The Root Rhythm[os] of the Dialectic

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Author's Preface. The purpose of Vignette **#5** is to 'nut-shell', for the guests of this site, **F**.**E**.**D**.'s *generic dialectical-process* interpretation for the Seldon Function progressions based on its **1**st *Dialectical Arithmetic*.

A Note about Notation. The **Encyclopedia Dialectica** notation and notational conventions, employed throughout this vignette, are described in the five '***.jpg**' images, reachable via the following link --

http://www.dialectics.org/dialectics/Welcome.html

-- by clicking on the **09/30/2011** links marked "**1**st Module" and "**2**nd Module", on the **10/01/2011** link marked "**1**st Module", and on the **07/14/2012** links marked "**1**st Module" and "**2**nd Module", in the **Prefatories Series** section on that Home Page.

Definition of the Ancient Greek Term «Rhythmos»: " *"rhuthmos"* [or «*rhythmos*»; also [Ionian, e.g., Democritus] «*rhusmos*» **=** "shape" -- AO]: in philosophy, rhythm ... -- *the name for the ordering of change is rhythm* [Plato, *Laws*, **665a**]. " [J. O. Urmson, *The Greek Philosophical Vocabulary*, Gerald Duckworth/-Anthony Rowe, Ltd. [London: **2001**], p. **148**, *emphasis added* by AO].

The root, recurrent *'rhythm[os]'* of *dialectic*-*in*-*general* -- of *systematic dialectic* and of *historical dialectic* alike -- is *'meta-monadization'*, followed by *'ontological hybridization'*.

More specifically, that *rhythm* is *'meta-monadization'* followed by *'ontological hybridization'* ['uni-formation', or 'ontological [meta-]heterosis'], followed by [re]new[ed] *'meta-monadization'*, followed by [re]new[ed] *'ontological hybridization'*.

That *rhythm*, in still more detail, is *'meta-monadization'*, *'meta-unitization'*, or *'meta-holonization'*, followed by *'ontological hybridization'*, or *'ontological meta-heterosis'*, followed by further *'meta-monadization'*, followed by further *'ontological hybridization'* or *'ontological meta-heterosis'* -- in each recurrence, with the latest, "succeeding" *'meta-monadization'* '''hybridizing''' with each preceding *'meta-monadization'*[if any], *and also* '''hybridizing''' with each preceding *'ontological hybridization'* [if any].

Definition of the F.E.D. Terms 'meta-monadization', 'meta-unitization', 'meta-holonization': The process and result of the constitution, in some degree of multiplicity, or of 'populous-ness', of the most-recently-arisen "new, never before existent *kind*" of «*monad*», "*unit*", "*holon*"*, or "*individual*", by, and made up out of, some part of the most recent *previously-arisen*/-constructed «*monads*», "*units*", "*holons*"*, or "*individuals*", thus also constituting a new, never-before-existent «*arithmos*», "[concrete] *number*", or "*population*" of such new «*monads*», "*units*", "*holons*"*, or "*individuals*", **perhaps** with sub-populations localized in multitudinous different «*loci*» of physical space, forward from a certain physical time, each thus 'instancing' a new *kind* of being; [a] *new ontology*; a new *category* of *universal ontology*; a new "*ontological category*".

*[We take the «*monads*», or "*units*" of each "*ontological category*" or *kind* [«*genos*»]; each **q**uality of being; each «*arithmos*» or "'*number*''' of individuals of the same *kind*, to be 'holons''' in 'essence-ially' the sense of Arthur Koestler].

[for more, see this site's Glossary Page: http://www.dialectics.org/dialectics/Glossary.html].

Definition of the F.E.D. Terms 'ontological hybridization', 'uni-formation', 'ontological meta-heterosis': The process and the result of the *combination* of two or more heterogeneous, qualitatively-different *ontological category kinds* or «*gene*» -- of some parts of their «*arithmoi*» [e.g., of some parts of at least some of their local *sub*-populations grasped as their *sub*-«*arithmoi*»], and, sometimes, also, combination of some of their «*monads*», expressing "ontological *hybrid vigor*", or '*meta-heterosis*', by giving birth to an unprecedented new *ontological category*", or *kind*/«*genos*», as a "*complex unity*", or '*uni-formation*', that is, as a '*uni-*«*physis*»' or a '*uni-thesis*' -- i.e., as a "'*dialectical synthesis*'", "'partial''' or "'full''' -- of those predecessor *kinds* thus *combined*, sometimes as a new «*arithmos*» made up out of *hybrid* '*neo*-«*monads*»', each of which is a *hybrid* of «*monads*» from some-to-all of the contributing, combining «*arithmoi*».

Rendering *The Root Rhythm of Dialectic* using the *Generic* Language of the 1st *Dialectical Arithmetic*: Using the *generic dialectical-arithmetical shorthand* of the F.E.D. 1st *Dialectical Arithmetic*/*Algebra*, the description of '*The Root Rhythm of the Dialectic*', rendered narratively above, can be re-rendered ideographically, for the 'Dyadic Seldon Function Meta-Models' of *dialectical processes*/*progressions* in *general*, as follows --

$$ \underset{3+}{\text{H}} = [\![\text{ᵺ}_1]\!]^{2^{3+}} = \text{ᵺ}_1 \boxplus \text{ᵺ}_{1+1=2} \boxplus \text{ᵺ}_{2+1=3} \boxplus \text{ᵺ}_{2+2=4} \boxplus \text{ᵺ}_{4+1=5} \boxplus \text{ᵺ}_{4+2=6} \boxplus \text{ᵺ}_{4+3=7} \boxplus \text{ᵺ}_{4+4=8} \boxplus \ldots $$

-- wherein the following *generic dialectical* interpretations/assignments ['⇐⎯' or '⟵⎯'] pertain --

ᵺ_1 ⇐⎯ «*arché*»-*thesis*, or ⟵⎯ «*arché*»-«*physis*»;

ᵺ_2 ⇐⎯ *first contra-thesis*, or ⟵⎯ *first meta-*«*physis*»;

ᵺ_3 ⇐⎯ *first* [full] *uni-thesis*, or ⟵⎯ *first* [full] *uni-*«*physis*»;

ᵺ_4 ⇐⎯ *second contra-thesis*, or ⟵⎯ *second meta-*«*physis*»;

ᵺ_5 ⇐⎯ *first partial uni-thesis*, or ⟵⎯ *first partial uni-*«*physis*»;

ᵺ_6 ⇐⎯ *second partial uni-thesis*, or ⟵⎯ *second partial uni-*«*physis*»;

ᵺ_7 ⇐⎯ *second full uni-thesis*, or ⟵⎯ *second full uni-*«*physis*»;

ᵺ_8 ⇐⎯ *third contra-thesis*, or ⟵⎯ *third meta-*«*physis*»; . . .

The F.*E*.*D*. 1st *Dialectical Algebra*'s '*Dialectic of Nature Meta-Equation*' as a *Specific* Example.

$$\prescript{1}{\forall}{\succ}\!\!-\!|\!-\!\prec_{3+} \;=\; \left\langle \prescript{1}{\forall}{\mathbf{n}} \right\rangle^{2^{3+}} \;\equiv\; \left\langle \prescript{1}{\forall}{\diamond_{n}} \right\rangle^{2^{3+}} \;=\;$$

$$\prescript{1}{\forall}{\diamond_n} \oplus \prescript{1}{\forall}{\diamond_{nn}} \equiv s \oplus \prescript{1}{\forall}{\diamond_{sn}} \oplus \prescript{1}{\forall}{\diamond_{ss}} \equiv a \oplus \prescript{1}{\forall}{\diamond_{an}} \oplus \prescript{1}{\forall}{\diamond_{as}} \oplus \prescript{1}{\forall}{\diamond_{asn}} \oplus \prescript{1}{\forall}{\diamond_{aa}} \equiv m \oplus \ldots$$

-- wherein the following *specific dialectical* interpretations/assignments ['$\longleftrightarrow$'] pertain --

$\prescript{1}{\forall}{\diamond_n}$ $\longleftrightarrow$ «*arché*»-«*physis*», of the *pre-**n**uclear* "*particles*" [non-Hadronic ***bosons***, ***leptons***, and ***quarks***];

$\prescript{1}{\forall}{\diamond_s}$ $\longleftrightarrow$ *first meta-*«*physis*», of '*meta-pre-**n**uclear* "*particles*" '; **s**ub-atomics "particles" [e.g., ***protons***];

$\prescript{1}{\forall}{\diamond_{sn}}$ $\longleftrightarrow$ *first* [full] *uni-*«*physis*»; formations, interactions, **&** interaction products of the $\prescript{1}{\forall}{\diamond_s}$ **&** the $\prescript{1}{\forall}{\diamond_n}$;

$\prescript{1}{\forall}{\diamond_a}$ $\longleftrightarrow$ *second meta-*«*physis*», of '*meta-**s**ub-atomic* "*particles*" ', i.e., of **a**toms;

$\prescript{1}{\forall}{\diamond_{an}}$ $\longleftrightarrow$ *first partial uni-*«*physis*»; formations/interactions/interaction products of the $\prescript{1}{\forall}{\diamond_a}$ **&** the $\prescript{1}{\forall}{\diamond_n}$;

$\prescript{1}{\forall}{\diamond_{as}}$ $\longleftrightarrow$ *second partial uni-*«*physis*»; formations, interactions, **&** interaction products of the $\prescript{1}{\forall}{\diamond_a}$ **&** $\prescript{1}{\forall}{\diamond_s}$;

$\prescript{1}{\forall}{\diamond_{asn}}$ $\longleftrightarrow$ *second **full** uni-*«*physis*»; formations/interactions/interaction products of $\prescript{1}{\forall}{\diamond_a}$, **&** $\prescript{1}{\forall}{\diamond_{sn}}$;

$\prescript{1}{\forall}{\diamond_m}$ $\longleftrightarrow$ *third meta-*«*physis*», of '*meta-**a**toms*', i.e., of **m**olecules; . . .

-- and such that --

Dyad*ic Seldon Function* '*Meta-Model*' for
'*The Dialectic of Nature as a Whole*':
Its Symbolic Elements Defined via Callouts