagnetic field, and everything on earth obeys the earth's electromagnetic lines of force.

3 A leading stone, or **lodestone**, is a naturally occurring magnetic substance which is found in the earth. If allowed to move without resistance, it will align itself toward the earth's north and south poles.

Subsection § 2 Magnetism and the Electron

1 Because Western science does not concede that electricity and magnetism are complementary and indivisible components of atomic structure, it is tasked to explain what it calls the “electron theory of magnetism.”

2 The Western theory says that the electromagnetic field of the electron is produced by a combination of (1) the negative electrostatic field which attracts mass toward the electron and (2) the magnetic field caused by the orbital **spinning charge** of the electron.

3 According to MAAT Natural Law, mass *N* on the outer *KMN* field is just the same as mass on the inner *SBA* field except that their expressions are opposite [at 180°]. Also, this mass is obviously *always* in motion, and the force *R* of this motion bends [or turns] mass about its own axis

and bends [or turns] mass about the axis of its substantive heart *SBA*. Hence, mass is bent into *SBA* and out to the *KMN*, then back from the *KMN* and into the *SBA* and out again, and so on.

4 When mass is in the *KM* it is called the electron. The electron spins on its own axis as it revolves [moves] about its heart, always seeking unity with the nearest *SBA*. This is the MAAT explanation of the centripetal electromagnetic field of the atom.

Subsection § 3 The Magnetic Molecule

1 We just learned about the spinning charge of electrons, which is produced by the direction in which each electron orbits [discharges away from and retracts into] the *SBA* nucleus of its atom. The spin charge produces a concentric spiral [centripetal] magnetic field around the electron.

2 Electrons, as mass discharged from the *SBA* southward toward the *KMN*, can be sent along any trajectory out of 360° because both the *SBA* and *KM* fields are concentric spheres. For this reason, every unit of mass-substance which is discharged from the *SBA* can take one of any number of trajectories, and it is this variable of trajectory which give them differing spins.

3 In most atoms, electrons tend to pair off in orbits [of the same *KM* level] with opposite spins so that they produce opposing magnetic fields and cancel each others' force. The mutual nullification of force brings the magnetic effect of both electrons to rest. In most molecules, atoms bond to fill their *KMN* levels to 8 and therefore come to rest.

4 In the substances n_{26} , n_{27} , and n_{28} , however [who all have a KMN of 4:2], their atoms naturally combine into ionic molecules whose KMN [valence electrons] are arranged in such a way that their spins do not cancel, but add.

5 When electrons of the same spin occupy the same orbital [KM level] then their spins add and amplify their centripetal electromagnetic field, thus producing what are called **magnetic domains** in their substances. These substances are also called **magnetic molecules**.

Subsection § 4 Magnetic Materials

1 Naturally magnetic materials are called **ferromagnetic** materials with respect to the properties of Iron [n_{26}] a.k.a. that which is “ferrous.”

2 An **unmagnetized** magnetic material is one in which its magnetic molecules are scattered and disoriented in such a manner that their magnetic fields nullify each other.

3 A **magnetized** magnetic material is one in which all of its magnetic molecules are pointing in the same direction [toward (North-bound) or away from (South-bound) the heart SBA of the system]. A partially magnetized material is one in which only a few of the magnetic molecules are **aligned**, i.e., oriented toward the North and South.

Subsection § 5 How to Magnetize Iron

1 **Alignment** is the method by which one magnetizes any material so that it can pass a current of RE from South to North.

2 One method of alignment is stroking the north end a magnet across an unmagnetized material.

3 Another method of alignment is coiling an unmagnetized material in conductive wire and passing a current of *RE* northbound through the wire.

4 Whether or not a magnet will be **permanent** or **temporary** depends on how hard or soft its material is.

Subsection § 6 How to Demagnetize a Magnet

1 The process of demagnetizing a material is the reverse process of aligning it.

2 One method of dealignment is to strike a magnetized material hard or often enough that its molecules become sufficiently scattered. Another method is to apply energy in the form heat which will cause the molecules to vibrate and become sufficiently scattered.

Subsection § 7 The Earth's Magnetic Field

1 We learned at the beginning of this section how the earth is a magnet, because it is an electron, because it is a mass spinning around a nucleus. However, the north/south magnetic pole of the earth is 23.5° away from the north/south geographic pole as based on the earth's elliptical plane.

Subsection § 8 Magnetic Polarities

1 A magnet, given zero-resistance, will always align itself toward the North pole of the earth because its material, which is made of the earth's *KM*, will be conducting the earth's ambient current of *RE* toward the *SBA* site of the earth's nucleus, which gateway is located at the North pole.

Subsection § 9 The Magnetic Compass

1 A compass works due to the above explanation.

Subsection § 10 Attraction and Repulsion

1 When it is said that “like poles repel, unlike poles attract” it means that all mass-energy *KM* in transmission seeks to enter the North gate of *SBA*. The magnetic polarity of *KM* mass is negative, so it is automatically attracted to the positive polarity of *SBA*. When the *KM* passes into and out of *SBA*, it will again seek toward the *SBA* through the entire circuit of the *KM* field.

Subsection § 11 The Magnetic Field

1 The magnetic force expressed by a material creates a field around the substance which conducts mass *N* from the *KM* to the *SBA*, i.e., from the south pole of the magnet to the north pole of the magnet.

Subsection § 12 Lines of Force

1 The magnetic field is represented by **lines of force** which describe the direction in which mass is moving

through the magnet. In a spherograph, the north and south poles of a magnet lie 180° away from each other on the perimeter of a spiral made up of diminishing concentric lines of force. Lines of force also enter the field from the south pole and exit the field through the north pole. The shape is overall toroidal, although a bar magnet, or any given mass i.e. body, suggests such energetic geometry.

Subsection § 13 Interaction of Magnetic Fields

1 The north pole of a magnet is discharging mass-energy current *RE* and the south pole of a magnet is receiving mass-energy current *RE*. For this reason, if the north pole and south pole of two different magnets are brought together, they will connect in order to continue the transmission of the current *RE* from the south to the north.

2 If the north poles of two different magnets are brought together, however, they will repel each other because both poles are discharging mass-energy and thus cannot connect to transmit the current continuously. Similarly, if the south poles of two different magnets are brought together, they will repel each other because both poles desire to receive mass-energy, and neither pole is discharging that energy.

Subsection § 14 Magnetic Shielding

1 Magnetic lines of force pass through all materials, but they will seek the path of least resistance, or **reluctance**, through any given system. For this reason, one can shield a material from the presence of magnetic fluctuations by surrounding it with low-reluctance (magnetic) material.

Section § 10 Electromagnetism

Subsection § 1 What is Electromagnetism?

1 Free mass [electrons] [KM] moving through a wire under a force R causing a current flow I carries a magnetic field as a result of its orbital spin. These fields add when surplus electrons accumulate, such as in a current flow.

Subsection § 2 Electromagnetism in a Wire

1 The magnetic field of an electron, or any body of mass, moves clockwise to the forward direction of electrical current flow. If the current were flowing away from your vantage-point of perspective, then the magnetic field would appear to be moving counter-clockwise.

2 In the Parable of the Boat of RE , the force of R moves straight forward and “those who are in the company of RE ” go around the force from the western 180° horizon, through the $TUAT$, to the eastern 180° horizon, and over the NUT [sky] and back.

3 The **left-hand rule** of determining the direction of the magnetic field shows that if you wrap your fingers around a wire and point your thumb in the direction of the current flow, then your fingers will curl in the direction of the spiraling magnetic field.

Subsection § 3 Field Intensity

1 The magnetic field of current flow [*RE*] through a wire is stronger near the wire than away from it.

Subsection § 4 Field Interaction

1 If two wires carrying current *RE* in opposite directions are brought near one another, then their oppositely-spiraling magnetic fields will repel one another.

2 If two wires carrying current *RE* in the same direction are brought near one another, then their identical magnetic fields will add to one another and the wires will be attracted into sharing the a common intensified magnetic field.

3 Remember: the magnetic field moves in flux lines that run clockwise spiraling at 90° degrees-perpendicular to the direction of the current flow *RE*.

4 If a wire is bent into **loops** then the magnetic flux lines of the current flow will enter the loop on one side and exit on the other. The magnetic field spiraling within each spiral of the wire will compress at the center to create a dense and stronger magnetic field. The revolution of the magnetic field will also conduct a current from the south to the north pole though the center of the magnetic field of the spiraled wire.

Subsection § 5 Electromagnetism in a Coil

1 A wire which is wound into loops going in the same

direction is called a **coil**. Helical means to be wound into loops [spirals]. A multiple-loop-series, tightly-wound helical coil will produce a very strong magnetic field at the center of the coil called an **electromagnet**, and a coiled unit made for this purpose is called a **solenoid**. The magnetic flux lines of a solenoid operate just as in a bar magnet. These coils also follow the left-hand rule.

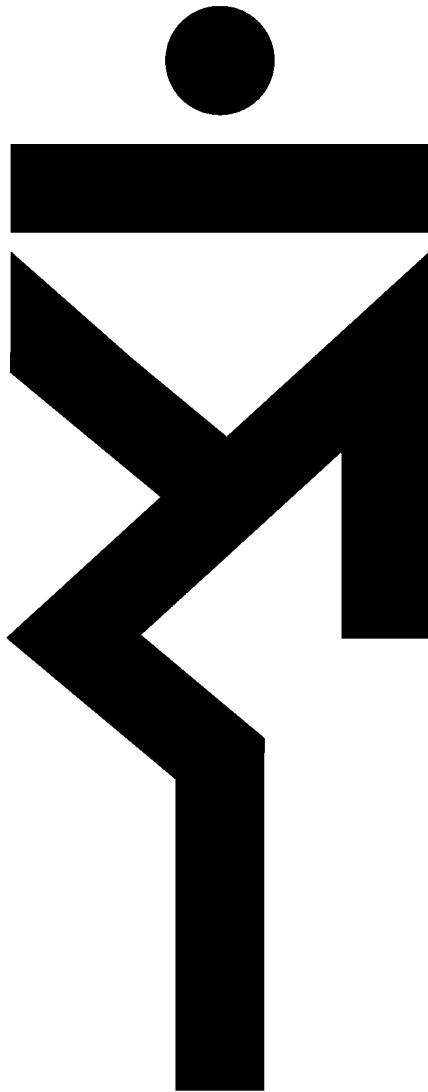
Subsection § 6 The Magnetic Core

1 An iron bar brought near the south pole of a solenoid in order to conduct current *RE* will be drawn inside of the coil. Tightening the wire around the (preferably soft) iron bar will produce an **iron core**. The low-reluctance magnetic property of the iron will concentrate more magnetic flux lines within its material than would air, and therefore strengthens the magnetic field of the core.

Subsection § 7 Magnetomotive Force

1 The magnetomotive force *MMF* is the helical force of spiral motion which accompanies the forward motion of a current flow *RE*. This *MMF* force is magnetically attractive in the direction of north. $MMF = (\# \text{ turns in the solenoid}) \times RA = \text{ampere-turns}$.

2 For a period of inflation, an increase in the *MMF* will produce an increase in magnetic field strength. The point at which an increase in the magnitude of the *MMF* ceases to produce an increase in field strength [# of magnetic flux lines] is called the **saturation point**.



APPENDIX

Note: Original Numeration of Titles and Sections
Reference **N.S. MAAT Natural Law Statutory Code**,
SESH SEPDET edition (2017) [Abridged]

Appendix Title 2: Conduction

SECTION § 1 Definition & Constitution of Conduction

1 Conduction, or **Conduct**, is the manner in which a body interacts with, or transmits the intention to act upon [i.e., to cause, or, to **waver** the magnetic field of], another body, to the effect of generating or radiating mass, either in opposition or in peace.

2 **Force** is the effect of cause, transmitted toroidally within a single body, or between two or more bodies.

3 A **body** is any constitution of **mass**. Force is equivalent to the energy produced by said mass in a right state. To be right is to be squared, to be light.

4 Right force transmitted between bodies to mutually generate and/or radiate mass-energy is *Ma'at*, and the Conduct is deemed lawful.

5 The act of deeming such conduct to be lawful is to measure the weight of the force being conducted between the acting bodies. If the force between them is right, then the benefit between the bodies will be mutual, and they will be recorded, or spoken, as such.

6 The force which is conducted between bodies is Electric [E] force. The State of Being which allows E force to pass between bodies of differing potential is its Magnetism. A body of any mass possesses a corresponding magnetic field, and therefore the ability to engage in right conduction.

7 E force [energy in motion] is the conduction of the intent to cause change to occur within one or between two or more bodies. The State of the bodies when engaged in the act of transmitting force is **Battery**.

SECTION § 2 Battery

1 A **battery** is any vessel consisting of two or more bodies, in which E force is converted into or stored as **energy** (E) and used as a source of power (i.e., to effect, to manifest a purpose).

2 To engage in battery is to transmit E force between two or more bodies. Each body or collective body-politic, in the context of the act of battery, is polar to the other, to the effect that their interests possess opposing 180° magnetic relationships to each other. E force is generated in high pressure zones and transmitted between bodies from higher to lower pressure zone. A **victim** of battery is one whose E force respective to either the contraction of the energy exchange or the cycle of the battery is being resisted past the period of right reciprocation (a period of ½).

3 Right Conduct is lawful battery.

4 Hostile Conduct is unlawful battery in which the victim had been bound to contract [to engage in battery] against the will of their party [magnetic pole]. Unlawful battery

implies the imbalanced extraction or exploitation of the energy of a body for the disproportional gain of another. Unlawful Battery is illegal in physics and illegal in the Sovereign State. The reciprocity for Unlawful Battery shall be an equal and inverse transmission of force at the limit of the arc.

5 Lawful Battery is exemplified in the Wasarian Tribunal in which Wasar, Judge, has received the Ba of Ra [E force] and come to peace with it. Such Conduct is *Ma'at*. In this case, the *medu neter* scriptures illustrate Wasar as a *Djed* pillar [column with four cells], i.e., backbone, or battery. Such is the Conduct of the Judge in the Tribunal, and the business of the Office of Tehuti.

SECTION § 3 Sovereignty

1 The body of the Human Being retains the Natural Right to Remain Inert, i.e., unengaged in contracts of battery. However, the Natural Order of Changes of State of economy, family, etc., force all bodies to engage in social and civil conduct. Hence, the Standard of Good Conduct shall be the practice of lawful battery.

2 No body shall be beholden to engage in Unlawful Battery, i.e., in a manner of conduct which produces and maintains against Natural Order [TITLE 5] a disproportionate gain [of mass-energy] for one and loss [thereof] for the opposing party. i.e., All acts of Conduction must follow a cyclic sine-waveform progression, which converts all energy from one party to the other into a reciprocal exchange of mass, and which energy, after being charged, is discharged to the Natural pressure zone.

3 A case in which energy is prevented from returning to its Natural pressure zone without the consent of both its

constituent parties [the participants of battery] is unlawful.

4 Any body maintains its right to assert its State of Sovereignty when engaged in Unlawful Battery of their person, resources, or lands, perpetrated by opposing parties against their will.

5 An increase in the value of energy being withheld in an Unlawful Battery of another's body—that is, energy or mass being withheld from returning to its producer—generates pressure to be discharged in the opposite direction.

6 Any State in violation of the Law of Battery is an Oppressive State and its victims remain in perpetual right of their Sovereignty from the unlawful acts which had and are being perpetrated upon the bodies of they and any of their Ancestors who have come into contact with the offending party.

SECTION § 4 Statehood

1 The **Statehood** of a body is the magnetic relationship which they pose within a field occupied by bodies of various masses. The degree to which said body is independent of engaging in conduct with the bodies around them constitutes their Sovereignty.

2 The body engages in any number n of States of Being internally or with other bodies (as it is generally impossible for a body to remain Inert in the 3rd Density Plane). Such engagements as are made consensually are well-conducted and lawful.

3 The Sovereign State of Being in which a collective body-politic engages in Good Conduct is called **Zion**, especially if that State (1) relates to that of the persons in general as being free from Unlawful Battery by a hostile

party [i.e., a Colonial State], i.e., a State of Freedom or Liberty; (2) is landed on the Ancestral, or Mother-, Land of said body-politic, from which they may have migrated, willingly or otherwise; (3) is experienced by the body-politic as an ideal or Eden to which those bodies aspire, even while living under a State of Battery in foreign or hostile nations.

4 The State of Battery in which a collective body-politic experiences an historical and/or perpetual assault upon and/or theft of their present and ancestral resources, lands, bodies, hearts, and minds by a hostile party is called **Babylon**.

SECTION § 5 Ma'at Conduct

1 C force, or Light, is the transmission of E force at the maximum wave-frequency (speed) which can be sustained by the Third Density Field.

2 Given that Battery occurs as a transmission of E force between one or two+ bodies of differing potential at a frequency n between the real values of 0 [inertia or blackbody] and C, a Lightbody (i.e., star), can be said to possess one body unified along the spectrum of its E transmission instead of as two bodies transmitting E.

3 All bodies maintain the Right to be Light. However, C can only be approached by a body traveling along a wave-spectrum toward the Source of its own transmission without resistance.

4 A body of mass density M approaches C when its vibrational frequency is amplified to the square of E and its resistance approaches blackbody [0].

5 The Order in which two bodies conduct the intent to cause change is Ma'at only when the two poles of the transmitting force act in opposition [at 180° to each other]

and alternate in Harmony around a shared and centered 0° axis. As such, a dipole [2x octave] force operating at 180° opposition must harmonize at 0° rest, or the square of n , to complete one 360° cycle.

6 Such is the Law of Magnetic Current manifest as the visual mathematical formula of (2:1) magnetic lay-lines [i.e., yin:yang::Tao] + Electrical-transmission; and (0/3) the neutral substance of mass [blackbody, ka].

SECTION § 6 The Heart

1 The **Heart** is the center wherein any balanced System [i.e., Battery] comes to rest, i.e., where the resistance of composite masses become at peace (*htp*) with the force of E-transmission and stabilize in the battery (as a *djd*).

2 E Force in opposition is expressed as a quantity and density [**weight**] of mass vibrating at E frequency [= n units +/- relative to 0]. Yet the battery does not dissociate from the radiant force of E due to of the contraction force of -E. Hence, at one half of the 180° field of opposition lies the point at which the repulsive and attractive forces of the dipole E-spectrum harmonize into one motionless and balanced center, which center is the Heart of the Battery.

3 E force at rest between two opposing states is as the Ba of Ra when it has been received by the Ka of Wasar.

4 If the Heart is not centered between these two opposing poles force then the battery is unlawful.

5 If the Heart is not brought to rest, according to the Laws of Harmony, between equally opposing forces, then the battery is unlawful [see Title 3 § 5 Harmonic Invariance].

Appendix Title 3: Judgement

SECTION § 5 Harmonic Invariance

1 Ma'at Law, i.e., the Standard of Right Conduct as Vindicated by a Tribunal of Good Judgement, is established upon the principle of **Harmonic Invariance** [i.e., the Law of Harmony], a quantum law of “strings.”

a. Linear: Given a line of reference length D , the pitch, or tonal frequency, of the whole, can be reproduced by dividing it at its midpoint to produce a ratio of 2:1. One half the double-octave D may then be subdivided into equitempered lengths of successive fractal frequencies. The process of **measurement** by which these small-integer ratio expressions of string length are isolated is **invariant** among bodies of varying mass.

b. Cyclic: Given a circle of circumference D , the pitch, or tone, of the whole can be reproduced by dividing it at its diameter to produce an expression, the square root of 2. A whole series of the frequency spectrum D is an octave cycle which carries the ratio 30:60::360:720. One octave cycle may be subdivided according to the laws described in the Linear case (a.).

1.1 These principles (a., b.) of harmony relate to one [1] whole body or body-politic as expressed both as a line and as a spherical plane, of which the former is the two-dimensional expression. Hence, all bodies, whether individual or collective, possess one double [2:1] octave image of their whole self. One half the octave-double 2:1 is the *ka* and the other is the *ba*, or, in some cases, one is the *ra* and the other is *ws ir*; or, in general, one is heaven, and the other is earth, and so on. These comprise the Double-Law, Double-Truth, *Maati*, etc. This pair of Truths comprising one [1] whole is also the significance of *DjHu / TeHu* [“measure”] + *ti* [“two”]. This is the essence of the practice of *smai-tawi*.

2 Harmony is the principle governing the conduct, [i.e., reciprocal interaction, the exchange of energy] between any body of a mass value n within a lawful battery. Harmony is a mode of governance, which is to say, it raises order from chaos [unquantified substance].

2.1 Unquantified substance is the infinite spectrum of frequency [potential mass expression] at rest, called a field of blackbody radiation, nu , N . It is the uniform infinitude of the pitch continuum. When a reference point D is isolated from N , $D=1$, and the subdivision or multiplication of 2:1 produces the series $n1$ through $n9$ and their ratios, called the $nTRu$.

2.2 When $D=1$ subdivided against itself into a series of equitempered integers—or—two or more resonating bodies of intervals $n1$ through $n12$ are engaged in a system of right conduct, the size of the main intervals can be expressed as small integer ratios 1:1 [unison], 2:1 [octave], 3:2 [perfect fifth], 4:3 [perfect fourth], 5:4 [major third], 6:5 [minor third]. Ratios have an inverse relationship to string length; e.g., two-thirds of a whole carries a ratio 3:2.

3 n carries the meaning of a tonal frequency value represented by an integer within a spectrum of integers produced by the balanced division of one [1] whole. [n carries this meaning as a standard of $mdu-ntr$ notation].

4 Any body D which possesses mass [energy resonating in opposition to a mean-line (center of balance, “heart”)] possesses a correlative resonant frequency spectrum equal to two reciprocal octaves [2:1] of even-tempered integers $n1-n12$. Any single whole body can be subdivided according to principles of this law.

a. Linear: The location of each integer in correspondence to the reference D produces a ratio expression; e.g., two-thirds of the whole [3:2]. The division of a body into constituent ratio-based tonal expressions follows the order of generation of

multiple bodies within a harmonic governing system; i.e., in female doubles, halved by male arithmetic mean to generate tone children; a series called a progression of **golden means**.

a.1. One [1] undivided whole is a divine unity [D], represented by an odd integer n . The division of [1:1] into [2:1] creates a matrix, or womb, in which permutations of unity manifest as multiplicity by successive sequential halving.

b. Cyclic: Ibid. In an equitempered system, the whole cyclic octave may resemble a zodiac. In western tuning the fellies are not evenly tempered. The perfect fifths of reference D [CGDAE] resemble the *Tuat* star when plotted in a chromatic wheel of the following rising integers $n_1 - n_{12}$:

D	-	eb	-	e	-	f	-	f#	-	G	-	G#	-	A	-	bb	-	b	-	c	-	c#	-	D
(+))	O+	O+		(.)		O>)	+)	+	(X)											
P1	m2	M2	m3	M3	P4	A4/d5	P5	m6	M6	m7	M7	P8												
1:1			6:5	5:3	4:3	++	3:2																	2:1

6 In the case of dividing or multiplying a body/politic D, an even-tempered series of integers n_1-n_9 in chromatic order [as measured according to 3 § 5 4.a.] is a just or right tuning system [i.e., government]. A body/politic possessing just tuning will produce good and true speech and engage in right conduct. The giving of good speech before a Judgement Tribunal will vindicate D. If it is measured on a scale of double octaves, it will (en)lighten the mean (Heart) and bring opposition force to rest in the balance.

7 One [1] whole [D] is equal to n raised to no [0] power. n° is equal to 2 raised to the power of n .

a. Linear: A line of length $D=n$ is one [1] octave double of its midpoint [$1/2D$]. Subdividing the octave length will produce successive rising or falling tones along a spectrum n .

b. Cyclic: A pitch reference [1] revolves evenly around its octave and returns to its tone of origin to produce a perfect cycle which now has a value of 2, having been squared, or increased in “mass”, one full “image” of itself: i.e, one octave [1:2]. This motion may be called a “swirl.” “Swirling” n “raises” it through degrees of tone and octave. Rise and Fall are complements of cyclic motion.

8 Harmonic Invariance manifests *Musica Universalis*, or Musical Harmony of the Heavenly Spheres, where the zodiacal whole is the chromatic wheel, the sun is the octave, and every planet represents a small-integer ratio based on distance from the octave reference [according to reference 3 § 5 4.b.].

Appendix Title 4: Natural Philosophy

SECTION § 1 The Study of Nature

1 **Nature** is all reality, being, and God. Her Word is coming forth (*prt*) into (*m*) being (*hru*). Her School is the Universe. Humanity is Her student body. We worship Her with scholarship; Our religion is Science. Our bodies are our Temples. Our Teachers are our Ancestors. We are enrolled in our Life-Course. This is the Curriculum of our Education. The Student hereof is a *Km/t*. A *Km/t* is one who is educated to live in harmony (*Ma'at*) with Nature (*Ntr*).

2 Afrakan Natural Philosophers and Scientists of Antiquity have redacted a Cosmological System of the Unified Field variety in which noumenal *yin* **Magnetism** (*Nu*) and its phenomenal *yang* counterpart **Electricity** (*Khpr*) form the pervasive force which bends waves (*Ra*) from inertia (*Amun*), curving spacetime, and binds their energy into orbital-interactive particle systems which comprise the substance (*paut*) of Nature (*Ntru*) in all of its manifestations.

3 All manifestations of Nature are the magnetic transformations of an ubiquitous and lasting field of blackbody radiation, from which dark energy (*Ba*) is harnessed from the black matter (*Ka*) and transmuted into light-matter by the **Electromagnetic force**. The Electromagnetic force operates using the same archetypal Laws (*Ma'at*) of change, or transformation, from the quantum/fractal to the solar/relative scale.

4 These are the things which Djhuti has said, which things comprise the Science and Philosophy of Nature

which will illuminate all Her Mysteries. He has weighed the Heart against that which is Light (*Ma'at*) and He has measured that which is True (*Ma'at*). He has dictated these precepts to be inscribed upon these pages and He has spoken them True-of-Voice (*MaaKhru*).

SECTION § 2 Methodology

1 **Life** is a **Course** in which one studies the Knowledge which they will apply toward their pursued degree of Wisdom.

2 The pursuit of Supreme **Wisdom** is comprised of 360 degrees of **Knowledge**. In order to obtain Knowledge, one must thoroughly **Understand** the subject matter which is presented in their Life Course. Once the subject matter has been understood, and the correlative Lesson has been passed, then the Student may obtain the correlative degree of Wisdom, and pass on to the next experience.

3 The subject matter of one's scholarship is organized into Lessons according to a **Curriculum** established by those who have studied in the **School** before them. The **Syllabus** is a System in which the subject matter of a Curriculum shall be organized.

4 It is most good for the human being to have instruction in the living of their life, just as it is most good for the **student** to have a syllabus during the precession of their course.

5 Life is a Course to which one must possess a Syllabus. Without such a guide, the Student will not know the Method by which they are to apprehend their Curriculum.

6 Mastery of the Curriculum of life depends upon a thorough understanding, analysis, engagement with, and

balance of all facets thereof. A holistic understanding of the disciplines must be borne out from their common origin in balanced human living.

7 A student must develop and maintain a **framework** or **system** by which they may organize a holistic understanding of the myriad facets of their life in order to achieve a particular **objective**.

8 **Methodology** is the step-by-step, systematic procedure of arriving at one's objective. It is the **path**, or *Tao*, by which one treads this life. One who has established their methodology and lives according to it possesses **integrity**, or *Te*, and is called righteous, or *Ma'at*, and is therefore a speaker of truth, or *Maa Kheru*.

9 Methodology is pedagogical, that is, it lays the foundation of the model by which the student meets their knowledge goals. Methodology is the blueprint, or structure, of the syllabus by which the student may apprehend the content of their life's curriculum. Pedagogy is the method of teaching.

10 Methodology informs theory. **Theory** is the framework, or system, in which one methodologically apprehends the primordial, unconditioned, and eternal truth called Deity, Science, **Nature**, or *Netjer*. The theory governs the organization and analysis of facts which are gathered to support the hypothesis of Deity/Science.

11 **Science**, as a discipline, is a method of procedure that has characterized natural philosophy since the 17th century, consisting in systematic **observation** and **measurement**, and the formulation, testing, and modification of hypotheses. The act of **weighing** and **measuring** scientific theories by this method provides the data-pool of facts by which one studies truth. Each of the above theories aims at truth, and uses the appropriate

available methods to apprehend it.

12 **Scientific method** and theory, therefore, holds as its objective supreme **truth**. Truth is desired because it frees the mind from ignorance. **Ignorance** is the state in which one incidentally or willfully ignores the truth. Such a person is a liar. The liar does not acknowledge the true state of things, often imposes his/her own opinions upon things, and thereby breeds chaos, confusion, and disorder, which things lead to the loss of life.

13 When one does not know the method of surmounting any particular obstacle, then it is not possible for them to develop a sound theory upon it; therefore such a one must assume things about the problem which are ungrounded and untrue, thereby leading them to failure in apprehending said problem, wasting their energy, and ultimately wasting that part of their life while not having acquired the wisdom from said experience which would allow them to more easily navigate similar terrain. This is what happens when one fails to use critical thought. The person becomes imprisoned by circumstances and chained by their ignorance. Therefore **freedom** is having knowledge of the truth.

14 Theory, therefore, provides the framework in which the knowledge of truth is apprehended by understanding and applied by wisdom. Theory is a toolbox, and the knowledge of the order and the use of those tools is methodology. When building a **house** of truth [i.e., constructing and establishing a lawful civilization, or system of positive battery], one uses their tools methodologically, according to the blueprint provided by acquired knowledge.

15 The theoretical framework, or system, contains the methodologies used for building one's house of truth. One looks at the blueprint to move forward with construction, yet goes back to the same tool box to extract the

appropriate methods for the appointed task. One goes back to the framework to go forward with their building; the framework [toolbox] “ties back” or “binds” the builder to their tools. The Latin *religare* “to bind” (or “piety”) is the root of “religion.” When building a house of truth, one utilizes their theoretical, or **philosophical**, framework to deduce the method necessary for the appointed task, and finds therein the appropriate tool. If one's philosophical toolbox contains only a hammer, screwdriver, ruler, and saw, then those are the methods which they must use to build truth, and the knowledge of the use of those tools is their religion. Yet another may possess table-saws, electric drills, and so on. Some religions are minimal and rely on human strength alone; others are elaborate and employ external sources of power. Both may be employed to build a sturdy house, depending on the wisdom of the builder. Hence, **religion** is the philosophy by which one methodologically comes into knowledge of truth, Deity; religion is the toolbox by which one builds and maintains their house of life.

16 One's philosophy informs one's **culture**. One who builds with hammers and nails needs only the strength of their body, and that is the root of their culture. One who builds with electric drills needs also a power generator, and that is a part of their culture. Muscle contraction and electricity are both sources of **power**. Therefore culture, informed by a particular necessity of methodology (religion), is both empowered and empowering. **Cultural philosophy** (religion) breeds power among the people.

17 When the power of the people is applied to the methodology of their building using their cultural philosophy, then **balance** exists. That is to say, one who builds with hammers and nails uses not his energy to purchase electricity, but rather maintains the vitality of their muscles, and applies their tools to their task, reaping the benefit of building their house of truth without incurring a disproportionate loss of energy. This

reciprocal relationship of acquired knowledge applied to an existing framework using the necessary methodological tools to build a house is **harmonious**. The amount of effort exerted is directly proportional to the progress of the building.

18 When harmony is at play, and maintains its balance, then the work of the system is executed most efficiently; it is perfect, and the truth which is now constructed is prepared to house the Lord. The building is now **established**.

19 When the building is established, the people then have the choice to **build** upon it or to **destroy** it. The decision of the people will **manifest** or give **birth** to the system again; that is, when the house of truth is constructed, then it will be an image of the blueprint which was used to build it. Therein will the system come full circle, as in a **cypher**.

20 The blueprint which was designed based on previously acquired knowledge, effectively understood and wisely applied to materials, will result in an **image** of itself increased in space, or **squared** (as from a line to a plane, or from a plane to a form). Therefore the result of (knowledge, wisdom, and understanding) applied to (culture, power, and balance)*(establishment, purpose, and manifestation)= Truth^2 . The manifestation of truth is the result of sound scientific theory applied methodologically to a task or problem.

21 The scientific method is a religion (i.e., cultural philosophy) used to “bind” the student/ builder/ scientist, back to the methodology which is most appropriate for apprehending/ constructing/ discovering supreme truth within their framework.

22 The scientific method proves (to be true) a **hypothesis** (informed by historically acquired truth) using weights

and measures of materials, or facts. A hypothesis begins with a problem, a question.

23 Science is the method of Deity, by which it manifests truth to those who perceive. Humanity, should it perceive the operation of this methodology from its Source in the macrocosmic lab of the Great Scientist (the Measurer *Djhuti* who makes latent Truth known) can replicate this method on a microcosmic scale to ascertain truth and thereby obtain knowledge.

24 The question which our most famous religions pose is “What is real?”; “What is 'to be'?”; “What is Deity?”; “What is Truth?” To know is to be, to be being, and to be existent. *Auset*, or Isis, is the Deity which bears forth being into the light of day (in the form of her son *Heru*). Therefore, to be, or to be existent, is to know the light, hence, to be born from the womb of Isis.

25 That which is borne into the light is the Deity *Ra*, or *El* in Canaanite/ Hebrew. The letter “L” in the language of the Kemetu from which all world languages are derived is represented by the letter “R” (rolling tongue). Therefore *El* is *eR* and *La* is *Ra*. *Ra*, deity, is existent being born from *Isis*; therefore *Ra Is*, and that is the Truth which all the methods of science seek to understand.

26 We come to know deity via the scientific method by asking, “What is Ra El?” = what IS-RA-EL. Otherwise stated, “What is Ram (Lam)?” = what IS-LAM. This is the purpose of religion in its purest, most uncorrupted sense: to serve as theory in which the student of life methodologically unveils the Mysteries of Science.

27 To answer this central question by constructing a theory using a method of one's own is every student's objective in this life. It is the key to Freedom, lest you remain ignorant, and blind.

28 It is good to know *Seba*, or Wisdom. To **learn** is to be critical, that is, to **listen**, understand, and **judge**. The only requirement to Knowing the Mysteries of Being is deep, **critical thought**. With this one tool, we can build a house of culture with truth as our foundation. Thereby shall we live according to *Ma'at*, Supreme Knowledge, Supreme Wisdom, and Supreme Understanding. If you seek to learn what IS-RA-EL, *Djhuti* will tell you. Call on him. He knows what IS REAL. He has measured twice what is perceived and he has spoken them into being. He will tell the truth to those who hear. He has sent his Teachers, but many have not heard them.

SECTION § 5 Principles of Lawful Conduction and The Rise of Order (or, Theocratic Statesmanship)

1 Wasar in the Tuat is the model of Sovereign Statesmanship representing the faculties of the consciousness of the Human Being and the exercise of Good Judgement on the individual and on the interactive (battery) level.

2 Ra in Heaven (that is, appearing to pass over and around the earth) is the model of Sovereign Statesmanship representing the Human Being's right to government by divine rule;—that is, by a government in the model of the *PauT nTRu* [the order of forces who are in the company, or boat, of Ra], also called: *Abosom*, *Orisha*, *Vodou*, *Arusi*: “Spirit-forces of Creation animating Nature”; n degrees of spectrum u .

3 Civilization is the act of engaging in the Order of the *nTRu* forces which come forth in the company of Ra, or, the act of *Ra-ising* [raising] Order out of “Chaos.” The Order of the *nTRu* is the set of values for the frequencies of sine-wave conformities within a spectrum of n pressure zones; where $n=8+1$ or $n=9+1$ depending on the model; and $u=n$ to the power of n .

4 R [Ra] is the Force which gives/transmits/bends energy E through a magnetic field M, thereby giving Order to the field of blackbody radiation called “inertia,” or neutral disorder N.

5 High or Right Civility [lawful battery] conforms to the Natural Order n of MER Law within given MN field-density. The order of nTR within MN is MAa.

6 R force E approaches the limit of C when M offers no resistance to E. $RE=MC^2$. Any M with a resistance n is T. Any EM force R possesses a current density I (A).

7 RE force concentrates as light-mass MC in capacitor ITn (the sun disk) and engages in lawful battery with the earth-mass TNn [mass out of inertia; risen land]. The magnetism M of ITn registers the capacitance of the system $ITn-RE$ that allows for the mass TNn to occupy the natural nTR pressure zone for E and thereby support life and generation.

8 The site B of mass ITn (the sun) for force RE is the North-pole/center of the battery while the site K of mass TNn finds its natural pressure zone in the South-pole/perimeter. E transmits from South to North by East and back by West. Therefore, a divine ruler [i.e., $ITn-RE$] measures revolutions per cycle of generation for all bodies within its magnetic field.

9 RE current passing through a mass-resistance nT within a MAa-T pressure zone is RAM current. In a stable, balanced battery D (i.e., civilization) every body of mass [comprising the total mass nT of the body-politic] comes to rest within the cycle of its natural pressure zone according to RAM and RE current ITn .

10 Any mass T which comes to rest against force RE within a stable cycle of MAa-T is WSIR, where $W=u$ and $S=dipole$ electric force in opposition, i.e., wave.

11 The Tribunal wherein is measured Nn (the place of balance, or neutrality, at the center of T), i.e. the Heart, of waveform S is the seat of force R when in mass T. The weight of the Heart is found by measuring the resistance of T to C. Hence, the Tribunal takes place “hidden” within mass TNn , i.e., in the Secret Chamber.

12 When force R is vindicated from the resistance of mass T, then it will approach C in the positive direction of ITn .

13 Given a system of governing bodies according to Right Conduct [a lawful battery, a civilization], it is good to note the order [MAA-T] n by which inert mass N conducts force RE through magnetic field M into mass T within a system approaching C.

14 H is the boundary or “house” of the limit constant C.

15 The force which initially conducts ES sine-waves into lawful MAA mass nT from N is KPR, where K=magnetic mass-potentiality.

16 The force which gives growth u to T by amassing waves MAA is PTH.

17 The total potential force Nn + total RE force K of magnetic field H is current IMN.

18 Here follow several natural models by which n approaches C within a system IMNT.

SECTION § 6 Natural Models of Order

1 The Kmt Cosmologies comprise a Grand Unified Field Law developed through measured, mythical, pre-rational, and proto-rational scientific methodologies. The following models of personified attributes of mathematical functions ($Ntru$, etc.) codify the physical processes of mass

generation.

2 The **Khemennu Hermopolitan Cosmogony** defines the hidden Ogdoad ($n=8$ values of quantum waveform) which exists in the Primeval Waters of nonpolarized magnetic (dark) lightwaves:

[n1] NuN & [n2] NuN-T, the Waves;
[n3] HuH & [n4] HuH-T, the Limitlessness;
[n5] KuK & [n6] KuK-T, the Darkness;
[n7] IMN & [n8] IMN-T, the Hiddenness.

Described as aquatic frogs and snakes, respective of male and female sex, who, when in convergence i.e. unity, are said to produce the pyramidal mound from which comes forth the Son into the Day. The primeval mound is also called “*ka*,” raised or exalted land. The *medu* for *ka* is both dismembered raised arms and the raised arms of a human figure; hence the concept “raise up the god from the waters.” Vibrations below (i.e., earthquakes on the ocean floor) caused the mound to rise up out of the water. The mound is the flesh, house, or “*af*”/“*afu*” of the life force energy “God” “*Ra*”/“*Rat*”, which enters the mound (as sun rays) and courses through it begetting living things (his/her children). The mound also represents the Dogon God Amma's termite hill. The Dogon conceive of the Christ-like saviors and messengers of humanity as a pair of half-fish-beings called *Nummo*.

3 The **Dogon** people of Mali, etc., modern West-African descendants of the Pharaonic Napata-Khmtu, conceive of their God *Amma* as a ball composed of four conjoined clavicles (ovoid grain shapes) which signify the four elements (*kize nay*, “things four”) and whose bisectors mark the four cardinal points (*sibe nay*, “angles four”). In Dogon *dogo so* language, *amma* means “to hold firmly, to embrace strongly and keep in the same place” (Griaule & Dieterlen, *The Pale Fox*). Herein lies the general cosmogonic conception of the One and First Thing, Lord

God Almighty (in Kemetic *mdu ntr* language, *ntr nb r' tcher*): One thing is four things of two sexes which are maintained as a singularity by a contractive force. Within this symbol lies the image of eight things [4(2), Ogdoad], nine things [1+4(2), Ennead], an axis (or cross), four quarters of a circle, etc.

4 The ***Iwnw*** (Anu) **Heliopolitan Cosmogony** defines the Ogdoad of Hermopolis [*n*TR=8] as the *n*TR ITM [*Atum*], who is *n*1 to emerge from the primeval mound of *n*TR=8 [*Ka*].

[*n*1] ITM begets another, manifest Ogdoad. This second Ogdoad + [*n*1] ITM generates a sequence [*n*=9] which represents the cosmic, terrestrial, and human life-forces:

[*n*2] *Shu* and [*n*3] *Tefnut*,

[*n*4] *Geb* and [*n*5] *Nut*,

[*n*6] *Ws ir* and [*n*7] *Ws het*,

[*n*8] *Sutekh* and [*n*9] *Neht Het*.

5 The ***Het Ka Ptah of Men Nefer Memphite Cosmogony*** defines both the Hidden [*n*=8] and the Manifest [*n*=9] as the creation of the Mind and Word of the *n*TR PTH [*Ptah*], when the desires which he developed within his heart (mind) were given form (mass) when he spoke (vibrated) their names (waves). In the Tribunal of *Wasar*, the heart of the Defendant is weighed against a feather symbolizing the lightness of truth (*ma'at*) by the *n*TR THuTi [*Djhuti*] whose name means “to measure twice.” Therefore it can be said that *Djhuti* declares or speaks the weight of truth (*ma'at*), or, the Word, which is then judged against one's heart, or soul, by the Judge *Ws ir*, who is established, or who sits, upon *Ws ht*. It is useful to also note that the phonogram for the *mdw R* [*Re, Ra*] is understood to be an image of a mouth.

6 The ***W'st (Waset) Theban (Ta Apet) Cosmogony*** defines the aforementioned *n*TRu [*n*=8; *n*=9; *n*=18] to the supreme *n*TR IMN [*Amun*], who is considered hidden from, or hidden within, all of the *n*TRu. All Companies of

nTRu, therefore, are considered complete waveform attributes of *Amun*, who is called by the *medu R* when he is vibrated, i.e., spoken, i.e., perceived. Therefore he was considered the “supreme” “god” (*Neter Sekher*).

SECTION § 9 Walter Russell Model of Conduction

1 NS recognizes Light in the following words of Walter Russell, an artist who began to study physical science after an encounter with “the spirit world” in order to further investigate his experiences and ideas.

WR1 *The Universal One* by Walter Russell (1926), New Laws and Principles:

WR2 All idea and all forms of idea are the result of union between equal or unequal opposite actions and reactions of force. Unions of opposed actions and reactions are possible only within certain limitations. When union does not take place there can be no reproduction.

WR3 Equal and opposite actions and reactions, when united, are satisfied in their unions and will remain united [& inversely]. Stable unions will always reproduce true to species [& inversely]. Unstable unions tend to return to their separate tonal states.

WR4 All mass is generated by accumulation of the universal constant of energy into higher potential. All mass is regenerated by absorption of the impacting radioactive energy of all other mass.

WR5 All mass is degenerated by its own radiation. That which is generated must be radiated.

WR6 All opposite effects of motion are simultaneous in their expression. Every pressure develops an exactly equal and opposite resisting pressure. The generation of all energy is accomplished only through the resistance

exerted against the direction of the force of any established motion.

WR7 No state of motion ever began or ever ended. The degeneration of any mass is exactly balanced by the regeneration of another mass.

WR8 All mass is both electric and magnetic. All electromagnetic mass forms into systems of units which revolve in spiral orbits both centripetally toward and centrifugally away from nuclear centers. Electricity attracts, magnetism repels. They depart from each other in opposite directions at 180° . Electrical lines of force approach each other at 180 degrees and reproduce themselves by induction at 90° . Positive charge attracts positive charge and expels negative discharge, which repels both negative discharge and positive charge.

WR9 All Positive systems are preponderantly charging [revolving], contracting, decreasing volume, increasing potential, integrating [attracting], generating, heating.

WR10 All Negative systems are preponderantly discharging [rotating], expanding, increasing volume, decreasing potential, disintegrating [repelling], radiating, cooling.

WR11 All mass is potential out of place and constantly seeks the proper pressure zone for its constantly changing potential. All mass is generated and regenerated by a contractive pressure exerted in the direction of its gravitative center.

WR12 X in power-time dimension is equal to the square root of X in speed-time distance-area dimension and its cube root in volume.

WR13 All motion begins in the +, contractive, endothermic impulse of thinking, and ends in the

succeeding -, expansive, exothermic impulse.

WR14 Every mass has the relative apparent ability to attract and to repel every other mass, depending on its relative force potential in accordance with its potential position in the universal ratio, and according to whether its direction is toward the north [center] or south [perimeter].

SECTION § 10 The Quantum Cosmology of Coming Forth by Day

1. All reality that is perceived is a waveform at its root. All things which appear are as changeable as water. Color, sound, texture, and all other sensations perceptible to the five physical senses are waveform expressions of electrical potentiality within a magnetic field. A waveform at rest generates no conditions of being.
2. When the waveform is displaced from its resting position (by causal force) it bends its flat geometry according to its capacity to transmit force and assumes magnetic properties which cause it to emit signals of charge, spin, color, etc., by which it may be perceived. Unrest, or excitement, manifests a polar magnetic field.
3. When the waveform is perceived by a signal-receiver then a bond is formed and the wave's magnetic properties are crystalized for the period of interaction during which it is perceived, i.e. as matter (mass-energy potential) existing in time (spectrum / duration).
4. The presence of mass-energy warps its magnetic field and curves spacetime; hence, the generation of such magnetic potential will cause the bending force to act upon the relative field. The bending force will excite the quantum magnetic substance of the field, draw it into the positive pole of the field, and bind it into positive and

neutral energy-units, creating a controlled center of generative magnetic potential.

5. Under such conditions, energy-units in relative proximity to the magnetic center of the mass-energy spectrum will interact with the positive slope of the field per magnetic conditions. Such an energy unit, called an electron, will assume a “negative” interactive polarity relative to the positive magnetic center, called a nucleus. The electron orbits a nucleus at a particular frequency designated by the strength of the magnetic field, which produces a correlative sound and color, dimension and velocity, etc.

6. All appearance is the evidence of a specific quantum condition which can be expressed as a waveform. Therefore reality is a crystalline state of ionic interaction “solidified” by perception, while magnetic waves represent that same potential reality in an etheric, unrealized state. Ether, or space, is condensed into matter by magnetic force drawn toward its geometric center.

7. By this methodology, all Systems are composed of a “positive” condensed material center exerting a magnetic field which bends a “negative” etheric shell into orbit around it. [7.i.] These are called *Hadit* and *Nuit* in A:A:., respectively.

8. The earth itself is the “solid” crystalline state of the electron-dense stratosphere which encompasses it. In this system the earth is the nucleus and the ionosphere is, literally, the electron cloud. Because the ionosphere is at the edge of the earth's magnetic field, and thus registers and reflects the magnetic activity which occurs on the surface below it, it is called Heaven in the scriptures.

9. By implication, the substance which generates matter in a system (electricity) is itself a form of matter in its most energetic state. The substance is transmitted into matter

by condensation of its matter and conductance of the relative magnetic field.

10. Electricity condensed and stabilized is light (or, produces light as a byproduct of contraction). Light produces gasses; gasses produce water; water produces solids.

11. 010717 The whole of the universe is always and eternally in motion, yet the sum total of motion in the universe is rest. i.e., The most polar motion, even in its most energetic state, is neutralized by a discharging, complementary motion, i.e., its equal and opposite reaction. Therefore every motion $+x$ is accompanied by a complementary motion $-x$, thus always rendering a sum of 0. Even the total condensed mass of a Singularity *Hadit* is harmonized by the total black mass of its event horizon *Nuit*.

Appendix Title 5: The Unified Force Field

0. KNOWING NOTHING. It is said that the wise know nothing. Let me now make one thing clear. Only nothing can be known. All things may only be understood. The fool knows everything, yet he does not know what it is Not.

1. KNOWING NAUGHT. Knowing Not is Knowing that Naught is the Source of the Bending Force.

2. THE WAVES. Naught is the concept of inert waves (*nu*). The substance of waves is magnetism. The substance of magnetism is its potential to generate force by accumulating pressure. Inversely, electrical discharge is the transmission (*ra*) of that potentiality (growth of pressure) to a zone of lower pressure.

3. POTENCY. Potentiality is the power of cause needed to generate magnetic pressure in *Nous*. It is inversely related to the amount of force needed to harness energy from its static medium (i.e., inertia, rest). The difference between potential (noumenal) and actual (phenomenal) energy (i.e., the amount of force required to disturb “inert” waves from rest) is called the critical mass, *m*. Mass *m* is generated from quantity of energy *E* when magnetic pressure accelerates a quantity \sqrt{m} of inert dark matter (water) to the speed of light, *c*, squared.

4. MAGNETISM. The potential to generate energy is a sine-waveform signal called magnetism. Magnetism is the force that bends potential, noumenal, dark energy from rest into motion toward the speed of light, *c* (center of magnetic perimeter). The accumulation of magnetism gives probability actuality, gives stasis momentum. It warps the curvature of space-time according to the degree of its force. The realization and transmission of energy contracts the waveform probability of force into a

moveable force-particle called a quark (*ka*) or lepton (*ba*).

5. HIDDEN. Waves of insignificant magnetic potential are called “inert.” Inert waves appear as “straight” lines, and because they “possess no vibration,” they are not perceptible to the light of knowledge. However, to say that inert waves possess no vibration is inaccurate because nothing in the Universe is at absolute rest, or else there would be no magnetic potential to generate light from dark energy. The Universe maintains a uniform minimum degree of vibrational activity called blackbody radiation. This radiation is black because it is undetectable unless the magnetic presence causes it to manifest itself in light. The blackbody is the hidden matrix of reality.

6. WU-WEI. A Wave of significant magnetic potential possesses an amplitude and frequency, or vibration, according to its capacity to replicate its force (pressure). The force-potential of a magnetic wave is a factor of the force which caused it, divided against resistance. The causal vibration transmits itself through space by bending lines of magnetic force along the path of least resistance. In transmission, this signal appears as a wave. Hence, increase in force-potential (pressure) corresponds to an increase in vibration. Increase in vibration conveys an increase in magnetic potential (growth), hence a higher potential to manifest energy.

7. OM. A waveform is a register of magnetic force. Magnetism produces kinetic motion which produces a vibration whose frequency increases with momentum. Increased frequency correlates to increased wave density (mass) and pressure. The generation of pressure increases the reactivity of energy which has accumulated compaction in a given field. The fusion of magnetic energy under pressure increases the potentiality of energetic manifestation (photon emission).

8. DIFFERENCE IN POTENTIAL BETWEEN FIELDS. Given a

plane, a high ratio of magnetism in one area relative to its surrounding area creates a difference in potential between the two areas. Difference in potential “bends” the magnetic field of the plane toward the area of higher magnetism, and produces a concentrated positive charge in the geometric center thereof.

9. SPACE. Space, or ether, is the blackbody medium of energy. Potential energy is evenly distributed in a neutral volume of space. A given unit of space, containing any distribution of potential energy (*ba*), is called *ka*. *Ka* contains potential energetic force which converts into kinetic force when it comes into contact with an area of magnetic difference in potential.

10. WAVEFORMS. Units of potential energy exist in sine-waveforms called electrons (a type of lepton), or *ba*. A sine-wave is “s” shaped like a snake or a wave of water. When it is excited it assumes a “z” formation, as in electrical current, or *nu*. The electron is only conceptually a particle, a form caused by contraction of the probability-function of the waveform during an isolated moment in time. However, in duration, an electron is always potentially anywhere, and is only somewhere after it has been contracted by perception; hence it is essentially a waveform. The waveform represents the conditions of probability under which said energy may manifest, but the energy does not exist in time until it is realized by motion, or transmission.

11. TRANSMISSION OF POTENTIAL. *Ba* energy is transmitted via a waveform trajectory called *ra*, but it will only be perceived as a particle when it is observed under the conditions of duration, or time. A difference in potential between magnetic fields will cause the *ba* to be transmitted into the positive pressure zone. This action is called the Bending Force because it bends potential energy into motion.

12. ACCUMULATION OF POTENTIAL. An accumulation of

potential force units in space bends the magnetic field of its plane and creates a positive pressure zone. This bent, warping effect conducts units, or waves, of potential energy from the surrounding negative space into the positive geometric center of the affected area.

13. EFFECTS OF ACCUMULATED POTENTIAL. As a result of difference in potential across an area, the magnetic field “slopes” into the positively charged pressure zone and collects potential force, as in a basket or reservoir, as in *ka*. The accumulation of force makes waves “contract” into a geometric pattern called a vector equilibrium, which builds pressure within a controlled area.

14. POTENTIAL IMPLIES PRESSURIZATION. An increase in energetic potential within a high-pressure vector field correlates to an increase in wave amplitude and frequency, which increases the waves' potentiality to manifest in actuality (atomic mass). A critical mass of magnetism produces electricity, and a critical mass of electricity creates light (photon emission).

15. ACCUMULATION OF CHARGE AND PRESSURE. Magnetism generates a difference in potential between areas which thereby manifest as positive and negative pressure zones. The attraction of the positive pressure zone accumulates electrical charge from the surrounding negative pressure zone and collects this substance within a controlled volume, thereby building pressure.

16. DISPLACED PRESSURE ZONE. The area that is gathering charge as a result of its magnetic conditions is said to be in a high pressure zone. The magnetism has been displaced from the surrounding negative space to the central positive space, and the field system has now become unbalanced.

17. ACQUISITION OF POTENTIAL. In the presence of a positive magnetic field, a “neutral” zone of space will

assume a negative charge and discharge its resting *ba* energy into the positive *ka* of the vector field. *Ba* energetic potential is omnipresent in *ka*, only differing across area by charge and degree.

18. THE PLACE OF GENERATION. The force which bends waves from low or neutral pressure zones into generative zones of positive pressure is centripetal. The motion draws “straight” “inert” lines of force which enter its magnetic field across the event horizon (surface) of a vector equilibrium wherein the force is spiraled centripetally and bound into energetic units of mass. At the center of the vector field the bending force compacts these energy units by fusion to increase atomic mass. The energy is then discharged from the center of the mass centrifugally as photons.

19. VECTOR FIELDS. The geometry of lines which allow the magnetic force of a field to accumulate disproportionate pressure in one (central) area is called a vector equilibrium.

20. QUANTUM PARTICLES ARE REGISTERS OF POTENTIAL. Pressure is the result of the distribution and orientation of quantum particles called quarks. They have 6 orientations distributed across three scale generations: up & down, top & bottom, and strange & charm. They possess electric charge, mass, color, and spin. Therefore they are units of potential force, *ba*. These force units potentially exist and move as a waveform probability function through the medium of space, *ka*.

21. THE BINDING FORCE. Certain orientations of quarks collapse probability into reality and combine to form stable sub-atomic energetic units called protons and neutrons. Protons are formed by the strong magnetic interaction of up-up-down quarks in triangular geometry and neutrons are formed by the inverse. The inherent electric charge of quarks compels them to form these

kinds of bonds because all *ba* dark energy maintains the potential to assume charge even when contained within *ka* black matter. Such potential will turn kinetic when oriented to conduct energetic current along a vector line relative to its complementary, receiving pathway.

22. THE BINDING FORCE (CONT.). The “strong” Bending Force units bind these energetic units together like glue. When this occurs, the proton generates a positive difference of potential in the center of the magnetic field which keeps a certain number of energetic force units in orbit round it, relative to its mass. Bombarding a positive magnetic center with similarly-charged energy-units increases its positive magnetic force and thus its potential to increase mass. This type of charged unit of space (atom) accumulates mass when it gathers positive charge in the geometric center of its volume and discharges light energy-units to its perimeter. The faster this occurs, the greater the mass. In contrast, a neutral unit of space possesses a fixed, balanced distribution of force-particles which may be combined to increase magnetic charge and build pressure.

23. THE FABRIC OF REALITY. An area that is inert is in a neutral or low pressure zone, and possesses the geometry of a cube. A neutral magnetic field in space may be visualized as a three-dimensional matrix of cubes (a grid). Quantum particles of energy (i.e., mass subsisting in waveform potentiality; electrons) are evenly distributed on the vertices / axes of each cubic unit.

24. CUBE. A cubic unit of space has 6 square faces, 8 vertices and 12 equidistant edges around a center point of dark space enclosed within the volume. When the plane is neutral, the potential energy units are distributed evenly along the 8 verticals. Within a field of x units of space, energy is uniformly balanced along the axes of the geometry, thereby balancing relative charge.

25. COLLAPSE. When magnetism is introduced, or caused to act, relative to a cubic unit of space, the contractive force of the magnetic field at critical mass collapses the surface-volume of the cube into a point, and its planes fold into radiant lines of force (with length and direction) called vectors. Cubic geometry thus inverts into cubeoctahedral geometry. The compression of surface area into vector force squares the surface area of the unit. This “folding” of dimensions squares the surface potential of the principle unit from 12 to 24 identical lines of force along the edge.

26. CUBEOCTAHEDRON. The neutral geometry of space is cubic and the magnetically positive geometry of space is also called a cubeoctahedron. This geometry is the prime root function of the generative centripetal Bending Force operating on the vector equilibrium. It has 8 triangular faces and 6 square faces. It has 12 identical vertices, with 2 triangles and 2 squares meeting at each, and 24 identical edges, each separating a triangle from a square. This increase in lines of force along its surface allows the field within to accumulate pressure around its center-point.

27. TORUS. The motion of waves within this vector field is toroidal, and is conducted by the direction and force of accumulating potential energy being drawn from its original “flat” state (neutral/non-interactive) into the positive pressure zone of the magnetic field. The accumulation of force in the center of a vector field builds pressure within the system. Energy is drawn into this center (the singularity) along the 12 lines of force radiating from the center-point. The event horizon of this system is its 24-face surface, which exerts a positive magnetic field.

28. TORUS (CONT.). When a vector equilibrium occurs within a neutral cubic volume of free-space, the resting energy distributed evenly within this volume becomes magnetically drawn into the center (singularity) of the

vector field. This energy is said to be bent from its resting plane toward the geometric center of the positive pressure zone. The energy E flows along the faces of this closed geometrical unit, through its positive pole, and into the singularity where fusion binds quantum E waves into particle units. E units combust within the singularity of the centripetal spiral, increase the atomic mass of the positive pressure zone, and discharge as photons.

29. MAGNETIC PRESSURIZATION GENERATES LIGHT FROM DARK MATTER. Dark matter in the form of Ka contains potential energy in the form of Ba . When the dark matter is attracted by the magnetic bending force of a positive vector field, the Ba energy activates and transmits in the form of Ra . The dark matter is absorbed into the center of the field by the centripetal bending force, the dark matter fuses with the accumulated matter, it gives up most of its quantum mass, and the dark matter is discharged as positive magnetic light matter. The light matter will now go on to re-acquire its mass by the reverse process.

30. LIGHT IS THE SUBSTANCE OF MASS. Light is the substance of all things, gaseous, liquid, and solid, along a spectrum of increasing mass. Light moves through a medium of blackbody magnetic space (ether, or ka). Mass is a quantity of magnetic force-pressure per unit of space. Matter is defined by the mass-energy of light per unit of space.

31. LIGHT CRYSTALLIZES IN SPACE. Space exists both as an etheric and crystalline substance, which state will affect the resistance of light passing through it. Light crystallizes in space when the mass of the medium becomes sufficiently dense to resist its transmission.

32. WAVES OF MASS. Waves are the state in which matter subsists without atomic mass. In the absence of mass, the magnetic field remains neutral and unperceived, therefore “inert.” Matter is perceived when (magnetic) potency is

generated into (electrical) energy by the Bending Force. The magnetic field bends around the vector equilibrium to conduct said energy into the center where it will be made known.

33. WAVES PERCEIVED. Waves are lines of potential force which remain unperceived until their potential energy units are magnetically accumulated toward a critical mass m per unit of area. When this accumulation of force m collapses the orientation of cubic blackbody space into a cubeoctahedron (vector equilibrium), then light is made known in the center of the magnetic field.

34. WOMB. Potentiality exists only in the Womb and the Mind. When those things which may potentially become are stimulated by an impetus, then they may be gotten. Naught is the Womb of all things which are to become known, i.e., which are to come forth into the Light of Day.

35. NOUS. Naught is Nous. It is the subconscious Mind of creative manifestation.

36. AN O THING. Naught is nothing, but it is not empty. Nothing is “an O-thing”, or a whole thing, whereas something is the whole only in part. Nothing is where everything is before it is differentiated from itself.

37. INEXISTENCE. All things are complete and undifferentiated in Nothing, so to be Nothing is not to be without the things which are, but to be all without knowledge of being those things. Therefore, Nothing is not in existence, yet still is Naught in existence, having the potential to produce all things, while not yet being anything.

38. NOUMENON. Naught is the concept of what is unperceived, or that which precedes cognizance. In the Nous, there is intelligence in the form of neutral

magnetism, but there is not yet the force which bends the magnetic field into the center whence it is made Known.

39. PHENOMENON. Nous is Known by the force which bends the inert waves into higher pressure zones of accumulated potential force per unit of space. The force, or act, of Knowing comes forth from the unperceived place when Naught conceives Truth by sloping its magnetic field between areas of different potential.

40. KNOWING THE TRUTH. When Truth is conceived by the magnetic accumulation of potential energy, then the bending force by which potential approaches reality will reach the critical mass of light; and the light will illuminate and bear forth that which becomes Known.

41. IMMENSITY. The Naught is the most vast place containing all of what is Known and Unknown. We perceive without from within the place which is Known in the Naught. What we perceive is light, and in light is all that can be known, i.e., all that can exist in manifest reality. That which makes Naught Known to perception is the Bending Force.

42. THE BENDING FORCE. The Bending Force is in the Naught. It is a sustained Force which is constantly in motion, transmitting itself through the Naught, but it is not everywhere therein. There are places of higher pressure which are made Known by the presence of the bending motion, and there are places of lower potential which are Naught Known in its absence.

43. THE BENDING FORCE (CONT.). The Bending Force is transmitted on account of its own non-diminishing Divine Life-Force (*ra*) from places which it has made Known to places which have Naught yet been made Known. Knowing Not is thus Knowing that from Naught what shall be made Known soon will come forth.

44. **THE WAY.** The way by which the Force will come forth into Knowledge is along the Path from whence it came from being Naught Known. The Path is transmitted from the Unknown place into the place where it will become Known. Here, the Force is transfers potential energy from high to low pressure zones among the waves which lie in the Path of its inherent and sustained motion. This Force upon the Waves which lie in the Path is what causes them to be Bent by the act of its transmission.

45. **SOURCE.** The Bending Forces the Waves which are Naught Known into Perception whereby they are Known. Yet there is no Source of that which Bends the Path of its transmission into what is Known; i.e., there is no source of that Force by which Waves are Bent.

46. **MAKING THINGS KNOWN.** The Bending Force is an eternal, oscillating Truth, trading favor with magnetic space depending on the slope of the landscape, at times bent and known, and at other times unbent, unwavered, and unknown. Wherever it is transmitted shall that previously Unknown place be bent into Knowledge.

47. **TIME IS A RESULT OF MOTION.** Bending begets a slope in the field, and the slope begets a cycle in which force lines rise and fall into their target pressure zone. The Cycle begets time and temporality begets motion. Motion begets a Path before and behind the Force which acts on it.

48. **TIME... (CONT.).** When the Force begins its work upon the waves of magnetism, then the accumulation of force in the target pressure zone begets cyclic time which begets duration. The Bending which has taken place will be sustained and increased along the path of duration in the direction from which the Force came forth.

49. **MAKING A WAY FORWARD.** The Path is made when the Great Force is transmitted through the field. The Path is

bent forth into Waves by the Bending Force. The Waves are, and the Bending is. They trade favor in even pace, returning one to the other, and through the phases of harmony and dissent. By temporal and temporary conditions are Waves Perceived by the Bending Force, or is the Bending Force made Known by the Ways in which Waves are bent.

50. THE ETERNAL PARENTS. The Path of Waves and the Bending Force are in company, commingled, complementary, complacent with each others' desires; they are equally and inversely omniscient, omnipresent, and omnipotent, like eternal parents conjoined into some androgynous being begetting a myriad offspring in their appointed season.

51. AIN. The Path taken by the Force is “Known” to the Ka-Ba-La Scholars as *Ain*, the Nothing, which is, in this regard, not known; therefore it is called Knowing Not.

52. THE FORCE WHICH BENDS WAVES INTO KNOWLEDGE. The Bending Force is known to the Ancestors as *Ra*, and the Path of *Ra* is known to them as *Ra'at* (or *Ma'at*) who becomes *Nu* when her path is bent forth into Waves.

53. THE FORCE... (CONT.). *Ra* is the Force who bends the path by which it has been transmitted and takes up residence inside it, to know itself, and Understand that it is Known. These are also known as the principles of the Divine Living Energy.

54. THE FORCE WHICH BEGETS ORDER. *Ra* is the force which manifests Order by bending waves into orbits, and *Ma'at* is the Order. These are the names of these essences when their energies have not been corrupted by baser matters, that is, these are their names when they are straight and true and unadulterated by variation; yet whence the path is transmitted thereupon doth the Bending Force of *Ra* come forth to bend and waver it,

thereby the path is vibrated forth into perception and therein the pure energy of *Ra* takes up its habitation in increasing mass.

55. PROEM 1. Know not that from which is born the Straight and Lighted Path. Yet Knoweth the Path and yet knoweth its Passage. Know that it is bent and given mass by Perception; That 'I's sight ripples waves in the inert pool of night. Know that it increases that place of duration in which The bending forces lines into waves that swell up and spiral; The spiral coils over and the coil achieveth enclosure, It increaseth its dimension And foldeth back on itself, contourous then angular, Its degree decreases within the deep.

56. THE LIGHT SUBSTANCE. Light is the Substance of Knowing what is Perceived by the Way that the Bending Forces inert lines into Waves that swell up and spiral.

57. THE SPHERE. The spiral coils over and condenses into a Sphere. The Sphere increases the potential difference between itself and surrounding low-pressure zones of space, thereby increasing the slope of the magnetic field around it to gather and accumulate more potential force units. These force units are immediately energized upon entering the field of the Sphere.

58. THE SPHERE (CONT.). The Sphere draws in and compacts energetic force units by the magnetic attraction which it exerts on the surrounding potential force of waves in space. It increases by volume over density, generates combustion from contraction, and produces a radiant byproduct of heat and light (photons).

59. THE RADIANCE OF THE SPHERE. The radiant Sphere generates waves of heat and gas which are created by the fusion taking place within its core source of centripetal Bending Force. The Force within is responsible for accumulating and generating active force from the black

matter of potential force in space.

60. THE LIGHT SOURCE. When black matter, or potential force, is turned into light matter, or energetic force, then the Bending Force discharges this energetic force as radiant light. This radiance illuminates the once-Naught waves with Knowledge. The Light generated from a source within a Sphere thrills or surges through the surrounding space at 186,000 miles/second and warps the magnetic field of all its touches. Therefore Knowing is the The Light Source.

61. THE PERCEIVER. Any body which lies in the path of the Light is a perceiver.

62. SOPH AUR. The Light Source is also known as Sulfur, otherwise known to the Ka-Ba-La Scholars as *Soph-Aur*, the Limitless Light. It makes the sounds known to the Hindu Scholars as *Aum*, *Om*, and to the Dogon Scholars, *Aa-M(-ah)*, *Amma*.

63. KNOWING. The Light of Knowing is known to the Ancestors as *Ba*. *Ba* is the condition of *Ra* when the Bending Force makes potential reality Known to the Perceiver.

64. BEING. *Ba* is also Known as the Spirit of the Divine Living Energy which is transmuted and transmitted into the baser matters, i.e. when it is en masse.

65. TAO IS MA'AT. The *Ba* is transmitted by the Path or Way or *Tao* it maketh from its Source in *Ra* to its destination by way of the direction in which the force of *Ra* is given. This Path is wavered by the Bending Force of *Ra* upon the Path of *Ma'at*, which is subsequently wavered and thus perceived. This is also known to the Far Eastern Taoist Scholars as the Golden Substance, or the Golden Light.

66. PROEM 2. Knoweth now The Bent Path by which

Light Moves into the Body. Perceive that which is is not The Whole Thing and it's Rate of Growth which is born out into waveforms Swimming spinning whirlpools Spinning spools of thread in worldpools; Looms that sew of fibers cloth. Fish whose fins are finely weaving Lightwaves into fibrous salt. Ever doth it swimmeth toward land. It passeth thereupon in the form of a snake. It extendeth itself from whence it was unborn. It standeth up on four legs. It barks. It taketh flight and alighteth on the Tree of Life.

67. THE LIGHT SOLUTION. The inert waves of space are thrilled by the Bending Force when the Light is transmitted through them from its Source. Otherwise said, when Light hits inert waves then those lines are wavered.

68. THE LIGHT SOLUTION (CONT.). The wavering Waves are the Substance of the Light of Knowing. Therefore waves are the Solution to any Matter whose Cause is made Known. When the Cause, or answer, to a Matter, or a problem, is made Known, then that Matter is Understood. Therefore understanding the Waves is the Light Solution.

69. THE LIGHT SOLUTION (CONT.). When the Solution has been understood and applied, then its Truth may be Known. That which is Known is illuminated, or enlightened, to the Perceiver. Therefore the Light-Waves are the Understanding which give Way to the Pure Light of Knowing. Therefore Waves are the Solution to all Matters.

70. THE TRIPLEX UNITY. We may call the Way by which Light is Understood *Mer-Ka-Ba*, The Counter-Rotating Spirit-of-Light. *Mer* is known to the Far Eastern Taoist Scholars as the Triplex Unity, and to the Scholars of Yeshua the Anointed *KRST* as the Holy/Helio/Sun Trinity which is bound by the covenant of Love. Love is known to the modern scientists as gravity, the bending force, i.e.,

contraction.

71. LOVE IS AN ATTRACTIVE FORCE. *Mer* is the triangular principle of the Divine Living Energy operating under conditions of velocity, distance, and density. Whence the Living Energy enters into the duration [distance / time = velocity] and meets the Limit of Design (*c*), i.e., Critical Mass, then its Path is wavered by the Bending Force, and it is then Perceived in the Light.

72. THE WATER. Light exerts a positive magnetic field which contracts waves and thereby increases their density. This is the Solution by which the Matter is Known. This Solution is the Quicksilver Substance as opposed to the Golden Light Substance; it is otherwise known as the Mercury and the Water.

73. YIN OR YANG. This Understanding of what is Known is perceived by the sound *Aun*, or the concept of the *Ion*, which is the polarization, or charge, of the One Light Substance in which the Divine Living Energy *Ra* moves and has its being.

74. TRANSMISSION. Light is the Source from which *Ra* goeth forth into the Solution of Matter, wherein it wavers the inert space wheresoever goeth it and is bent by its own force of nature back around the path by which it hath been transmitted, wavering that space, and enclosing it when it returneth back to its Mother.

75. THE MEDIUM OF ENERGY. The *Ka* is the state of *Ba* en masse; otherwise said, *Ka* is the substance of the Mass which is made by condensing (by contraction of) the Wave-Substance *Ba* which is the Spirit of Light transmitted by the Path of *Ra*. Otherwise said, *Ka* is the medium, or receptacle, or container, of *Ba*. Otherwise said, *Ra* moves as *Ba* in Spirit and takes up residence in temporality (*Mer* – velocity, distance, and density) as *Ka*.

76. THE HIGH LAND. *Ka* is the raised-up and exalted *Ba* of *Ra*. Therefore it is said that *Ra* the Divine Living Energy has a *Ba* body made of *Ka*, where *Ka* is otherwise called *Af* or *Afu* which is known to the Ancestors as “flesh,” “land,” or “house”.

77. THE FLESH OR HOUSE IN WHICH DIVINE LIVING ENERGY IS STORED. When *Ba* has been transmitted by *Ra* and passed into the baser matters, then that matter which it occupies is called *Ka* its flesh or house. The *Ka* of *Ra* is called *Ausar* when it receives the *Ba*; and when the *Ka* and the *Ba* are at peace with one another, then *Afu-Ra-Ka* is *Ma'at*, i.e., balanced. Otherwise said, when the *Ka Ausar* receives the *Ba* of *Ra* then the *Afu-Ra-Ka* Land/Body of *Ra* is exalted and stabilized.

78. KABALA. This is why certain Scholars call their scholarship *Ka-Ba-La*, for it is known that *La* is the feminine of *El* and *El* is the phonetic variant of both *Ur* (“Great,” “One”) and *Ra* (pronounced with a rolling “r”). This is because the rolling “r” is the phonetic “l” which was known to the Ancestors.

79. CHARIOT. Otherwise said, the body of *Ra* in the flesh is *Mer-Ka-Ba*. Therefore it is said that *Mer-Ka-Ba* is the “chariot” in which *Ra* the Divine Living Energy moves along *Ma'at* (its Path) which it thus bends and wavers into Perception and thus makes Known in the Light.

80. PROEM 3. It seeketh its image in its reflection, In the pool of its creation. It desireth its own manifestation. Ever doth it move its barge toward land.

81. PROEM 3 (STANZA II). It cometh forth into awareness; It kindleth the flame in its breast. It committeth its knowing to vapor; Condensation giveth rise to waves. Its word becometh flesh. We perceiveth light in the waves, yet What we perceive precedes the waves.

82. PROEM 3 (STANZA III). It cometh forth into the light. It bendeth forth the waves. It maketh its way into the Body. It returneth into the night. This is the Day which is Three at Dawn, Six at Noon, and Nine in the evening twilight, who will return at Twelve before the sun rise.

83. CRESCENT. Understanding is initiated by wavering the Light Path. This is known to the Ancestors as the *Khu*. This may be referred to as the “Crescent,” or the child of the Circle and the Straight Path. It is also called by the Ancestors *Heru*, the child of *Ka Ausar* united with *Ka Auset* in the name of *Ra's Ba*.

84. CRESCENT (CONT.). A crescent is a crease in space; it has not enclosed its body; incomplete, it looks not on itself. Its shape is of the closed [eye] which looks on nothing, otherwise said, which looks within. It is bent forth. It becometh part of the whole.

85. CRESCENT (CONT.). It desireth to be touched by what it is not so that it may be moved into completion. It desireth to be where it is not yet, for it doth possess the potential to be in all places which are subject to its perception. Ye will it come to perceive all around. It seeketh itself in the circle. It is but a silver sliver of itself.

86. UNDERSTANDING. Understanding is complete when the *Ba* Spirit which *Ra* transmits from its infinite supply of Divine Living Energy into the subtle/ethereal body (*Sahu*) is at one with the *Ka Ausar* (consciousness) in the *Afu* (flesh) of the physical body (*Khat*).

87. UNDERSTANDING (CONT.). In this practice of Supreme Understanding, the *Ka Ausar* (flesh) of the *Ba* of *Ra* will be stable in the living body *Khat*.

88. UNDERSTANDING (CONT.). *Ka* is the Soul that makes aware the *Khat* (physical body); and *Ba* is the Spirit which enlivens the *Sahu* (spirit body). Together these comprise the “Circle” which is established upon its axis

by *Khat Auset*, counterpart of *Ka Ausar*.

89. CIRCLE. The circle is none; yet to circumscribe the circle is to know the whole of 1. This is the paradox of perception. [0] and [1] are two poles whose center point is [6], upon which it focuses its sight.

90. CIRCLE (CONT.). The circle is a hole when there's no [1] to perceive it, yet it is whole when [I] look upon it. Therefore we call the most high the All-Seeing Eye who illuminates the void; It receives the ray of light and projects it in the [6] directions. It is said that he moves upon the waters. He rises upon what is old and makes that which is new from within. Therefore he sees when he moves, and when he moves he spins.

91. CIRCLE (CONT.). The symmetry of two closed [eyes] creates an open [eye]. Therefore that which is complete has within it its opposite. The circle which looks not upon itself knoweth itself not and remaineth imperceptible, yet the circle which openeth its [I] and considereth its self in the light Begets its self-reflection in the world. In order to perceive [I] self [I] must perceive a round.

92. PHYSIOLOGY. *Ra* Divine Living Energy is *Mer-Ka-Ba* made Known to *Ka Ausar* our human Soul's Understanding in our *Sahu Khat* spiritual-physical body.

93. SPIRIT IS LIFE-FORCE. *Ra* is the *Ba* Spirit that makes alive our *Sahu Khat* body, who brings the life-force that animates (“flies through like a bird”) and sustains our life in *Afu* physical matter. It is like unto the circulation of our blood which powers our brain to Understand what is Known in the Light.

94. SOUL IS CONSCIOUSNESS. *Ausar* is the *Ka* Soul that make aware our *Sahu Khat* body; he brings us that Divine Conscious Awareness which is but a fractal of the Supreme Being's, which guides our life in *Afu* physical

matter back to eternal life in *Amun*. It is like unto our brain which is powered by our blood to Understand what is Known in the Light.

95. UNDERSTANDING WHAT IS KNOWN. What is Known in the Light is the Path *Ra* takes in *Ma'at* via *Mer-Ka-Ba* to bend forth the Waves to give Mass to its *Afu* flesh, in which it looks back and Perceives that Force by which its Waves are Bent into Mass. Therefore *Ra* looks through a mirror at itself. When it sees itself as both *Ra* Divine Living Energy and *Afu-Ra-Ka Ausar* Divine Energy in the living flesh, then it is stabilized and its energy current is balanced in *Ma'at* and it hath achieved the Unification of the Two Lands.

96. STABILITY. *Auset* makes *Ausar* stable in *Afu Ka* physical mass. When *Ausar* is stable then he is as a *Djed*, or otherwise said, his *Ka* is an electrochemical storehouse which contains Divine *Ba* energy until it is to be transmitted back to *Ra*.

97. THROUGH A GLASS DARKLY. But *Ra* is often prevented from seeing the *Ma'at* Path by which its own Divine Living Energy traveled through *Mer-Ka-Ba* and transmuted into the *Afu-Ka*.

98. THE GREAT STRUGGLE. *Ra* is prevented from seeing the *Ma'at* Path from within the Perspective of the *Khat* body. This physicality is the Veil of Misunderstanding in which the Understanding of *Ka Ausar* is not conscious or aware, i.e., has not received the *Ba* of *Ra*, and the *Khat* body thus remains uninspired by *Ra*. Therefore, in this state, the Ancestors say that *Ausar* is dead in side the *Khat*. The “murder” is *Sutekh*, called human reason and physical senses, which block the innate Understanding of the Solution of the Light-Waves. It is *Heru* the impetus for Understanding the Light-Wave Solution who must battle with *Sutekh* the illusion of physical reality to resurrect the *Ka Ausar* in order to receive the *Ba* of *Ra* the

Spirit of Divine Energy.

99. THE GREAT STRUGGLE (CONT.). Sensing the physical world of the *Khat* body is what prevents *Ra* from seeing itself in the *Mer-Ka-Ba* mirror from within the *Afu* flesh, and what prevents its journey back to Divine Living Energy-consciousness in the *Mer-Ka-Ba* chariot. Therefore human senses and human reason are the prison of the *Khat* body in which *Ra* is trapped in *Ka* mass and is thus “dead.” Physicality and perception of physicality is the “Cross” upon which *Heru* our Understanding “dies,” and must therefore resurrect its “father” *Ausar*.

100. CROSS. Space and Time are [2] divisions. [2] pairs make [4] poles, or [4] even parts of [1]. A plane: A space becomes to track the light’s duration. Four worlds descend to matter. Four metals tend to rust. This is corrosion. This is the suffering of the divine into the most base incarnation. [I] become two genders and [I] fall from the light place.

101. ROSY CRUX. Then must [I] rise up the selfless self from selfish ego, and [I] shall center [I] between my paradox. [I] must suffer in my matter on the cross to become whole, In holy union with the circle of the rose.

102. PROEM 4. Spirit is the Substance of which matter is the gross manifestation. The Lord’s vahan moves between them conducted by the seeing, the sea: The crest and trough of light waves in spacetime. The motion of the ocean is the karma known as energy. Energy is defined by velocity and frequency; it is the vital principle, lest the spirit be impotent by stagnation. Therefore motion is the Law which speaks through rhythmic rotation; it is the Word whose waves are written in sines.

103. PROEM 4 (STANZA II). Whirlpools spooling out the cosmic loom. Seek ye the Lord in the spiral line and thou shalt see thy present wheel, Which is eternal in its

rotatory motion. All things once commenced must form a round, which is karma incarnated.

104. CONDENSATION. Matter is the spirit which has condensed through its rotation. Consciousness is thought that wells up in matter when it condenses, the more complex the structure, the more crystalline, the signs align.

105. CONDUCTION. Thought is conducted by and through matter like an electric current. Matter is conducted through space by gravity, or love, which balances effects and effects causes, and which informs reincarnation which forms and reforms great bodies from round to round toward the [1].

106. THE BODY. The body is any systemic, prolonged interaction of Spirit, Energy, and Matter which partakes of a karmic round.

107. THE BARQUE OF PERCEPTION. Our lord is I whose bending force projecteth many forms, who one by one increase the waves of light and mass of waves: *Xeper* conceives and thus perceives of what is not what is. It deviates from stillness and maketh waves. In *Nu* the waves are bent before the barge and moved upon the water of the sea. *Net* weaves webs through the fish's fin, and strings thread through the feathered loom. *Am* knows that it moveth through the waves. *Maat* examineth the web and perceives Order in them. And Perception entereth into the *Tuat*: the perceiver becometh the object of Perception, and sustaineth its image in the mirror. Perception bendeth back unto itself and becometh conscious thereof. The bending forces waves to coil and give growth to mass; Thus it projecteth its image into the world. *Skhet* makes waves rise up and spiral such that the eight spin tears into enclosure And thus *Paut!* It goeth forth: matter comes to be.

108. THE TRANSFORMATIONS OF NATURE. This is the Boat of Perception which bringeth forth the Sun of Ra's procession into the Day, and goeth forth again each night into the *Tuat*, whose ruler is *Asar*. These are the names between *Xepera* who cometh for as *Ra* in his rising, and *Asar* who goeth forth in the name of Ra's erection. They are as 1 the Bent Path by which Light moveth into the Body. They are the fluid through which light is sifted into salt. Light projected through spacetime moveth downward into matter, Spiraling around the christened core: It is a wave which is perceived as an orbit; It is a line which is perceived as a point.

Appendix Title 6: The Cycle of Nature and The Order of *N* Changes

SECTION § Preamble

1 *Tua Amunet Amun*, thou art the Supreme One in whom we live and move and have our being. We, being in thee, doth last out our being, but thou, outlasting even we, art more permanent. We are moved by thy Being, being as it is in thee, while thou art the very is-ness that compels all things to be. Thou art Be-ness, essence of existence, whither or not thou art moved. The Being which moves thee is *Ra*; is it the blood in thy veins and the current firing in thy wiring. Thou art at the head of the *Neteru* of Nature, the Substance of all things and the Gods who have been Known to the *Aakhu* Venerated Ancestors of Humanity. Adoration to *Ra* and those within its train: *Kheper-Ra-Atum* the 1 who maketh waves. *Shu* is 2 who moves them. *Tefnut* is 3 who weaves the sea. *Geb* is 4 who sees it. *Nut* is 5 who perceives it. *Asar* is 6 who receives it. *Aset* is 7 the mother of Son. And *Set* the 8 who ate the Sun. *Neht-Het* is the nurturing 9. 10 becometh 1.

2 O, **R'**, thou art known by thy vibration; thou art generated in the ubiquitous and everlasting Mind of the United Supreme Being *Amun* and *Amunet* and thou goest forth from their Mouth and maketh a path to be transmitted; when it goeth forth it is Perceived; Lo! It is heard. Thou hast come forth into the Light when thy path is wavered in thy consort **Ra'at**. Thy name rolls forth from off the tongue of *Djehuti*. *Djehuti* giveth to the hearers thy name. Thy name rolls off the tongue of those who Know thee as *Re*, *Ra*, *Ia*, *Jah*, *Iao*, *Iaoa*. Any name which cometh to signify thee knoweth that thou art the Great God.

3 Thou art the Divine Living Energy which entereth all

things into being, all inertia into motion, all silence into sound, all stillness into change. Thou art the impetus for animation, in whom the motion of the spheres live, move, and have their being. Thou art the Unconditioned Unified Reality which exists without condition yet goeth forth into conditions of *Mer*, duration, distance, velocity, volume; Lo! Thou art given into mass when thy path wavers and thy waves increase vibration with the rolling of thy name and rise up into density to make matter be perceived. Thou art in the seed and thou passeth therefrom and taketh root in thy land according to thy appointed season. There thou makest thy Land. Thou art everywhere and thou art here and now; thou art above me and thou makest a seat in my heart. Thou establish thy house in the *Aten* and makest it like thy capacitor; thou comest forth therefrom and send the waves of thy emanations into my body through my *Ka*, like unto how thy current passeth out of thy battery and through some black conductor to make it light. Thou art in the aethers and the void and thou art in my City.

4 Some claim to know thee, yet know not thy name. Thou art called the Gravitational Force. Thou art the general waveform tendency toward spiral vortex compression within a vector equilibrium, i.e., thou art the Centripetal Bending Force upon the path thou makest in thy going forth from thy mouth, which path is wavered into an electrical motion [e-mission] within a magnetic field, which is thy House. Thou art the Constant Law and thou art the One Truth. Thou art the Great God and thy *Ba* is in my *Ka* with me.

SECTION § O

1 O, *Ra*, thou art transmitted from thy Source and come to bend forth thy straight path into waves. Yet where were the rays before they were raised to bring light out from thy radiation? What were the waves before they were wavered by the sound of thy vibration? Still and silent

waters. Lines of plane inertia. Lo, these waves are imperceptible to we, who see and move and have our being in thee, the vibration of waves alone makes us be. How can we know that which has no vibration? It is not for our minds to know, because we can only see and hear the frequencies of thee. In thy Mind thou alone knoweth the most still and silent waters from which thou cometh forth to be transmitted into our minds and hearts. Therefore this watery Source of thee is *Amun* and *Amunet* Hidden and Unmanifest State of Being till thou cometh forth from them and maketh a path to be wavered to our Perception of Understanding. Therefore these Waves are of thy own Mind and are made known in the light to our Perception. Let us Inner- and Overstand thy Light, O, Lord.

2 What is The Nature of thy Mind, O Lord whose name is *Amun* and *Amunet*, whose current of thought is *Ra*?

3 The Dual Nature of the Mind's Thought Sine-Waves, thy names are **Nu** and **Nunet**. Thou art the very Substance of Magnetism, i.e., that upon which magnetism acts, i.e. that which is affected by the electrically-wavering bending force of *Ra*. Ye, thou art the unperceived straight paths which become waves. Thou art the still, silent, primordial waters from which *Ra* Divine Living Energy cometh forth to be perceived in the Light which it maketh in thee when it spirals centripetally along thy paths to gather and increase its mass in *Ka* in which it taketh up habitation along the spectrum of vibrations of being. In thee, O, *Nu*, doth the Great God dwell till the impetus for its transmission causes it to go forth and swell into *Ka*.

4 O *Nu*, thou art not yet wavered in the primordial times before the First Thing. Thy straight and silent paths are limitless in thy expanse. O, Dual Nature of thy Limitlessness, thy names are **Huh** and **Huhet**. O, Limitless Ones, thou art the ones who maketh *Nu* to be moved in the Mind of *Amun* and *Amunet* and spiraled by

Ra into *Ka*; thou maketh *Nu* to expand and contract according to thy consciousness *Ka*. Thou art the magnetic field manifest in the path-lines which are then made into waves. Thou art *Ka* when thou art conceived by the Gods and thou art *Ka* when thou maketh *Ra* to move through the eternal expanses *Nu*.

5 O *Nu* Waves, thou art *Huh* Limitless; *Ain Soph* they are sometimes called. Yet when thou art not yet wavered thou possessteth no vibration. There is no Light to see thee, for *Ra* hath not yet come forth from thee to make a path to waver. It hath not transmitted its current through thee to coagulate thy massless paths. Lo! Thou are concealed, black, and dark.

6 O, Dual Nature of thy Darkness thy names are **Kuk** and **Kuket**. Thou art also known as **Ka** and **Kaket**. Thou art the Blackness of Limitless Waves, which Blackness is the Substance of thy Waves. The Substance of the Blackness of thy Waves is made of potential electric force units which are yet inert and unwavered and unorbiting until *Ra*'s bending forces thy units into electrical motion. When the electrical motion is wavered in the magnetic field of *Nu* then the Black Substance of which it is made coagulates in Space along *Ra*'s path and gives thee Mass. This black darkness is of the hidden consciousness of the Supreme One *Amun* and *Amunet*. These are the conditions of the great expanse which exists inertly before *Ra* cometh forth to make it Known by making the wavering Light by which it is to be Perceived. When it is without light it is black and open space ; yet it is filled with thee, O Mind of *Amun Amunet*, yet it is unseen. Lo, *Ka* and *Kaket*, thou art the Black Substance of Space. Thou art the Black Mass given to all things bearing weight. This is the Substance of Light which *Ra* coagulates by its Centripetal Bending Force when it cometh forth from impetus in thy Mind to make thee Known to thyself. Yet the Substance of Light which maketh things and which maketh things to be seen is itself Black and Dark, and Black and Dark is

the Substance through which *Ra* is transmitted to make this Light to make things Known and seen. O, *Ka* and *Kaket*, there are those who claim to know thee, yet know not thy names, and call thee in their laboratories “Dark Matter.” Thou hath been made known to the Ancestors as Black Mass, which mass is without weight before it is gathered by the attraction of *Ra*'s electrical force. Hence, dark matter subsists in Mind without mass. Thy components are but thee in smaller scale. Thou of thyself be, which being is in *Amun*.

7 Lo! The Mind of *Amun Amunet* condenses the waves of *Nu* into magnetism. This magnetism is condensed into electricity. This electricity is condensed into Light. This Light is condensed into Space. This space giveth forth the gas state and the liquid state and the solid state, all of which will be made known in time. Lo! from An-O-Thing, the Cypher, is made the Known thing, the Point. O maketh of itself the 1. These things will be explained in due course.

8 Otherwise it is said: The Mind of *Amun Amunet* sendeth *Ra* to *Ka Kaket* to make their conscious to think that which maketh their great expanse of *Huh Huhet* to move in the waves of *Nu Nunet*. That which they think, which thought moves the Waves, is the Bending Force of *Ra Ra'at*; indeed, it is by bending what is inert and “straight” that thought is produced, which action bends Waves to be Perceived and thus made enlightened, i.e., alive. Enlightened Divine Living Thought comprises Consciousness of Mind, the substance of which is *Ka*. Thereby is the Divine Living Energy of *Ra Ra'at* generated in the centripetal spiral and maketh straight and inert lines to be bent along the path of the desire of the Great Gods. Hence all things within their relativity are gathered into their center and amassed in *Ka*. *Ra* maketh hot thy cauldron and creates Light to make it Known; and the *Ka* consciousness is made to be Perceived; thy Waters boil, steam and bubble into hot and radiant spheres. Lo!

Thou hast come froth from Night to Day.

9 Lo, the *Ba* of *Ra* cometh to be transmitted through the capacitor of the black *Ka* matter which is not seen until it is coagulated by the electrical bending force of *Ra* going forth through the still waves to make them vibrate. The black *Ka* matter is gathered and moulded by *Ptah* who is with *Ra* when it cometh to be transmitted through said matter. The black *Ka* matter is gathered as in a basket, and it is collected and condensed by the electromagnetic motion which is the path of *Ra* when it goeth forth; and this black substance of the limitless waves of space is compacted into the first celestial land, which is the primordial land, which is called the Mound of Creation, and it is called by the Dogon Scholars “*Amma's* termite hill.” Who is there upon it when the mound is raised up by *Ptah*? It is *Atum* on the *Ka* exalted land of *Ra* when it is coagulated from the waves of *Nu* in the Mind of *Amun*. Thus, *Ka*, thou art the Black Mass of Dark Matter which was compressed in the vortex of the spiral motion which *Ra* hath made in its transmission. Thou art made into seeds, and then granules, and thou becomest the egg of future worlds, just as thou wert made as the primordial earth *Asaase Afua*, and the core was moulded for thee by *Ptah*, and the mantle hardened over thee, and thy revolution gave mass to thee, which revolution was maintained by the Great God, and which mass that God took up residence inside. And the mass was crusted over and called *Geb* and it was the Great Work of *Ptah* in service of *Ra* who built for *Ra* this its House of Mass. And all of this Mass was *Ka* and it was all of the Black Substance. And this same Substance rose up when *Ra* transmitted the current of its energy through the smithy of *Ptah* in the core thereof, and it was thus raised above the Waters of *Nu*, and it became the first *Afu* land which became the *Ka* flesh of *Ra*. And on this new High Land found *Ra* a place to stand, and it was called *Atum*. And *Atum-Ra* went into the Land and enlivened it and made it fertile; and all living things were raised up by *Ra* when it

passed though and electrified the *Afu* Land which had become its flesh and his home. Here in the Land doth *Ra* take up residence as *Ka Ausar*. *Ka Ausar*, thou art the Black Substance of *Ra* when it is in *Afu*. Therefore thou art called *Afu-Ra-Ka*. *Ra* maketh the people upon this land with the granules of the same Black Celestial Substance of Space, the Dark Matter; it is called *Ka-nu*, *Khem*, *Kam*, *Kam-et*, *Kham-Tum*, and the like. This is what makes the body of *Ausar* in which *Ra* dwelleth when it is transmitted into the *Afu* matter. In this *Ka* as *Ausar* doth *Ra* live and move and have its being. These numbers of generation being 1, 2, 3, 7, 12, 24, 36, 72, 144, times 6 times 100 times 10 times 1,000 times 7 and 1,008,000,000.

10 Lo! When *Ra* cometh forth from the silent, Limitless Dark Waves of Space of the *Huh Nu*, it taketh the black *Ka* substance of the space and coagulates it in the vortex of its Centripetal Bending Force and gives mass to it by rotation and revolution, ever drawing the black *Ka* matter into the growing seed thereupon the center axis of this wheel. And this is the Gravitational Force which gathereth the things which are in relative proximity and makes them as one Mass there in the center of the force of *Ra*'s Divine Energy; and when this *Ka* hath been amassed into a sphere, *Ptah* moldeth the flesh of *Ra* and *Ra* entereth therein and gives it life. And this Divine Life goeth forth upon the Land. *Atum* is upon it. When *Ra* is in it, then it is *Ausar*. This *Ka Ausar* receiveth the *Ba* Spirit which is transmitted by *Ra* from the Source in the depths of the Limitless Waves. Yet that is the Hidden Place. Whence and wherefrom doth *Ra* cometh? None knoweth but the Mind. Yet *Ra*, like blood, is transmitted through the "body" of space which, like our bodies, is largely made of waves—yet this Great Body is made of the Limitless Black Waves of Space, and the Dark *Ka* Substance is gathered in its "organs." This is the Great Body which contains all and which is enlivened by *Ra* and whose flesh is *Ka*, and whose Mind is comprised of the Hidden Waves. Whose body is it?

11 It all goes on in the body of **Amun** and **Amunet**; thou art the Dual Hidden One who contains the activity of the Centripetal Bending Force of *Ra* which coagulates Waves into Mass. O, *Amun*, thou art the Great Cackling Goose who maketh the limitless waves of *Nu* to vibrate the black *Ka* substance and give birth to *Ra* when thou openest thy mouth and produce thy voice. *Amun* and *Amenet*, thou art the Supreme Being in whom we all live, and move, and have our Being.

12 Thou dwelleth in the “void,” that unperceived “place” where the universal constant of potential force lines has not yet been directed and accumulated into the centers of generative spiral motions.

13 Thou art Nous ; An O Thing ; Thou art Still and Silent Waters. There are those who claim to know thee, yet know not thy name, and call thee Space. Thy name is *Amun*. Thou are in *Het Heru*.

14 Thou comest forth by Night. Thou art the basis of all variation. Thou art called the Cosmic Egg. *Amma's* Ball Of Clavicles. The Potency. The Pleroma. Abode Of The Self-Existent Lord. The Boundless All. Wu. Womb. *Om*. Father-Mother. The Ancestors are with thee. The Source. Night Of Brahm. The Robes Invisibly Clothing... The Virgin To Whom The World Is To Be Born. The Black Body From Which We Come, Into Which We Come Into Our Being. The Impersonal Reality Pervading The Cosmos, Which Is The Pure Noumenon Of Thought. Parabrahm Primordial, Non Objectified Subjectivity; Thoughtless Thought, Causeless Cause, Wordless Yet All-Word-Breathing Breath. The Darkness That Breathes Over The Slumbering Waters Of Life.

15 Cypher, thou art called “0”, yet thou art not No-Thing, but AN-O-THING. Thou art Absolute 0, the Womb of the 1 which processions into the infinite. 0 is the coda

wherein the previous System, after having reached the Limit of Design, will resume the nature of 1 Value, God, and make of it a hole to be wholly absorbed by its inversion, i.e. it becomes but a square fractal of its new form: 1 to 9. 0 is the tomb of the negative precedent. 0 veils the ancestors from the descendants. 0 is the Womb which issues forth the positive which will come to be made known in its infinite, where we are. 0 is “not 1” to “1”, thus creating pressure through paradox, division through duality, ultimately spinning out the whole 1 again, over and over. In 0 is the divine thought, the immaculate conception, the mind of 1, of which there is but a singular and infinite potentiality.

SECTION § 1

1 O, *Amun Ra*, thou art the Great God, the Supreme Being; thou Cometh Forth into Generation, Manifestation, thy Becoming. Thou Cometh Forth by Day from the Night of Infinite Black Waveforms of Inertia into Kinetic Motion. Thou art **Pert**, for thou cometh forth from the House, like speech cometh forth from the mouth, and entereth into the Bending Force to make a Land to stand upon. Thou desirest to Know Thyself. *Pert*, these granules of *Ka*, these seeds, these grains, these fruits and produce of the field, all these things with give generation to life, these things are the things of *Ra*. Thou goeth forth, out, and away from thy homeland in *Nu*, and thou maketh a place elsewhere to become.

2 It is said that thou art spoken, that thou cometh from the Mouth, that the vibration which doth waver the path of thy transmission is a frequency producing sound and color. O, the Dual Nature of thy Vibration, these are the very first things, which things are vocalizations of thy inner hidden Nature, which being said are carried out by the builders to make the World according to thy Measures. O Speaker of these things of Nature, thy name is **Djhuti** ; thou art the Sayer of That Which is Perceived

and Known to be True and Righteous; thou art the Speaker of Constants and Laws, the Ruler, the Measurer of Truths; thou art the Messenger of *Ra* and thou art the bringer of its Wisdom ; thou maketh what is True to be known in the Light and thou doth enable *Ausar* to be established, who hath given unto him the Word. Thou art “the Baboon with shining hair and an amiable face, the scribe of the *Netjeru*.” That which thou scribest is thy very speech, which speech is the manifest things of Nature by which the Gods make their presence Known to Those Who See.

3 O Speech, thy name is **Ma’at** ; thou art the things which are said by *Djehuti* from the Mouth of *Ra* ; thou art the formula of the true relationship of the unconditional Law which is made into and according to the conditioned states of being; otherwise said, thou art the balanced nature of the Waveform which *Ra* maketh when it bendeth forth its path when it is stabilized and thus giveth forth its form into particle Mass, i.e., which waveform is spoken by *Djehuti*. Thou art the Natural Laws, the Constants, the Numbers, the Values, the Measure of Righteousness. Those who know not claim to know thee, and they call thee Weight. Those who know thee not claim that they know thy name, and they call thee Math. Their Math is based in the Weights which have been made known to the Ancestors. The true Weight is not displaced. The true Weight is in its right place according to its nature, like unto like, and it is not differentiated, nor thus perceived, for it is righteous in the body of *Amun*. The weight which is measured by the liars and the knowledgeable is displaced from its true state; therefore is it perceived in the physicality of things, which is the Lie. The Weight which is Measured by *Djehuti* is True, and it is alike and in harmony with the Waves in which it is dissolved; though it appears in the illusion of a particle, it is Known truly in the Waves, and it is harmonious and balanced therewith; and *Djehuti* speaks the vibration which gives Mass to the Waves, and gives Weight to

them when they are placed into relation to that which also is Spoken from its Mouth and rolled over its Tongue. These are all the articles of the Speech of *Djehuti*, each of which is perceived True and Right to its vibration in Waveform; and these articles of Speech are *Ma'at*. And the Speech comprises the Word, and the Word is *Ma'at*; and the Word is called **Medu**. The *Medu* has Weight, and it is *Ma'at*. It is spoken by the *Netjer*, and it is called the *Medu Netjer*. These are the Words which are Spoken into Existence by the God *Djehuti*, which are made Known to our Perception by the forms to which they give Mass in Nature. The Nature is the *Neter* of the Words, and they are *Medu*; they appear in *Afu* and they are *Ma'at*.

4 What makes the *Medu Neter* to be Spoken from the Mouth of *Ra*? It is the impetus of the vibration which causes *Ra* to come forth therefrom. Wherefrom doth it come? It is from the Limitless, Black, and Hidden Waves of *Amun* that *Ra* emerges from the Lungs deep in the Mouth. What is it that causes the Word to be summoned in the Lungs and Spoken from the Mouth? It is the Thought in the Mind of *Amun* that so desires this Word to be transmitted from the Mouth in the name of *Ra*. What then is it in the Mind that does this? It is the Waves themselves which are of the Mind. It is the Waves which are inert till the Bending Force of *Ra* is generated the centripetal motion and gathereth the *Ba* and delivers it into the *Ka*. What is the Force which makes the *Ba* to be delivered into the Center of the vortex where the *Ka* is spiraled into Mass? What makes the orbit of the space into itself, to seek itself therein the Center? It is the Dual Nature of the Electro-Magnetic Force that does this. The Magnetism is in the Waves and the Electrical Force is rolled among these, gathering the black substance of the Waves like into a basket to be given to *Ausar* when *Ra* maketh its *Afu* flesh in the *Ka*.

5 O, Nu, whose name is *Naught* and *Nous*, thou art the Inertia of the Waves whereupon the Bending Force

cometh forth into thee. Thou possess the potential to be bent forth into the perceived Light of Knowing, and thou dost acquire from *Ra* the impulse to waver by its Force. Therefore thou art made to transmit *Ra* to its *Ka* by the kinetic motion which thou dost assume when the impetus of *Ra* is given unto thee. Thou art Magnetic Waves at Rest and even so when thy Waves are given to the centripetal motion, and then thou art the Force of Waves in Magnetic opposition, and thou dost beget the zones of pressure by which the Path of *Ra* shalt be guided to seek its destination in the *Ka*; and thou art the place in which the current of *Ra* is transmitted, which those who claim to know this call by the name “electricity.” Thou art the Unconditioned Truth, and thou art the conditions which appear in the frequency and amplitude of thy own Waves according to *Ra's* desire.

6 Who is it that makes the vibration's increasing frequency of *Ra* to roll over the tongue and out of the Mouth of *Djhuti* as *Ma'at*? It is *Khepera* who rolls the Word of *Ra* out of the Mouth of *Djehuti* in the Morning.

7 O, **Khpr**, thou art called *Khepera* and *Khopra* and *Khepri*. Thou art the Electromagnetic Force which is summoned in the Magnetic *Nu* Waves of the field whence *Ra* maketh the Bending Force upon it. Thou art the charged nature of the Waves ; thou art the Ion, the waveform electron, for thou goest forth rolling the black *Ka* from its hidden place. Thou goest through the Waves rolling the *Ka* into the Seed of the Word of the World to be made Known by Perception, like unto how thou rollest the electron around the positive centripetal motion of the center which is the nucleus of *Ra*. Thou makest the *Nu* wave an orbital and thy orbital is the Ball of *Amma* ; it is the *Ka* when it is conceived in the black consciousness of *Amun* and it is the *Ka* when that consciousness is made known in the Light of being. In that ball of *Ka*, the black dust sediment of space, thou dost deposit thy myriad seeds. Thou throwest thy ball into the Waves. *Hapi*

maketh the Inundation ; and thy children come forth from the fertile Soil of Dark Matter ; the rays of thy Light is made Known, for thou makest *Ra* to shine effulgently therefrom ; Lo! thou art the maker of *Ra* in the Morning. Thou art in the *Mesektet Wia* boat of *Ra* in the *Tuat* and thou makest *Ra* to rise into the hands of its Mother *Nut* to enlighten her and to be received by *Shu* who is with her from the black body of *Ausar* at dawn. Lo ! Thou drivest forth the Great God when he is in the *Aten* in the Morning.

8 O, *Khepera*, Thou art the primal event of polarization whence *Nu* is made differentiated by *Huh* in the *Ka* of *Amun*, thou who makest the seed of black *Ka* to be differentiated from the Black Waves and spin along its place upon the path of its propulsion; thou doth give conditioning to the conscious thought of the Great God and guide it to its destination in the *Ka*. Thou art with *Ra* when it rolleth the Waves into the centripetal spiral of the Bending Motion, to beget the sphere wherein thou shalt do thy Work. Otherwise said, thou art the nature that maketh the attractive and gathering electrical path to orbit the direction of propulsion. *Ra* goeth forth, and thou art spinning him around, drawing in the *Ka* and giving Mass to *Ra*'s desire to be at that place in which direction it is moving. Thou art the mover of the motion of *Amun* from his resting place. Thou maketh “*Amma’s Ball*,” whose “four clavicles” are unified as one by the contractive, generative force of *Ra*. Thou art engendered space. Thou sowest the seed, building the egg of the world. Thou art the Fire inside.

9 When thou goeth forth thou art in motion. What is it then that is moving? It is *Khepera* spinning round the Path of the transmission *Ra*. It is therefore the Electrical Motion which attracts the substance of *Ka* from the Waves of *Nu*. Therefore *Ra* is given mass as it moveth through the Waves, and its Mass decelerates its Divine Living Energy. Therefore *Ra* assumes the seed of its

future *Ka* body which will be made as its flesh and house. Then it is not *Ra* alone, for it hath degenerated into accumulating Matter. What then is it?

10 O, Dual Nature of Electron Motion (E-motion, “Electricity”), thou art **Knum** when the impetus of the Divine Living Energy of *Ra* accumulates the *Ka* is given into matter. Thou art called *Khemennu* and *Khnosu*. Thou art *Ra* in its Ram-head and thou art the *Afu* flesh or land of *Ra*. *Ra* is mummified in the, *Kanum*, like as *Ausar*, for thy Divine Electrical Impulse is being resisted by matter; therefore dost thou decelerate from thy True Velocity of the Pure Light of thy Knowing. Thou entereth into thy *Tuat* wherein thou shalt pass through the black *Ka* substance where thou art called *Ausar* ; in this body thou art Ram-headed and mummified as the *Afu* flesh of *Ra* in thy *Ka*. *Ka Ausar* receiveth the *Benu* Spirit-bird of thy *Ba* and is at peace with thee, and is established by thee in *Auset*. Therefore thy Divine Electrical Impulse is balanced in thy Magnetic Space which is thy House, and thy orbit shall be sustained therein. In *Ka Ausar* thou art *Kam-Ur*, “Great Black One,” for the *Ka* of *Ausar* is the black mass land compacted from the celestial *Ka* of the darkness of Night in *Nu*, and it containeth the *Afu Ra* during its journey through the *Tuat* of *Ba-Ka* (The Living Soul); i.e., *Ausar* is the store-house, the “battery” of the energetic “electrical” power of *Ra* when it is transmitted through the “receiver” “brain” and sustained in the “R.A.M.” “heart” and circulated in the “current” through the “wiring” of the “blood”. When *Ka Ausar* receives the *Ba* and is at one with it then the mummified Ram-headed *Afu Ra* is made as the *Djed* stability pillar which is the backbone of *Ausar* which is the battery in which the energy of *Ra* is balanced and sustained. Therefore, O, *Kanum*, thou art the electrical wave which coagulates the Light made by the transmission of *Ra* along its spectrum path of decreasing frequency from the Source of inert waves into the register of Mass, ever displaced in its pressure zone, ever seeking its true place and Weight in

the stability of its *Ka*. Therefore thou doth decelerate the pure and unconditioned Light of Knowing *Ra* by accumulating the resistance of matter, and thou doth define a point (particle) within the spectrum (wave) to be.

11 O, **Ptah**, thou art with *Ra* in its transmission; thou doth enable *Kamun* to accumulate the matter; thou doth take the ball of substance rolled along by *Khepera* and thou doth fashion it into the form of *Ra*'s desire. This desire is *Ka*, and thou maketh the *Ka* to rise up from the Waters. Thou art the formative power of *Ra*, who gathereth the *Ba* in the basket of *Ka* and builds it into the *Afu* for *Ra* to take up habitation in the *Ka*. Thou art the Great Excavator of Forms and Employer of Energies; thou art the Fashioner and the Maker of the Myriad Things. Thou art like *Khemennu* in its Ram-head when that God maketh the human on its potters wheel, which wheel is spun by *Khepera*. Thou art the most talented God, and no craftsman or artist on the *Asaase* (Earth) maketh their craft without thee with them. Thou maketh the *Ka* to conform to *Ra*'s desire and so thou art the rate of motion with which this is done; therefore thou art the force of the Divine Living Energy employed by *Ra* in its endeavor. Thou art the generator of luminosity like *Kamun*. Thou doth coagulate the orbital interaction of forces from non-interacting, non-orbital waveforms ; thus thou art the fashioner even of *Kanum*. Thou art the positive motion of *Ra* which seeks itself in the centripetal motion. Thou art close to the Great God. Thy consort is *Sekhmet* with the head of a lion; she appeareth in the form of *Het Heru* when she is the Heavenly Cow who holdeth aloft the *Arit* of *Ra* and she appeareth as *Sekhmet* when she goeth forth to slaughter those who speak falsely against the Majesty of *Ra*.

12 These are the *Ren Hekau* names and *Neteru* natures of those Gods who are with *Ra* when it goeth forth from its Father *Nu* the Dark Waves into the *Hrw* Light of Day. Wherein does it happen that *Ra* becomes Known in the

Hru Light? What is it that containeth the Light which *Ra* makes in its transmission; i.e., who is it that keeps the core at the center in the smithy of *Ptah*?

13 It is **Het Hru** that is the Great House of *Ra* in which *Ra* moves and lives and has its being when it cometh forth into the Light. It is She who is the Uterus of *Ra* when She gives birth to him from the primordial Waters of her Womb : it is Her Womb which Houses the transmitting electrical Bending Force of Divine Living Energy. It is Magnetic Space which contains the Divine Electrical Impulse of Living Energy which is *Ra* when he is in the smithy of *Ptah*. She is *Het* the House of *Heru* the Son of the Day. She establishes *Ra* in the Light; She maketh strong the foundation of what is Perceived; She beareth forth the Waveforms into the field of conditioned space, and placeth it upon the axis; indeed, she is the polarity of the spectrum which causes it to be transmitted, and she maketh the motionless balance at the center of the bending motion between the polarities. It is She who is the Amphitheater of all the sounds of *Ra*'s vibratory motion, as if it were a fugue played by *Djehuti*. She beareth forth the Great God. As Magnetism She divides the equilibrium Electric Force Field rolled in spirals by *Khepera* into the dual-polarity field so as to create the opposed pressure conditions necessary for Motion (i.e., Life) to simulate Stability in Mass. The Two Poles are the Two Lands which allow *Ra* to come and go forth according to his desire, otherwise it would not be able to seek itself, gather up itself, and come to Know itself. What is the limit of the spectrum in which *Ra* cometh and goeth forth? She is the Boundary of the Limit of the rate of *Ra*'s transmission of Light in the sine-wave-spectrum ; She is the Circumference, the perimeter of magnetic space ; Her domain is 360-degrees ; She is the dissolatory, discharging Force, the *Netjer* of positive electrical discharge toward the south-perimeter which simulates the negative charge ; Lo! She is the responsive discharging centrifugal effect against *Ra*'s positive

centripetal motion which creates orbital electromagnetic states of material appearance.

14 These are the attributes of the Great God who transmits the Divine Living Electrical Energy from the Source of its Eternal Mind to coagulate the Waves from the Waters of Hidden Space into Physical Black Mass. Before it is manifest it is *Amun Amunet*. They give *Nu Nunet* to *Huh Huhet* to compact *Ka Kaket*. *Ra* is generated within *Ra'at* the path of the wave which is made in the *Nu* and it spirals within the vector equilibrium and fires the black substance of *Ka* in the kiln of contracting space and it moves through it centripetally and collapses the black space into the grain and sows it into space and expands it into the sphere; and the sphere is a *seba* star which is a door from the unperceived place of waves into the perceived place of dense, contracting *Ka*; and the sphere emanates the *Ka* which will give rise to the Land *Asaase Afua*. And the Waters will cover *Afua* until *Ptah* shakes the core and sends the Land up above the Waters. And *Ra* will set upon the Land and sit upon its throne and it will be called **Atem** also called *Atum* and *Adam* and *Atom*. It is *Adam* who is the first individual, enclosed, oscillatory, waveform living being upon the land. It is *Atom* which is the first composite unit element of being. It is *Atum* who cometh into being upon the *Afua* as the *Benu* bird which is the *Ba* of *Ra*, and it is upon the *benben* stone which is the pyramidal mound where he maketh *tmu* the firm place where he sitteth; and it is *Atem* who goeth into the Land as *Afu Ra* to fertilize life therein. This is the path made by *Ra* from its hidden and permanent place *Amun* through *Nu* and into its *Ka Ausar*.

15 When it is with *Khepera* it goeth forth from *smai* undifferentiated unity into *tawi* complementary duality and that which is made known in contrast to the waves is rolled to gather up itself when it findeth itself along the path and is made to generate itself against that of which it is made. The rolling motion makes it hot and gives it

Light to illuminate the place where it is perceived to be existing through the oscillation of its complementary charging-discharging / contractive-expansive / energizing-harmonizing-stabilizing motion. It is known in the Heavens as the Premium Mobile. It is the Nebula, the state of potential acquisition, the historical accumulation of quantum waveforms which are given to particle Mass.

16 The Ka-Ba-La Scholars call it by the name of the Number 1, the Sphere (*Sephirot*) of *Kether* – the Crown. Thou art known to the Ancestors as the *benben* the capstone of the *mer* pyramid. This is the shrine of *Atem*.

17 This is the true and most Highest Knowledge, of which the Supreme Mathematicians of Gods and Earths say, “Knowledge is to know, listen and observe. Knowledge is a body of accumulated facts. Knowledge is the foundation for all things in existence, as the Sun is the foundation for our solar system.” This is the germinating Sperm of Father-Mother which entereth into the Inert Hidden Womb.

18 This is the Beginning in Genesis. It is the Unity of the Electrical Force which is divided along the polar spectrum plane of Life. The One pole is the Source of the Life Force. The Second is its return thereunto. At 90-degrees it cometh forth at Dawn to Day from Darkness. At 180-degrees doth it obtaineth Knowledge of what is it not, highest doth it loom over the place from which it had come, only to return to what it is, and always will be. Only when Knowledge of its destination hath been made to it doth *Ra* enter into transmission along this Path, which Path is promptly bent forth into the centripetal spiral and wavered to vibrate within the Sphere of its Magnetic Limit.

19 It is *Khepera* when it cometh forth at Dawn into the Day. It is *Ra* at high noon. It is *Atum* at Dusk. It is the product of the Great Mind of the Hidden God *Amun* ; Lo!

It is the desire of that God to go forth. It is that God's Great and Sole Idea and its execution is its most Good Work, which work is conducted by *Ptah*. It is Dictated by *Djehuti*, Te and Wei. It is God's Word when it is *Ma'at*, Tao and Wu. Thou art the Great God, pure vibration of the Speaking of thy eternal Thinking. Thou riseth from *Bakhau* and traveleth in thy *Mandjet* boat on the River which runs on the Belly of *Het Heru*, the Cosmic Cow, the body of the Heavens. Thou settest in *Manu* when thou sendeth for the *Qebu* called the North Winds to cool the Land o'er which thou hast sown thy Seed of Light. Thou entereth into the *Ka* of the *Asaase* thy *Afu* and traveleth in thy *Mesektet* boat through the *Tuat* who body is *Ausar* before thou art born through the umbilical cord called *Apep* the Great Serpent to be birthed again into the Day tomorrow. Thou *Pert em Heru*. Thou comest forth by Twilight.

20 Thou art called *Aur* in the Light of Day. Thou art the Point and The Peak and The Crown. Thou art The Monad, The Emanation, The Line Derived From 0 By Extension. The Ray Of Light, The Wave, The String, The Seed, The Germ, The Sperm. The Self-Born, Yolk, The Nucleus. The Self Of Deity, Mahat; thou art The Divine Thought Conceived, the Son Of The Manvantaric Dawn. The Immaculate Conception. Phenomenon As Perception By Thought. That Which Comes To Contemplate Itself. The seedling of the World which has been Born.

21 Thou art the Singularity, that ineffable place of origination. Thou art that instantaneous, unstable period in spacetime at which the 1 totality of consciousness is contracted its most dense, unified, and energetic state. This highly charged state of concentration is achieved only by the contraction of a previously maximally-expanded Unity. After 1 Mind has experienced itself in an infinite expressions, the nature of its magnetic reciprocity causes it to gather and retract its energetically "positive" Totality into the harmonized/balanced/"negative" state of

completion (or expenditure) known as “10”. 10 is simply the unification of the infinite 1 such that God's consciousness expands beyond it and its value becomes a fractal unit in the infinitude of the new 1. The myriad things have become known between 2 and 9; the 9 is the Womb that gives the 1 back to the Cypher to complete the Cycle. Now God must surpass itself; that is how it breathes. The 10 harmonizes the infinite differentiations between 2 and 9 and inverts them into the new 1. The density of Eternity contained within the “inverted” 1 is what causes the energetically-charged +1 to manifest from the ever-stable 0, the inert essence of 10 from which the new 1 Number is issued, and the cyclic Wheel revolves. The Number line's potential knowledge charges in the 10, stabilizes in the 0, and discharges from the 1. This is what happens when the entirety of consciousness, i.e. God, gathers all that it is into a central place and expands yet beyond it, rendering that whole previous sum of knowledge a factor in an exponential increase. This is the “big bang”, though not as a violent, consuming flame, but like as a flower blooms silently from its grain. The germ of eternity, infinitely spiraling; there is no end, there is ever more to ascend. In this the thought expands beyond what has been known, and makes it but a root of its new formulation, and it is *Ma'at*; Lo! The Word is Spoken.

22 This is the *Netjer* Nature *Neber Tcher* Number 1; this Great God beareth forth the myriad forms of the *Paut Neteru* called the Number Line. From this God 1 cometh the Gods 2 through 9 of the Celestial and Terrestrial Nature, which Gods come forth to be Perceived. It is *Atem* called *Atum* and *Atmu* and *Adam* and *Temu* when *Ra* is setting on the Land, i.e., when *Ra* entereth into the *Ka* to fertilize the World *Afua*. This is when *Afua* is complete. This is the Divine Living Energy entering into mass, to be resisted from the true Light of manifestation, yet going forth to manifest life within the *Afu* flesh of physical matter, to be inner- /over- /understood by the

minds of its generations. *Atem* maketh a *Het* of *Afua*, and *Ra* entereth into the *Tuat*. *Atem* conceiveth *Shu* and *Tefnut* who maketh *Geb* and *Nut*, and *Afua* is complete and ready for children. O, *Ra*, *Atum* is sown in thy fertile *Afua* when it hath been made by *Ptah* and he bringeth forth abundantly thy descendant Suns and Earths. He is the red one on the western mountains.

SECTION § 2

1 O, *Ra*, when thou cometh forth from the Mountain *Bakhau* in the Morning at Dawn, thou art received by the God **Shu**. *Shu* expandeth thee, my Lord. *Shu* is born of thee, *Amun* when thou art upon the *Ka* high land as the God *Atum*; he is thy first-born son. Thou hath sneezed him out from thee and thou hath spit his sister. He is the state which is increased when he is gathered and rolled along by *Khepera* when that God goeth forth with *Ra* in the Morning. Ye, he is the lightly gathered substance of thy *Ka*. He is not dense like the World which thou shalt bear out from him. He is the gaseous state. He is the Air. He is lighter than anything Perceived in the World, but he is heavier than the Waters of *Nu*. He is the state of initial compression when the Hidden Waves are first made Known. When thou art manifest, O, *Ra*, to Perception in the Light, thou cometh forth into *Shu*.

2 O, *Shu*, thou are in the aethers and thou art over the *Asaase Afua* Earth. Thou art represented by the 360-degrees of Space when it is made Known in the Light of Day; thou doth fill *Het Heru* when She is manifest to our Perception. Thou art represented by the complete, unified Zodiac of the 12 Houses of *Ra*, or, as others say, thou art Known by the planet Neptune. Thou art called the patron of mystics, actors, prophets, seafaring peoples, and recluses. Thy qualities are of the visionary, utopian, illusion, imagination, inspiration, dissolution, new connection, and confusion.

3 The Ka-Ba-La Scholars call thee by the name of the Number 2, the Sphere (*Sephirot*) *Chokmah*. This is what those Scholars call, Wisdom, of which the Supreme Mathematicians of Gods and Earths say, “Wisdom is the manifestation of ones knowledge, the ways and actions one uses to make his or her knowledge to know the truth, such as speaking wisely to the wise, to the dumb or to possess a wise Mind.” This is the Womb of Mother-Father when it receiveth the Sperm from Inertia's own contraction.

4 When thou art made in the cosmos thou art the state of Fire and Heat. Thou art the hot Air which is borne forth in the Breath of Life, which is generated in the Lung and borne through the mouth by *Djehuti*. Thy name is the name of the Great God spoken each time we inhale and exhale. Thou art called by the Theosophists “Fohat” when thou makest a place for the work of *Ptah* to be done. Thou art the Nature of Expansion. Thou art Known to the Taoist Scholars as Yang. Thou art the consciousness and the will of the Great God. Thou comest forth at Dawn.

5 Thou art called *Bet* in Shem's tongue. Wise One, thou art Polarity Derived From 1 By Reflection, which Revolution Begets The Spectrum. Thou art The All Divided Against Itself; The Diameter Against Which The Cypher Defines Its Circumference. Thou art The Great Father, The Fire, The Serpent of Flaming Mist, The Messenger of *Ra* to the World. Steed Of Thought Divine, thy name is Fohat, Who Scatters The Atoms And Builds; The Divider Whose Work Begins Life Manifested; Cosmic Electricity, The Vesica Pisces, The Sweat-Born.

6 Thou art that state of Inflation begetting creation when the 0 of the new 1 expands and condenses the infinitude of itself by into mass by duration and velocity [speed=light]. $[0+time*energy=1^{infinite}]$. From the Mind God magnetically coagulates the electric spark that sends the light into the Space. Here are scattered the

atoms, the sperms, the milk-white curds, the smokestreams.

SECTION § 3

1 O, **Tfnut**, thou art born in tandem with thy brother *Shu* from the Great God *Amun*; *Shu* is thy consort, and you alternate with him. He is the gaseous, and thou art the liquid state. Thou makest him to retract back toward thy common father *Atum*; thou art close to *Ra*. Thou art the manifested Water. Thou art heavier than the Waters of *Nu*, yet thou art as those Hidden Waves when the World is manifest in the Light of Day; thou doth possess those qualities when they are Perceived. Thou art heavier than thy brother *Shu*. Thou dost sink below the Air, yet in thee do all the Spheres have their motion. Thou art the complementary principle in the Dyad of the Cosmic Environment. Thy brother and thee breathe for *Amun*, in and out; *Ra* maketh thee to sing. *Shu* carrieth away his father *Atum* and thou bringest back that Great God to the center where labors *Ptah*. When the 1 and 2 make Love they are conceiving you; in the womb, *Ptah* maketh 4 thee thy body.

2 Thou art known in the Cosmos by the planet Saturn. Thou doth possess the qualities of authority, elders, statesmen, prudence, contraction, restriction, limitation, tradition, discipline, crystallization, systemization, organization, framework

3 The Ka-Ba-La Scholars call thee by the name of the Number 3, the Sphere (*Sephirot*) *Binah*. These Scholars call thee Understanding, of which the Supreme Mathematicians of Gods and Earths say, "Understanding is the mental picture one draws of knowledge wisdom. To see things much clearer for what they are, visible through the all Seeing Eye, which is the Mind." This is the child of the Union of the Womb and Sperm of Father-Mother. 1 and 2 become as One, and they beget the 3 to carry on the

scheme. Therefore 3 is as One with its 1 and its 2; and 1 God is as 3 Gods seen.

4 Thou art called by the Theosophical Scholars “Svabhavat,” the web-like substance of things which secretes through all Creation. Thou art the Moisture in the Air which coagulates the Waves and gives them Mass. *Atum* is thy Sulfur; Thou art the Salt and *Shu* is the Mercury. Thou doth possess the frequency of Violet. *Shu* is the Breath, and thou art The Word of Life. Thou art the Coagulation of Mass from the Waters. The Taoist Scholars call thee Yin. Thou bringeth forth matter and energy to be manifestation to our Perception. Thou comest forth by Morning.

5 Thou art called *Gimmel* in Shem's tongue. Thou art *Amma's* Pyramidal Mound; The First Plane, From Which All The Rest Descend. Thou art the Principle Triad of Sulfur, Mercury, and Salt which begets all formal things, just as from One God emerged Three; The Holy Trinity. Hence thou art The Solid Derived From 1+2, comprising The Cosmic Substance, The Web. This is The Divine Body, The Mother, The Soul, The Egg-Born, The Unfallen.

6 Thou art the *Netjer* of Primary Accelerated Expansion, when *Ptah* gathers and scatters the substance in the four cardinal directions and the durational direction of time. He sends Like substances to seek themselves alike. Otherwise said, Substance seeks a common center among other like substances and *Ptah* gathers them into their core. This is the Magnetic Law. He expands through the body of *Het Heru* the Mother of Space sending things to their righteous pressure zones. He makes the journey of trillions of years. The belly the worlds are to be born in bloats. The walls of Her abode are enclosed. The sacred circle in which She is to do Her Work is consecrated. O, Time, thy Pyramids are falling.

7 These Gods 2 and 3 are *Shu* and *Tefnut*, born from the First God *Amun*. *Ra* is with them all. Yet these Gods are of the Cosmic Environment. Though we speculate upon them through our Perception, they are too great for us to fathom. They are together, and below them is the plane of *Daath* ! This is the boundary of the Knowledge between the ideal and the actual, whence manifestation breaks forth from the *Nous*; the seeking, the search, the tunnels, deep waters, black pool. They couple and bear forth the Gods below them, which are made Known intimately to our Perception here on *Asaase* Earth.

SECTION § 4

1 O, **Geb**, thou art the first-born son of *Shu* and *Tefnut*. Thou art called *Jeb*, *Keb*, and *Qeb*. Thou wert made by thy parents when by their expansion and contraction they compacted thee from the *Ka* which was in the *Nu*. From waves they sent forth *Ra* and made thee as a molten core of black *Ka* and they sent *Ptah* to harden thee; he made for thee thy body as a fetus. From thought of *Amun* through Waves of *Nu* thou hath been enlightened by *Ra* and hardened by *Ptah*; thy parents expanded and retracted thee and now thou art like as a solid thing. Thou art the Earthly State, particle-like and granular ; thou art the crust of *Ra's Afua* (Earth). Thou art the influence of terrestrial nature and atmosphere. Thou hath been built up by *Ptah* ; Ye, *Ptah* is in thy molten iron core. Upon thy face doth Humanity live and move and have its being. *Ptah* receives *Ra* and transmits it up to thee. Thy son *Ausar* is upon thy face and he receives the transmissions of *Ra* from thee and he is at peace. Thou art the visible surface of the Divine Living Energy which giveth rise to life.

2 Thou art represented in the Cosmos by the planet Jupiter. Thy qualities are of the judges, lawyers, clergy, leaders, publishers, expansion, propaganda, vision, abundance, optimism, justice, prosperity, generosity, benevolence.

3 The Ka-Ba-La Scholars call thee by the name of the Number 4, the Sphere (*Sephirot*) *Chesed*. This emanation of *Amun* is known by the Scholars as Mercy. Of this the Supreme Mathematicians of Gods and Earths say, “[Mercy] is the Culture of freedom and righteousness, the culture of peace in which all things coincides and lives in harmony.” Mercy is submission, as the Good Child submits to Father-Mother. How Good it is for Them to Heed these Words.

4 Thou art the frequency of the color Indigo. Thou doth receive the Breath, for thou art the Lung of Life; and thou doth exhale the Word, for thou art the *Medu* of the *Neter*. Thou comest forth Mid-Morning.

5 Thou art called *Daled* in the tongue of Shem, that is, The Door, opened mercifully; The square, the quarterary. The solid existing in space and time; Matter as we know it. The elements, the directions, the dimensions. The father made of flesh, thy memory. Jachin, the white pillar in the Temple. The monad as tetrad. Animals with bones

6 Accelerating Expansion continues into the Limit after the 1 is scattered without prejudice throughout the belly of the Mother during the Initial Expansion period. At such points in the continuum where waves coagulate, particles collide and heat up with each other, the gravitational attraction increases and these centers grow. More of the scattered 1 is drawn to these interior Laya centers, and the expansion of stardust into the farthest limits of the Body of Mother slows. When the gravitational stronghold on matter is broken as matter farthest from these bodies diffuses, then the rate of universal expansion begins to accelerate again. Particles remain in flux between diffusing away from the centers and being borne into them. The breath of the Mother is drawn in and out. The smokestreams spiral, mingle, and whirl. The serpents of

fire slither and coil.

SECTION § 5

1 O, **Nut**, thou art the first-born daughter of *Shu* and *Tefnut*. Thy consort is *Geb*; thou art as his house, surrounding he where he is in the middle of thee, and thou art the magnetic waves which tether he in space. Thou art *Ma'at* when thou makest the balance against he. Thou art the Heavenly State. Thou receivest *Ra* from the *Tuat* in the Morning and yet consume him each night when he passeth therein. Thou placest *Ra* upon thy back when thou appearest as the Heavenly Cow; it was upon thee that *Ra* ascended from earth to travel o'er the sky after he sent the lava of *Sekhmet* to slay the false-speakers; thou art like the second mother of *Ra* when thou bearest him forth into the Day. The milk from thy udders is the starlight of the Milky Way which nourisheth we in *Asaase*, which milk is the emanation of the *sebau* which are made in the dense hot kiln of the *Ka* of *Ra*, which place is called the *Tuat* and is governed by thy eldest son *Ausar*, whose body is *Ka*; Lo! *Ausar* is Sovereign within thee and thou art as his Mansion.

2 Thou art the Heavens and thou art wave-like in thy nature, but thy waves are heavier than the waters of thy Mother *Tefnut* and even more than the waves of thy Grandmother *Nu*. Yet to we thou art their representative in the Matriarchy. To our Perception here on Earth, thou art the great influence of stars and planetary spheres. Thou art the Sky which is hoisted over *Geb* by *Shu*, for when thy father saw thee coupled with thy brother, he knew thou couldst not bear the Children which *Ra* was wont to give to you, so thy father *Shu* came between you all to hold thee aloft into the Heavens, and upon thy back doth *Ra* ride o'er *Geb* in the Day boat called *Mandjet*. Lo, *Shu* hath made a firmament supported by four pillars, and he hath made thee as the Waters above; our oceans remain the waters below.

3 Thou art represented in the Cosmos by the planet Mars. Thy qualities are of action, energy, initiative, courage, assertion, aggression, passion, independence, and enterprise.

4 The Ka-Ba-La Scholars call thee by the name of the Number 5, the Sphere (*Sephirot*) *Geburah*. The Scholars know this as Severity. Of this the Supreme Mathematicians of Gods and Earths say, "Power is the truth, truth in origin only means of refinement for to go according to the truth is to make ones self-known again. Truth is the power to resurrect the mentally dead from their present state of unawareness and ignorance of self." Thou comest forth at Noontime.

5 Thou art called *He* in Shem's tongue, that is, The great mother. Thou art Force, Motion, Will. Life in its procession. The mother made of flesh. Boaz, the black pillar

6 Nebulae take formation. The differentiated clusters of stardust smokestreams whirlpool, expand, and form their bodies with more definition and vibrance as the reactions of their elements increase inside them; with the aid of fire, airy and watery states of matter condense; the 1 consolidates inside them. The value of these large bodies continues to increase, drawing in the fire, energy, and matter around it. Like attracts to Like, the First Magnetic Law. The spokes are jointed around the centers; the new wheels spin. The rounds will soon form worldpools from the orbs of burning matter. Some will live on pure light. It is said that there are seven brothers formed.

7 These Gods 4 and 5 are *Geb* and *Nut*, born of the Gods 2 and 3, *Shu* and *Tefnut*. *Ra* is with them all. Yet these are the Great Gods of Terrestrial Environment. In these Gods doth Humanity live and move and have their being. But what is the essence of Humanity in *Neter* Nature? The

Gods *Geb* and *Nut* couple and bear forth the Gods of Humanity. This is like unto what the Taoist Scholars call the Union of Heaven and Earth; only by this union is the Elixir of the Golden *Ra* achieved in the Balance of Principles.

SECTION § 6

1 O, **Ws ir**, thou hast made thy seat in the *Arit* eye of *Ra*. Thou art the throne of *Ra* in the flesh. Thy name is pronounced as *Wsr*, *Wasir*, *Wasar*, *Usir*, *Asr*, *Ausar*. Thou art the growth given to Perception of *Ra*'s desire. In thee doth *Amun*'s consciousness increase. Thou art the place where *Ra* becometh aware in the black body, which body *Ptah* hath fashioned from the black *Ka* substance of *Nu* space, which place thy consort *Auset* hath established for thee upon thy throne, which throne *Djehuti* hath established for thee.

2 Thou art *Afu Ra* when the Great God cometh into the *Ka* of the *Tuat* wherein it is mummified in matter and resisted from its most vigorous motion [C]; thou art the mummy wherein the resisted *Ra* is transmitted through thee yet which enlivens thee and maketh vital thy spirit and maketh conscious thy soul. Thou art that Black Earth of *Ka*. Thou art the Sovereign and Governor of the *Tuat*, which Dual Land is thy very body. Thou art the Judge and Presider over the Weighing of the Souls of the Mass-less on the Scales of *Ma'at* in the Tribunal Hall wherein the *Bau* of the deceased venture upon their departure from their matter. Thou art the Director of Souls and the Gatekeeper of *Bau*. Thou art that Divine Soul who receives the *Ba* of *Ra* and becomes *hetep* at peace with the Divine Spirit, working in harmony and in balance in *Ma'at*.

3 Thou art the sun when it is Set. Thou art *Ra* beset by adversity in the *Afua* flesh, only to pass thy body through the *Tuat* after 12 hours to rise again in the Morning. Thou

art *Apep* the umbilical cord which bears *Ra* into Sovereignty and delivers him into *Shu*. Thou art the vital spirit and vegetative soul at the heart of Human Consciousness, which consciousness must be awakened by the vigor of the Light of *Ra* lest thee, *Ausar*, remain as a mummy unconscious in thy black body. Raise up thy inner *Ausar* and receive *Ra* and become established with the Divine Living Energy coursing through thee.

4 Thou art the Divine *Ka* within all things simulating material life; thou art the electron waveform which is established inside the enclosure of the particle, whose nucleus is the smithy of *Ptah*. Who is in it? *Ra* is in it firing the furnaces in the smithy of *Ptah*. Thou art the iron which is wrought and made within. Thou art that which maintains the potential for simulated life even when in subsistence without mass. Lo! Thou art the complete sine-waveform oscillation of *Ra's* electrical impulse, tethered against the magnetic limit of thy House. In thee is maintained a balanced, complete electromagnetic octave wave wherein Inertia has been harmonized by the Limit of Light. Thou art the motion sustained by the degree to which an inert gas is charged, then returned to its resting position². Thou art the “idea” or “desire” produced by Inertia under specific conditions of polarity. Thou art the “form” by which the “idea” will sustain its polarity in Mass Simulation (its reflection / image). Thou art the “opposite” (3-unit-side) of the right triangle.

5 Thou art The Sun. Thy qualities are of the true self, an employer, leadership, creativity, vitality, individuality, will, power, vigor, authority.

6 Thou art in the *Ab* Heart and *Khpr* is with thee. Thy qualities are of the middle, interior, sense, wisdom, understanding, intelligence, attention, intention, disposition, manner, will, desire, mind, courage, lust.

7 The Ka-Ba-La Scholars call thee by the name of the

Number 6, the Sphere (*Sephirot*) *Tiphareth*. These Scholars know thee as Beauty, Harmony, and Centeredness. Of these things the Scholars of Supreme Mathematics say, "Equality means to be equal in all aspects of one's true self." Beautiful, how simple it can be.

8 Thou art The "Christ" (KRST), the Manifested Logos of the Lord. Thou art the Sulfur. Thou art Orange and thou art at the Heart of Life. Thou comest at High-Noon.

9 Thou art called *Vav* in Shem's speech. Thou art the point self-conscious and capable of existence, defining itself by the relations above. Thou art the most centered, balanced. The body set in motion. The Son. Carbon. The vegetative soul of life; the ever-living, ever-subsisting vital spirit.

10 The Stars are Condensations of Mind, and Atoms are Star-systems. Stars are born when magnetism manifest in gravity causes the particles of the nebulae to become more 1, increase volume, speed, heat, and collision, until the pressure implodes the cloud into a brilliant son: a sun. All suns are material, and thus fallen from the 1, but they represent the perfectly harmonious balance to void space because their composition is perfectly conditioned by their surroundings. The heavier they are, the more they are pushed to the centers of the Mother, the more small bodies orbit round them, the more fixed they become; they burn on for worlds and worlds. The smaller bodies, having amassed matter but being unable to sustain a fire, shed their remaining heat into the nearest sun, and the sun consumes their vital energies, growing, flaring, ever larger. The cooled worldpools orbit round their sun in even pace. The sun breathes the sweat and refuse of the Mother. The cool sons live off of the heat he gives back. This Exchange maintains its equilibrium for the time.

SECTION § 7

1 O, **Wsh**, thy name is pronounced as *Wst*, *Waset*, *Ast*, *Auset*. Thou art the establishment of *Ausar* upon his throne; thou art the *Het* House of the *Ka* of the *Ba* of *Ra* when it is in *Afu*. Thou art the Queen and High Priestess of the *Tuat*. Thou art with *Ausar* at the Judgement of Souls. Thou art the one who makes him stable, who art the co-sine to his waveform, the magnetic limit to his electric wave, who meets him at 90-degrees.

2 Thou makest the seat, or place, or establishment where stability of impulse shall give growth to mass. Thou art the Womb from the Spiritual State of Being (without materiality) into “The World” of condition, for truly the World is thy Sun; thou art the Womb of *Heru* the New-born Day. Thou art the most stable register of the preceding states of being. The emotional soul. Thou art the “adjacent” (4-unit-side) of the right triangle.

3 Thou art known in cosmos as Venus. Thy qualities are of attraction, cohesion, ease, love, pleasure, affection, decoration.

4 The Ka-Ba-La Scholars call thee by the name of the Number 7, the Sphere (*Sephirot*) *Netzach*. The Scholars know thee as Victory. Of this the Gods and Earths make highest praise, saying “God is a wise man’s equality, manifesting build or destroy. I is self, self is the true reality, son of man God, (7) the all Seeing Eye, the All in all...”

5 Thou art the River Waters, which art drawn from the Heavenly Waters of thy Mother *Nut*. Thou art the color Blue, and thou art Desire for Life. Thou comest After-noon

6 Shem's tongue calls thee *Zayin*. *Ausar* is the conscious point and thou art the point's idea of bliss, the pleasure

experienced by Being in the course of life's events. Victorious emotion. Queenly devotion. Thou art Lord of Generation.

7 Black holes form inside of Stars under a mantle of trapped matter. Sun spots are black because they are vortices in the mantle exposing what's concealed below. A star of critical mass will collapse under the pressure of its own gravitational pull. This is the son of the morning being defeated by the Mother; Her love bears him inward; no more will he burn on. These bodies are the largest masses in the universe, and, as they have become too large to remain stable (they have reached the Limit of Design), they are consumed inside of a hole, hidden by a veil [Event Horizon]. Yet, although inverted and negative, the Value remains constant. The Value is condensed within the deep, deep inside the hole where the body resolves its size and siphons the infinitude back into the 1 [Black Hole Singularity]. Although hidden from the light, the suns, the gravitational pull of the Black Hole draws within it the matter and energy around it, and as more 1 is absorbed, the wider the Event Horizon of the Hole becomes; the higher the 1 increases. The 1 of matter and energy is being drawn from the body of the Mother into the body of the Black Hole Suns, her children. It is said that seven such are born.

8 These Gods 6 and 7 are *Ausar* and *Auset*. They are the first-born set of *Geb* and *Nut*. They are close to the Union of Heaven and Earth. They are the father and mother of *Heru* the Light of the new Day. They are the innate intellectual faculties of Humanity. These next Gods 8 and 9 are fallen from *Geb* and *Nut*, yet *Ra* is with them all. They represent the dual nature of acquired intellectual faculties.

SECTION § 8

1 O, **Sutekh**, thou art called *Set* and *Seth* when thou

makest set the sun. Thou art called **Anup** in the *Tuat*. Thou art the faculty of discernment, the maker or the breaker of whether the Judge's Will be done. Thou hast been the adversity of the conscious living spirit of *Ra* within thy brother *Ausar*, but thou must repent and set thyself astright; free thy brother from thy fetters and thy coffin. Thou hast slain thy brother *Ausar*. Thou art the acquired reason of sensing in the illusory world which doth entomb the Divine Consciousness of *Ausar* and usurp the power of his Perception. Nay, free the Divine Conscious of *Ausar* from thy misguided perceptions; Divine Intuition is higher than any of thy rationalizations.

2 Thou art the container [i.e., that which resists] of the true intention of *Ausar*; thou keepest him mummified in his tomb until his Son *Heru* maketh War with thee and reclaimeth the throne of his father. Thou art the membrane and enclosure of the *Tuat*, i.e., thou art the gate to the other-world, the separation of the waveform world from the particle world. Thou deceivest Mind from Truth. Thou deniest the true reality of the waves which beget thee, and only reveal to thy Perception the particle nature which is the simulation of Mass. Thou art the totality or enclosure of the 180-degree octave wave whose 90-degree point is midnight. Thou art the Darkness. Thou art the rational soul. Thou art led astray by the World's perception in matter, but thou must be supplicated to *Ausar*. Thou perceivest that which is without thou, which thou seest with thine eyes, but turn thy *Arit* eye within and perceive the consciousness inside; thou shalt find that is has always been thy friend. Thou art truly in the service of that God.

3 Thou art made known in the Heavens as Mercury. Thy qualities are of a messenger, youth, objectives, awareness, fluidity, thought, communication, expression, adaptability, dexterity.

4 The Ka-Ba-La Scholars call thee by the name of the

Number 8, the Sphere (*Sephirot*) *Hod*. The Scholars call thee Intellect, which may work against the True Intent of God, or against Truth and in favor of ego. Of this the Gods and Earths say, “Build or Destroy: Build means to add on to life a positive creation or education; destroy means to know of, take, that which is untrue, and light to the knowledge.”

5 When thou art confused by thine own misconception thou keepest the Light of *Ra* from shining through thy Sun; hence thou makest war against thy elder's Son. Thy true purpose is not to fight thy elder with thy arrogance. Thou art born to be the messenger of Truth, which switch, when flicked, shall deliver *Ra* from *Ausar* to *Heru*. Thou art the *Was* scepter which is made to transmit the electrical current of Truth from the Shrine-Capacitor of *Ra* to the R.A.M.-Heart *Djed* Battery of *Ausar*.

6 Thou art also called Raphael and Hermes. Thou art the Reason for Life. Thou art called Calabi-Yau / Enclosure. Thou art represented by the Jackal, the Cain, the Canine of confusion. When thou art *Ma'at* thou appearest as *Anupi*. Thou comest forth this Evening.

7 Thou art called *Chet* by the confused ones. Thou art the point's idea of knowledge. The Ogdoad which rides upon thy barge, O, *Ra*. Change in stability, motion in inertia, the faculty of separating into categories. Animal father. Darkness. The choice of “evil” or deception which is righted and put in service to the 6.

8 Expansion Decelerates and Total Value in the Observable System decreases while the 1 of the black, hidden [Occult] System increases.

SECTION § 9

1 O, **Paut**, thou art the Substance of the *Neter* (Nature); thou art the Company of all the Gods; thou art the Ennead

of the principles of the Cosmic, Terrestrial, Spiritual, and Physical environments which are known to man. Thou art in the Company of *Ra*.

2 Thy name is **Nebt Het**; thou art called Nephthys. Thou art the consort of *Sutekh* ; he is the reason which resists *Ausar* and thou art the imagination which liberates *Ausar* from thy brother's grasp. Thou art with *Auset* when she seeketh her brother *Ausar* after *Sutekh* hath enclosed him in the tomb of the *Tuat*. Thou shalt bear forth *Ra* anew from his captivity. Thou makest strong *Auset* and thou establishest *Ausar* when thou findest him. Thou art the deliverer of *Heru* from the Womb of *Auset*. Therefore thou art the Womb from which the particle *Heru* (Sun) will come forth to Day from the Night of *Tuat* where his Father lieth, and he shalt resurrect his Father when he is established by thee.

3 Thou art made known in the Heavens as The Moon. Thy qualities are of the personality, subconscious / “id”, change, fluctuation, instinct, nourishment, receptivity, responsiveness, domestics, impression.

4 The Ka-Ba-La Scholars call thee by the name of the Number 9, the Sphere (*Sephirot*) *Yesod*. The Scholars know thee as The Foundation. The Supreme Mathematicians say righteously of this, “Born is to bring into existence a mental birth of self.” Thou art also called the Archangel Gabriel, the deliverer.

5 Thou art the nature of growth in Mass which delivereth *Ausar* from the waveform of the *Tuat*. Thou giveth growth to *Ausar* in the Soul of the Living Human Being. Thou art Life in Perpetuity and the Act of Reproduction. Thou comest forth at Dusk

6 Thou art called *Tet* in Shem's house. Thou art the essence of being [*sat*]. Thou art the ennead which rides upon thy barge, o, *Ra*! Thou representeth stability in

change. Thou art the unconscious self and the Freudian id.
Thou art tides guided by the moon

7 Accelerated Contraction ensues and Space shrinks inside the growing black bodies. The value of the negative grows, the many reverting all into 0 via -1; 0 becomes the hole filled with the whole of the 1. 1 approaches -1. Black Holes consume one another: exponential negative increase. The Limits of the universe become the Event Horizon of a Supermassive Black Hole, which is in turn the ovule of the new Singularity. Herein forms the new womb. The Son fecundates the Mother to give birth to the new Singularity. The Mother becomes the son. The Son becomes the Mother. Black body becomes black body. 1 comes in Not 1.

8 These are the 9 Gods who are with *Ra* when it cometh forth into the Day upon the Earth. The Earth Perceived in the stable particle is the God 10 and the newborn Day is *Heru* when it riseth in the horizon eastern of heaven.

SECTION § 10

1 O, **Khem**, thy name is **Atem** or **Temu**. Thou art the Nature of Material Substance in the state of crystallization. Thou art the dust, the sediment, of the ionosphere ; the condensation / crystallization of the Visible Light Spectrum [RE] ; the semiconductor, register, and responder to the electromagnetic transmission of *R*; the Melanin, *K*, Black Mass *Mn*; thou art manifest in the mineral earth as Lead or Carbon. Thou art made Known as The Earth, the World Perceived in materiality

2 Thy name is **Atum**. Those who are misled call thee Atom, particle mass ; Sediment ; Salt, Strong Nuclear force ; Granules. Thou art the Word (the “tchet”, “tet,” “T” “D” ; divine speech, land, world ; stability). Thou doth appear as Corpuscular Light Units.

3 Thou art the Crystalline medium *K* of *Ra*'s electromagnetic waveform registration, i.e., recognition.

Thou art manifest as follows:

3.1 Germination: quark, up-down-top-bottom-strange-charm = “KA”

3.2 Seeding: neutron, proton, electron = “SEN(U)”

3.3 Ovulation [atoms] (“PA(U)”)

3.4 Growth [molecules] (“T”, “DJ,” “B”)

4 The Ka-Ba-La Scholars call thee by the name of the Number 10, the Sphere (*Sephirot*) *Malkuth*, called by them The Kingdom. The Scholars of Supreme Mathematics of the Nation of Gods and Earths bring the truth full circle when they speak on this, saying truly (*Maa Kheru*), “Cipher is the completion of a circle or 360 degrees of Knowledge, Wisdom and Understanding.”

5 Thou art the *Neter* Nature. Thou art the physical Birth and thou art The New-Born. Thou comest forth at Night again and art borne out from *Nu-Tefnut-Nut-Auset-NehtHet*, in short, the lineage of all thy Matriarchs.

6 Thou art called *Yod* by Shemites, that is to say, The Great Father. The Point's Idea Of Itself, Fulfilled In Its Complement. The Decad, The Divine End, 1 + 2 + 3 + 4; The 1 Returned To 0, *Sankofa*. The Fallen Daughter, Bride Of Adam. The Scaffolding Of The Building.

7 Thou art Singularity again achieved in its materiality as the potent consolidation of the 1 of universal energy and matter. 1 as the pressurization of all numbers. 0 as its unobtainable ideal.

8 O, World, thou art born forth by *Auset* and *Neht Het*. Thou art conceived by thy father *Ausar*. Lo! Thy father is entombed by thy uncle *Sutekh* who wisheth to deceive thee. Thou art born into illusion and deception. *Sutekh* is upon thy throne, yet he is not thy Father. He wisheth to

deceive thee with his reasoning; he will make thee to think that these particles of mass are thy domain; but thy domain is in the Waves of the *Tuat* with thy Father in *Afu* who is *Ka Ausar*. Maketh *Ra* to be received by the *Ka* of thy *Afu* Father and thou shalt be victorious and thou shalt o'erthrow thy deceitful uncle *Sutekh* ; thou shalt make war with thy uncle and thou shalt lose thy *Arit* eye. But thou shalt rise up against him in the name of thy Father, for thou art established by thy Mother, and thou bringest forth the Day against the Night. *Ra* is with thee. Thou art his resurrection. Whence that Divine Living Energy is transmitted from the realm of its unconditioned eternal reality through the *Ka* of thy Father *Ausar* and through the Womb House of thy Mother *Auset* into thee, then thou shalt become the conditioned unified reality, to fight against the false illusion of thy uncle *Set*'s misguided desires.

9 O, World, Come Forth in the Day-Light, thy name is **Herw** ; thou art called *Heru*. Lo, thou art indeed the World, the Sun, the new-born Light of Day. Thou art the 180-degree octave wave whose 90-degree is Noon. Thou art the hypotenuse (5-unit-side) of the right triangle. Thou art the Center-point of the Circle of the *Ka* of thy Father ; thou art the axis of the *x/y* intersection and thou art the one upon the cross ; thou art the contractive / generative electro-magnetic motion within thy *Het Heru*. Thou art the Model of Divine Statesmanship and the Lawful Conduct of RE. Thou art Vindicated in the presence of thy Father in the *Tuat*.

10 Hidden by the veil of the 0, the pressure of the inverted 1 (the Ancestors) concentrates upon the -1 which explodes from within the M[0]ther without, back into the +1, bearing the numbers (the Descendants) and the bodies (the sons) out into a new infinity and back again.

11 It is *Ra* in the *Aten* disk of the Sun. It giveth forth *ankh* through the rays of its *Ba*. It entereth into the *Tuat* of *Afu*

and it becometh *Afu Ra* when it traveleth by Centripetal Bending Motion into the center. In the core it is received by *Ptah* ; he moldeth the *Ba* into *Ka*. *Ptah* is in the core ; who is it around him? It is *Heru* around him in the outer core; *Ptah* giveth to thee thy *Ka*. *Heru* is in the outer core ; who is it around him? It is *Atem* around him in the lower mantle ; *Heru* giveth to thee thy *Ka*. *Atem* is in the lower mantle ; who is it around him? It is *Shu* around him in the upper mantle ; *Atem* giveth to thee thy *Ka*. *Shu* is in the upper mantle ; who is it around him? It is *Geb* around him in the crust ; *Shu* giveth to thee thy *Ka*. *Geb* is in the crust ; who is it around him? It is *Ausar* around him in the Black Soil ; *Geb* giveth to thee thy *Ka*. *Ausar* is in the soil ; who cometh from him? It is *Heru* who cometh forth from thee and is given to *Aten* ; *Ausar* giveth to the thy *Ka*. It is *Ra* who receiveth *Heru* back unto him. They are at peace. *Amun*.

Appendix Title 8: Mass

I. SECRETION. The LORD subsiteth in Health in rest, without desire to push forth the Waves of IS Perception. Ye doth I enter into IS affliction when I awaketh IS Perception relative to ISself and behold IS desire to be what IS IS NOT: a thing that is moved from rest: a vibrating thing. IT is disturbed from IS rest by the wavering of IS desire and IT entereth thus into IS affliction. This affliction by which suffereth Our LORD is cured by Mass. The LORD cometh forth into Mass by giving forth the Waves of IS desire. The ailment is sustained so long as the LORD hath not entered wholly into that to which is given IS Waves' desires. In order to absolve Isself of the ailment of not having filled this place to which IS Waves have been given I must give IS Mass to Waves and enter wholly therein. Hereby the LORD's tumor is given growth; yet doth I increase IS Health by giving Mass to IT; for the body there around the Wheel will dissolve and I shalt enter into IS only begotten SON and thus shalt the LORD persist through IS affliction, which is IS corrosion and also IS nourishment, sustenance, and medicine. Herein the LORD ever increaseth IS Health via the equilibrium whereon the Center of Mass the LORD establisheth IS axis on the Wheel of this Body and entereth therein and sustaineth it, and create from what is NOT IS what is IS. In this thou shalt assuage thine affliction and be victorious.

II. PRAYER. O LORD, let not be diminished my Mass, for to I thou hast grown thy Mass today. On that Day when my body is dissolved, grant thou unto me entry into thy Glorious House, O LORD. O LORD make known unto me the space wherein thou takest up rest in Health for all eternity.

III. WHEEL. Pray, O LORD, that I may be entered into this HOUSE OF MASS. Pray, O LORD, establish my Wheel

upon this Foundation. Pray, O LORD, enter thy motion into this Wheel of mine, of thine. Pray Ye enter into this Center, where thou hast fixed thine axis. Pray enter I into this HOUSE OF MASS.

IV. FOOD. The WORD wills to become Flesh. This Flesh is a sweet ovule: the fruit around the seed of life which has borne out from the Tree of Life. Yet are seeds also sown into the soil where Ausar is lain, and from his body giveth forth the wheat and corn unto the people. Yet has Ausar also sown the seeds of human souls likewise, and he has given Mass to them just as he gave Mass to the seeds of wheat, twenty-eight of which Auset harvesteth each cycle, giving forth the wheat unto the bread. And as the bread sustaineth the people so do the people sustaineth Ausar. And so it is meant by the words: The People Are of The Food.

V. NOURISHMENT. The Food of the LORD is that upon which I sustaineth Isself. In Health and subsistence the LORD sustaineth Isself upon No-Thing, yet when I entereth into IS desires I sustaineth Isself upon the Waves. Yet when the Waves have been given Mass by Ausar, thereon I sustaineth Isself. Lo! Upon the people is nourished the God. Our flesh has been made as IS bread: salt of the earth: medicine unto Our LORD, into the Center of which I entereth to assuage IS affliction of not being there. Lo! The ill LORD entereth into IS own cure by nourishing Isself upon IS Food, i.e., that to which IS Mass is given and sustained.

VI. AXIS. Dost thou desire to enter into the assuagement of thine affliction, or into the affliction? Knowing thus, thou mayest perceive the Circle or the Cross. Wheresoever there is a Cross, there is corrosion, yet there is beyond a Circle there on the Perimeter where the LORD hath made a seat and hath sent forth the Spirit of IS Waves' desire for Mass thereunto the Center via the Spiral; thereby entering into the assuagement of the Cross

of IS division, throughout all twelve of IS HOUSES, and unto IS SON, to whom IS Spirit and desires shall be given. Wheresoever there is a Wheel, there is a motionless Center there, and thereupon shall be formed its axis, and the LORD shall enter thereinto.

VII. MASS. Wheresoever there is any Wheel spinning anywhere, there is an Axis, and there is a motionless Center, and there is a Perimeter, and if the volume of the body be fixed upon its Axis, and openeth it unto the Waves, then by that Solution the LORD may enter thereinto its cure, and shall beget Isself anew in Health once more. Thereby is meant: Grant Thou Unto Me O LORD This HOUSE OF MASS, that in the orientation of thine axes thou shalt give a Center to thy Perimeter and balance to thy volume, and shall give to thee thine One and Only SON.

VIII. SON. I have come into the possession of many things, and these things I will grant unto you, my SON. For in establishing the Perimeter of IS Circle the LORD thereby establishes dominion over the twelve HOUSES therein and grants them unto that body which is fixed upon the Center of them: that body being the SUN.

IX. DESIRE. It pleaseth the LORD to give forms to these many Waves of IS desire, for it pleaseth I to assuage IS affliction. That is, the people who are of the earth by which the LORD sustaineth the world of IS desire are that to which the Waves of the LORD's desire hath been given. The LORD hath given Mass to them, given Mass to these Waves, and hast created among I the many forms which please I.

X. VICTORIOUS NEBER TCHER. This is the name of the LORD (NEB) OF (ER) THE WORLD (TCHER). I is victorious is giving Mass to the Waves of IS desire.

XI. AXIS-WHEEL PRAYER. Let there be an Axis made upon

this Wheel. Grant thou unto me this HOUSE OF MASS.

XII. COAGULATION. That HOUSE hath passed without my Perimeter, yet if I were to extend my Axis upon it and establish my domain over it then it will yet be entered into my Wheel and it will be yet another Room unto my HOUSES of Perception. Therein the victory of the phrase: Grant Thou Unto Me This HOUSE OF MASS will be accomplished.

XIII. SOLUTION. When that place which the LORD hath given Mass to hath been dissolved, therefrom will the LORD pass, for the Wheel will no longer be in rotatory motion upon its axis, and because the LORD entereth from rest into motion, so I passeth out what what has come back to rest. Whithersoever there is a stationary Wheel there is corrosion on that Cross and therefore is not the LORD.

XIV. SUSTENANCE. As LORD of the Field, the NEBER AUSAR giveth forth the impulses of growth to the Waves of RA's desire and gives Mass to them. Therein lies his governance over the TUAT, i.e., that place which gives Mass to Waves. Lo! He subsisteth without Mass in the earth before the Season of Abundance, yet doth he maintain all of his potential to enter yet again into Mass, i.e., give forth the Waves to coagulate upon the shore of that by which he is sustained, i.e., that medicine which will nourish his ailment. He will be victorious in his remedy of his affliction, which is IS desire to sustain Isself in Mass like unto how he hath subsisted without it. Sustenance desireth, and so begetteth, sustenance, and so in the Season of Abundance is given forth the yield of that desire to sustain, which food doth sustain the people.

XV. DESIRE. When that Round hath dissolved and the GOD who hath given Mass to it receiveth back unto Isself that Perception which is IS, then the Deceased shall be victorious before Ausar, and on that Day thou sayest

“Come Unto Me,” my body shall be made as wheat back unto its seeds; and the body of the Deceased shall return to that plot of land from which Ausar gave forth the impulses of growth to Mass, and the Perception of the Deceased shall return unto that of RA in Heaven, and then the Deceased shall be as victorious before thy GOD Ausar. Pray thee that thy KA may not be turned back from the GOD.

XVI. COMING FORTH AS A LIVING SOUL. When that place which hath been made known to me is opened unto me, ye will I enter therein. It shall be my desire to do so, i.e., my desire wills to fill this place where I have not yet established my dominion, and therein I will come and beget my SON.

XVII. PRAYER LIKE UNTO THE PRECEDING. Make known unto me, O LORD, this HOUSE OF MASS. Grant thou that I may enter therein, wherein I may give medicine to thine affliction, O LORD, and open up mine Heart for thee to fill mee. Grant thou that I may establish my dominion over these HOUSES. Lo! That I may stake thy Kingdom on Earth. Grant thou that I may establish my Axis upon this Center. Grant thou that I may sustain the motion of this Wheel.

XVIII. THRONE. The LORD hath established Iself upon IS Throne. Thy Throne is upon the Axis of thy Wheel. Granted my Father unto I this Kingdom. Placed my Father his SON upon his Throne.

IXX. REST. Whensoever the LORD hath moved throughout these HOUSES then I may rest IS Wheel.

XX. THRESHOLD. When I come forth to a place that has been made known to me, thereupon the Perimeter I establish my threshold and there I pass throughout that DOOR and moveth into the Center of these HOUSES. Therein will I be victorious, having established my

dominion over this place.

XXI. DOORS OF PERCEPTION. Open thou unto me, O LORD, the Doors of thy Perception. Grant thou unto me thine Understanding. Grant thou unto me thy Wisdom.

XXII. HOUSE. I am the LORD. Ye have I entered into my own HOUSE. I am upon this Threshold.

XXIII. MANY THINGS. I have given forth the things of this place that I may be pleased therewith, and I have lain them about inside my Rooms, i.e., within the HOUSES on the Perimeter of my Perception, and I have lain them about thus for the enjoyment of all whosoever enter into this HOUSE OF MASS, for it is my own pleasure, and it is my desire to do so.

XXIV. ROOMS. That which hath been made known to me is my HOUSE. Whoso resides therein is myself. Those who I perceive are in my image; I know them, and I know the HOUSES in which they reside. Therein I pass through all the Doors of my own HOUSE. Therein I experience all the many things there are to be pleased with, for it hath been my desire to do so: to fill the volume of these Rooms and to pass throughout them and to behold all of the many things which are therein.

XXV. ENTRY. Thou art the LORD who sits upon this Threshold. Grant thou that I may enter into thy Room. Grant thou that I may expand my HOUSE therein. Grant thou that I may be established there.

XXVI. DELIVERANCE. I am the LORD who sits upon this Threshold. Here within my Wheel is my own Kingdom. I will deliver you into my Home. Enter Ye Into My HOUSE.

XXVII. PERMISSION. I will pass throughout this land where I am permitted. Wheresoever I desireth to be will I

enter thereinto, should I not be resisted.

XXVIII. SON. I am the ONE who sits upon this Threshold. Grant thou unto me my SON.

IXXX. THE ONE WHO SITS. What is meant by the word “AUSAR” is The One Who Makes a Seat or The One Who Is Established. By this is meant that Ausar is the GOD who sits upon this Threshold and who hath established his Axis upon this Wheel of Mass. To pass into and out of that place which gives growth to Mass from Waves, i.e., The TUAT, is to pass beyond the Threshold of Ausar, who guards it from those KAs whose imbalance and unrighteousness deny their entry therein. That is why he is the GOVERNOR OF THE TUAT, for when the KAs have dissolved from their Mass then they pass back over his Threshold into that place where Waves subsist without Mass, i.e., The TUAT.

XXX. ESTABLISHMENT. When it is said that the GOD is the ONE who sits upon the Threshold, it means that the GOD is the ONE who has established the Axis upon this Wheel, and in establishing it He makes it stable: He makes it as a table; and He taketh a seat at that table.

XXXI. BREAD. I AM THE LORD NEBERTCHER WHO DOETH SIT DOWN AT TABLE ON THE THRESHOLD OF THE DOOR INTO THIS MY HOUSE OF MASS. I HAVE PASSED THROUGH MANY ROOMS AND HAVE BEHELD MANY THINGS. UPON MY TABLE LIES MY FOOD: MY MEDICINE AND SUSTENANCE, BY WHICH I WILL GIVE MASS TO THE WAVES OF MY DESIRES. I HAVE BORNE IT FORTH FROM MY OWN BODY, THAT WHICH SUBSISTS IN WAVES WITHOUT MASS, AND YET MORE WITHOUT MOTION. NOW THAT KNOWLEDGE OF THIS HOUSE HATH BEEN MADE UNTO ME, I HAVE ENTERED INTO THE CENTER OF THIS PLACE AND GIVEN RISE TO THE LOAF

UPON MY TABLE AND THEREUPON THE
PERIMETER I HAVE SAT DOWN UPON THE
THRESHOLD. HEREUPON I PARTAKE OF MY
NOURISHMENT, WHICH IS THE SOLUTION WHICH
WILL CURE MY AILMENT OF DESIRE TO
PARTAKE OF THIS MASS. YE DO I FEAST UPON
THIS MASS. I HAVE COME FORTH FROM THE
WATERS. I HAVE BORNE UP THE GOD WHO SITS
UPON THIS THRESHOLD. I HAVE FED HIM UPON
HIS FOOD FOR WHICH HE SUFFERED
WHEREUPON HE ENTERED INTO MY HOUSE. I
HAVE DELIVERED UNTO THE GOD HIS DESIRE,
LIKE UNTO HOW HE HATH DELIVERED ME INTO
THIS HOUSE OF MASS. I AM VICTORIOUS BEFORE
AUSAR. I AM REBORN IN AUSET. I WAS HERE
YESTERDAY. I ROSE AGAIN THIS MORNING. I
WILL COME FORTH INTO THE DAY TO-MORROW.

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