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# Understanding and Cognitive Meaning: An Introduction

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#### 5 Abstract

 $_{6}$   $\,$  Meaning is wider in scope as well as more precious in value than is truth . . . . But even as

<sup>7</sup> respects truths, meaning is the wider category; truths are but one class of meanings, namely,

\* those in which a claim to verifiability by their [deduced empirical] consequences is an intrinsic

<sup>9</sup> part of their [validated] meaning. Beyond this island of meanings which in their own nature

 $_{10}$  are true or false lies the ocean of meanings to which truth or falsity are irrelevant.?

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18 John Dewey, 1939

## <sup>19</sup> 1 I. Two Epistemologies

The following prolegomenon is intended as an heuristic regarding an empirical epistemology, an interpretive 20 21 framework that properly delineates our reason, the human understanding. This introduction provides a bare summary and synopsis of a radical approach to epistemic foundations, designed to challenge the extant, prevalent 22 one that arose principally from Descartes's work. The contrast between the two views may be put in terms of 23 their respective emphases, namely, the Cartesian gnostic rather an alternative Semantikal hypothesis. Gnosis 24 in Greek signifies knowledge and hence the focus of the gnostic schema, respecting its analysis of cognition, is 25 upon knowing and certainty. Semantikos in Attic Greek denoted meaning or signification, with its implications 26 27 of meaningfulness, ambiguity, meaninglessness, and understanding.

28 Certain Hellenic philosophers were oriented perhaps more toward a Semantikal perspective than the gnostic view, inasmuch as Plato and Aristotle alluded frequently to the inherent intelligibility of the cosmos, a universe 29 discernible by reason, rather than to any absolute certainty attainable by dialectic. 1 Nonetheless this observation 30 must be qualified, given Plato's domain of eidos or eternal Forms and Aristotle's "final" and complete knowledge 31 had by his Prime Mover. In modern philosophy, Descartes and Kant are foremost expositors of the Gnostic view, 32 with mathematics construed by them as by Plato as the exemplar of indefeasible knowledge. Hegel's system also 33 portrays "M idiosyncratically reason's attainment to (his) finalized truth, but he situates this within a broader 34 compass of an intelligible, hence comprehensible universe. 35

Probably all ancient and modern philosophers who have written on epistemology have referenced both meaning and understanding in varying degrees, as these are folk psychological categories that constantly inform every deliberation on such matters, no less so than the equally ubiquitous categories of truth, certainty, and knowing. In contrast, it may be argued that epistemology since Descartes is little more than a codification of folk psychology's gnostic proclivities. Beginning the seventeenth century, epistemic enquiry shifted dramatically with Descartes to an outright fixation upon certainty as the proper terminus of ratiocination, said to be consummated through a rather unspecified cognitive function called knowing.

Perhaps more accurately and charitably, folk epistemology has it that thinking leads or leads not, per each particular cognitive attempt to tentative certainty, while knowing is usually characterized as the outcome of exploratory thought, the grasping and retention of a truth finally achieved that preceding thought had studiously uncovered. But this progressive thinking is no other than understanding by stages, as sketched below. Hence, by 47 implication the gnostic folk epistemology willy-nilly shades into our alternative Semantikal schema that highlights
 48 intelligible cognitive meaning: semantikos, hereby defined.

When I first read Descartes's Meditations, his most emphatic emphasis upon the question, "Of what can we be certain?" left me puzzled as to what this presumptive cognitive phenomenon of certainty might be. Rather than taking our concept of certain knowing as a simple given and then ascertaining the extent of knowledgeable certainty's jurisdiction and extent, the presumptive faculty of knowing with its predicated certainty might instead be critiqued even as to its actual existence.

The Cartesian gnostic desideratum is epitomized by the master as follows: I shall . . . make every effort to 54 conform precisely to the plan commenced yesterday and put aside every belief in which I could imagine the least 55 doubt, just as though I knew that it was absolutely false. And I shall continue in this manner until I have found 56 something certain, or at least, if I can do nothing else, until I have learned with certainty that there is nothing 57 certain in this world. Archimedes, to move the earth from its orbit and place it in a new position, demanded 58 nothing more than a fixed and immovable fulcrum; in a similar manner I shall have the right to entertain 59 high hopes if I am fortunate enough to find a single truth which is certain and indubitable. ??Descartes, 1641 60 ??Descartes, /1960, p. 23), p. 23) Leibniz argued (e.g., 1712/1973) that though we can successfully explain 61 human actions teleologically in toto, we should also endeavor to give naturalistic ("mechanical") explanations 62 63 for the actual execution of our providence as it occurs in the world. By analogy, we might allow that cognition in an ultimate construal is somehow "one" with its intelligible objects, in the sense of a heretofore inexplicable 64 ontological and epistemic conformance of them. Yet we should, in first heuristic approximation anyway, resist the 65 esoteric temptation to give such "transcendent" explanations for the individual's understanding and the broader 66 cultural, secular development of knowledge. 67

## 68 2 Institute of Mind and Behavior

This then is the challenge: to explain naturalistically how knowledge can arise between a discrete conceiver and the
 conceived universe. The Semantiks model discloses how our proprietary abstract conceptuality furnishes access

to its intelligible cosmos, which clairvoyantly transcends the deliverances of sensorial immediacy. Civilization represents a corporate understanding among reasoners together possessed of linguistic conceptuality, all housed

73 within a shared acculturating context. Ex hypothesi, it is possible to ascertain how the actual cognitive coherence

<sup>74</sup> involved between the intellect and its intelligible cosmos obtains.

It may first be questioned whether "knowing" is an actual cognitive function: if it be a real form of cogitation 75 by which a thinker "comes to apprehend reality" or if that presumed knowing be rather an epistemic fiction, 76 inadvertently confabulated by folk psychology and its philosophical extensions. Taking Descartes's Meditations 77 or Kant's Critique of Pure Reason as paradigmatic, it may be seen that those philosophers did not doubt 78 notwithstanding the legendary Cartesian skepticism the actual existence of such gnostic constructs as "clear and 79 distinct ideas" or "synthetic a priori judgments." Their primary enterprise lay in circumnavigating the extent of 80 that knowing, so as to, in Locke's formulation, "determine the limits of human understanding," i.e., survey the 81 boundaries of validated knowledge. 82

Might there obtain legitimacy in an attempt to question that paradigm of gnostic epistemology, which emphasizes so strongly the presumptive actuality of cognitive knowing and its consequential certainty (or uncertainty, if knowledgeably unsuccessful) and to query the standard epistemic search for the "scope and limits of indubitable knowledge"? Semantiks suggests that ratiocinative understanding can account for progressive science without suppositional recourse to either Cartesian certainty or its generative "coming to know." What rationale might induce us to challenge the status of these latter as indefeasible givens, and consequently to seek an alternative to them in any identification of a more empirically oriented epistemology?

(1) A strong intimation that knowing is not a fundamental cognitive function but at best a subsidiary one -if 90 indeed existent at all -is hinted by the epigraph to this work from John Dewey, on the indefinitely greater extent 91 of meaning over that of verifiable truth. The keynote of Dewey's excerpt regards that far greater generality of 92 meaning over truth valuation, wherein is to be found an extraordinarily suggestive insight. "Meaning" to be 93 explicated is the genus to which truths, i.e., "certain" knowledge, are but a subclass. By Semantikal hypothesis, 94 95 there would exist an actual cognitive function that generates intelligible meanings, while "understood truths" would be produced by a further, higher order cognitive determination. Contrarily, even if there were such an 96 actual gnostic faculty of knowing that in a consummating intellectual operation grants us certainty, then before 97 one could attain to that status of absolute certitude one provisionally first must have understood the meaning 98 of the proposition under scrutiny. This assessment may be illustrated by a pair of antithetical statements: It is 99 100 raining.

#### <sup>101</sup> 3 It is not raining.

These contradictories, to an incarcerated and incommunicado person locked in a dungeon, would be completely indeterminate as regards their respective truth values. Notwithstanding, the prisoner would be able to comprehend unequivocally the cognitive meaning of both disjunctive propositions, though would not be able to verify in such opaque circumstances which one were the veridical disjunct. That this is not an unusual or contrived example can be seen, if someone were asked (say), "Was the sun shining all day or not on October 3rd, 1900 in your hometown?" Our inability to immediately supply an unequivocal answer betokens our "uncertainty"
 regarding the event but not our undeniable capacity to understand the question put to us.

Frye and Levi (1941) expound a logical dictum implicate with Dewey's pronouncement: truth value cannot be assayed and assigned until meaningful propositions are first formulated. And always keep in mind that such objective truth value is epistemically distinct from (fictitious) subjective Cartesian certainty about such truth.

## <sup>112</sup> 4 II. Cognitive Meaning Centralized

(1) That contradictories may not be evidently determinate as regards their truthfulness, yet completely 113 determinate respecting their intelligibility qua propositional content, underscores in a formal fashion the 114 subsuming generality of cognitive meaning over verification. Therefore the emphatic centrality of knowing and 115 certainty within gnostic epistemology appears a probable misdirection. Employing Dewey's metaphor, if cognitive 116 meaning is an ocean then the territory of "certain knowing" must be seen as small isles against the oceanic 117 background of intelligible semantikos. Why should one fixate merely the figure in any given scenario rather than its 118 all-encompassing ground, as though the latter were conceptually invisible to us? This contrasting generality gives 119 120 us the first reason for jettisoning the traditional epistemic overemphasis upon "finalized indubitable knowledge."

121 (2) The second posit against gnostic epistemology concerns the paradigm's explanatory poverty. Even if one grants that there were some sort of absolute knowledge or even any form of "knowing," partial or complete, the 122 123 gnostic interpretive apparatus would cover only those islands of truths beyond question within the indefinitely larger ocean of rational meaning. Consider the other miscellaneous types of organized meaningfulness in the 124 domains of our understanding, as (say) the "meaning" of the Ninth Symphony or Newton's Principia; or less 125 exaltedly, the sensory schemata that endow familiar recognizability to our everyday perceptual surroundings; and 126 the punchline of an ironic witticism. 2 (3) Not only is there no comparability between the respective numbers of 127 typical instances that can be ranged beneath classes of semantikos versus certitude. 128

(Non-semantikal meanings as within music understanding are here termed intuitive sensibilities. They will 129 130 be treated in greater depth within my forthcoming tome, of which this monograph is a synoptic prolegomenon.) 2 "The college I went to turned out some great men." "When did you graduate?" "I didn't exactly graduate. 131 I was turned out." ??Braude, 1964, p. 34) This joke typifies in several ways irony qua inverted meaning. (1) 132 It initially appears that the speaker is to be placed in the company of certain "great men"; when in fact he 133 "turns out" relatively insignificant in their presence insofar as he did not even graduate from college. Such an 134 eventuation bespeaks an inversion of implied stature, an antithetical contrast that informs typical irony in that 135 what is stated is opposite to what is meant, wittingly or unwittingly. (2) The jocularity pivots upon a term's 136 equivocatory meaning, "turned out." In the first statement, it means to productively generate; in the concluding 137 punchline, it means to expel from an educational institute, to disenroll from matriculation. By means of that 138 139 semantical equivocation, the irony of the punchline is highlighted. For what was implied as extremely positive 140 self-flattery turns out negative in the extremely periodic contrast that is the essence of irony qua lampoon. (3) The 141 speaker's satirization of self appears inadvertent. This constitutes another expressive form of irony –a contrast between expectation and reality -in which one's inflated and delusional self-estimate continues unabated despite 142 143 heightened disconfirming evidence to the contrary.

Gnostic epistemology maintains a hyperbolic inversion of their proper order of inclusiveness. By this is meant 144 that, when centering our investigative attention on cognition wholly through the lens of that gnostic template 145 (e.g., "How far does our certainty extend?"), we pass by the entire field of semantikos within which any ostensible 146 certain truth has its intelligible ground. Put more pronouncedly, it is "certain" truths that manifestly are 147 incorporated beneath semantikos, not the other way around. Seen otherwise through the gnostic perspective, 148 much or all of the genus that constitutes meaning fulness, excepting semantics and semiotics, is in practice left 149 150 out of epistemological disquisition as if it were already perfectly understood. Hegel paraphrased the Socratic method, writing that it is precisely that which is most obvious to the point of conceptual invisibility that is most 151 in need of expository clarification. 152

Again, intelligibility per elementary logic is the genus subsuming truth values. Accordingly if we direct the 153 orienting modus operandi of Semantiks upon conceptual meaning and understanding, our possible comprehensive 154 inclusion and explanatory provess expands immeasurably insofar as so much more cognitive phenomena fall within 155 the purview of meaningfulness rather than of certainty. Nevertheless, objective truth value of course still must 156 be accounted for in Semantiks as in the gnostic schema, but there as a function of understanding sans certainty 157 and absolute knowing. Our dutiful epistemic burden and obligation increase commensurately therewith in terms 158 of greater explicative requirements when facing such an expansive array of semantikal phenomenology. The 159 recompense is that should we fathom the outlines of a genus, a fortiori will its inclusive species be delineated 160 161 more clearly in the procedure, per Aristotle's Categories. Translation: once semantikos is comprehended as 162 to its defining generic parameters, its species will take on a Kantian architectonic unity. Anticipating my 163 argument, semantikos is a natural kind underlying every homological form of rational understanding, which includes music, scientific hypothesis, mathematical deduction, humor, logic, and language inter alia. Staged 164 ratiocinative semantikos is the means whereby the intelligible cosmos in its multidimensional systematic entirety 165 comes to "makes sense" progressively for our intellective thought. 166

Tentative terms and methodology may be established for a summary investigation into cognitive meaning. Semantikos is the meaningful cognitive product that is generated by its fundamentally underlying cognitive process called ratiocination. By way of analogy, there is a proportion between the ostensible gnostic faculty of knowing with its outcome of certainty, and that of the actually existent interpretive function of ratiocination with its own upshot of semantikos. Further, there can be no cognitive ordering by ratiocination without a correspondent expression of semantikal meaning or vice versa either conscious or otherwise. To emphasize this indissociable nature of ratiocination and conceptual meaning, their totality is termed understanding. Understanding, then, is the total process of ratiocination in its act of generating semantikos, as this generic meaning manifests in various contexts to be explored.

Additionally, while the denotation of "semantikos" is explicitly delimited here to cognitive meaning rather than 176 to (say) "aesthetic meaning" or "empathic meaning," semantikos indeed is implicated in such intuitive sensibilities. 177 Like perception, their intuitive contents undergo sublation ("semantikal raising") into cognitive schemata and 178 thereby obtain conceptual signification, as when otherwise inherently meaningless visual percepts of printed ink 179 on paper become intellectually understood by their being read. Though the term "meaning" in English denotes 180 intention, purpose, and signification, it is solely this last character being examined presently. Of course in actual 181 thinking cognitive meaning cannot be divorced from such as emotion, motivation, and providence excepting in 182 pathologies yet nonetheless semantikos may be intellectually abstracted for greater expositional clarification of 183 its presumed relatively autonomous functions within the mind as an operative totality. 184

Finally regarding nomenclature, Semantiks signifies the study of cognitive meaning in its various parallel instantiations, hypothesizing the nature of the ratiocinative process that brings into being those varied expressions of semantikos. By semantics is meant ordinarily the analysis of linguistic meaning; here it is assumed that language has no monopoly on cognitive meaning as such, being but one domain among many within the totality of semantikos. Howbeit, language stands alone as the first construction and ongoing instrumentality of ratiocination for the elaboration of semantikal conceptuality in its entirety.

Above was referenced an ocean of meaning within which objective truth appeared as scattered islands. 3 This 191 imagery of ocean and isles sounds much like Gestalt Psychology's distinction between figure and ground. The 192 suggestion is not simply an intended analogy but instead should be construed as homology: certainty qua figure, 193 meaningfulness qua ground. If we objectively examine our cognition, especially learning per se, what act do we 194 find ourselves engaged in during virtually all its moments? How often does the pole star of "fixed certainty" 195 appear relative to those times of understanding or at least attempting to come to an understanding? Whether 196 comprehended speech of formal learning comes from a textbook or classroom lecture or within a more informal 197 setting as by interlocutory discourse or silent thinking, incessantly we are occupied cogitatively in a tentative 198 process of progressively coming to understand thinking as such. 199

How can such cognitively global semantikos be rendered unnoticeable by a figure of truth within apperception? What happens is that the gnostic motivational impetus requiring intellectual "certainty," i.e., objective verification, invades the ocean of semantikos and fixates those figures of verified insight that stand out so prominently visible against the semantikal ground in toto. That grounding gives such truths their contextual setting and thereby their very existence qua objective and subjective "certainties" in relief against "mere" (unseen) meaningfulness. To re/orient our apperception to semantikos would necessitate a figure/ground reversal, in which habitual background became apparent figure and vice versa.

How might we induce such? A good start would be detailed re/examinations of the various forms of semantikos, its ubiquity now manifestly emergent after said transposition, asking then the question as to how we ever could have neglected the sheer number and typical diversity of cognitive meanings in favor of a tiny subclass of their confirmed instances.

What this continuous cogitation engenders is a routinized, experiential familiarity with the operation of 211 understanding, viz., thought punctuated by salient highlights of semantikos characterized by folk psychology 212 as moments of insight. When these moments of insightful understanding consummate comprehension and are 213 believed to constitute instances of eureka truth, especially after periods of long discursive exploration, they become 214 the focus of our riveted attention and admiration: "Just what I have been searching for!" Accordingly we may 215 discern here the rationale for Descartes and the other gnostic epistemologists' fixation upon the query, "Of what 216 can I know for certain?" We have before us at all times the vast and omnipresent conceptual field of meaningful 217 understanding, so ubiquitous that semantikos becomes imperceptible to our introspective observation; compare 218 the perceptual phenomenon wherein a stabilized retinal image quickly fades from vision. The rare prominence 219 that stands out in relief against that transparent meaningfulness barring ambiguity or outright meaninglessness 220 are those instances of confirmed, validated meanings that have been insightfully discovered. 221

Within our apperception, "certain knowledge" (read: objectively validated insight) is the salient figure manifest against the invisible back/ground of oceanic cognitive meaning.

As per Semantikal postulation our ratiocinative understanding is the true ground and essence of human cognition, then when the "limits of knowing," "indubitable certainty," and "un/certain knowing" inter alia are spoken of, such talk must be misinterpreting the nature of thinking because of folk psychology's and gnostic epistemology's distortions and fictitious impositions upon our introspective deliverances. To set the picture aright, that characterization should be transposed from the gnostic scheme to our alternative paradigm.

In Cartesian perspective, there is a gnostic spectrum that ranges from nescience (ignorance) to uncertainty thence to certainty. In Semantikal terms, the proper cognitive continuum runs from meaningless to ambiguous or vague and thence to meaningful. Insight represents a moment of maximally coherent semantikos formation, which qua hypothetical schema admits of varying degrees of probable dis/confirmation; its distorted parallel gnostic version stipulates certain knowledge as the consequence of coming to know.

A glaring anomaly appears before our folk gnosticism that necessarily contests whether there actually be such a cognitive function identified as knowing. There has never been any body of knowledge, even -indeed especially within -science that might be considered finalized. I am not here repeating the academically fashionable shibboleth that no knowledge is ever complete. I instead maintain, There exists no cognitive function above and beyond understanding that could generate anything except semantikos.

That reservation emphatically includes any supposed Cartesian "un/certain knowledge." To state that certain knowing is nonexistent is not necessarily to imply that there ever obtains only uncertain knowledge, insofar as ex hypothesi there be no actual faculty of knowing that establishes or determines certainty to any degree and whose functional privation would eventuate in a contrary uncertainty. When we affirm that "There is no knowing," this is not meant to signify that there is only uncertainty throughout our cogitations for that would imply an acceptance of the dichotomous certainty versus uncertainty posit. strongly suggest the feasibility of simply eliminating entirely such unnecessary gnostic complications.

What is notoriously undeniable in the realm of scientific advance, namely, that complete and unequivocal 246 understanding is unattainable, surely holds in our everyday transactions with the uneventful world, in the 247 248 sublunary constructs formed by a less exalted mode of understanding. A psychological sense of certainty is 249 absolutely no guarantee of sound conception even if Cartesian criteria as clarity and distinctness were added 250 thereto. Any person might adduce myriad instances in this life where conclusions theretofore seeming intractably indubitable have come crashing down when refuted by further evidence, experience, or logic (Frye and Levi, 251 1941). Within science and our mortal realm there evidently manifests no cognitive function as knowing that 252 constructs let alone guarantees any kind of permanent, unequivocal knowledge. 253

When naïve apperception looks at cognition "from the inside" as duly informed by folk psychology, it sees a 254 function of knowing. This may be understood in our Semantikal analysis as essentially a composite of ratiocination 255 in its act of generating coherent semantikos followed almost immediately by a consequential rational assent. The 256 latter's emergence from validated or selfevident insights qua schema/tic hypotheses generate cognitively firm 257 articulates that do not blow away with the first challenge to their presumptive veracity, which beneficiently 258 prevents us from relinquishing successful interpretations that have repeatedly proven their worth. Nonetheless 259 insofar as all "knowledge" (confirmed hypotheses) is inherently and ultimately provisional, necessarily applicable 260 only within delimited contexts, there must be an operational egress to keep schemata from becoming permanently 261 262 ossified and thereby precluding more comprehensive and veracious schemata from being eventually attained through further enlightening thought. This is where imagination so eminently variable among individuals 263 enters the fray on behalf of obsolescent ratiocination. Creative imagination can plasticize constructs when 264 and where their limits of efficient application break down. Such cognitive adaptation is required either for 265 better accommodation to the facts or to other components of the reticulated totality of semantikos, making 266 for more comprehensive logical consistency. Our intellectual economy and equilibrium are in this way balanced 267 between forces of malleable renovation and unyielding staticism. 4 4 The average understanding prefers its 268 cherished prejudgments to the emotional hardship of questioning, let alone overturning its unworkable ideologies. 269 It appears to be not a coincidence that those who are most ignorant tend to be those who are yet most omniscient 270 in their own eyes. It is rigidifying belief that constricts both flexible thought and thereby an appreciation of one's 271 own limitations in apprehending other and deeper insights. As Schopenhauer wrote, many people would rather 272 die than think. If it were rejoined that of course our certainty is always only tentative then by that proposition 273 we have returned right back to the epistemic starting block. What is this certainty -is it a genuine reason/able 274 function or a fictitious one indeed might it somehow be a contextual expression of semantikos rather than a 275 real cognitive phenomenon in its own right? If perchance knowing were a species of ratiocination, which latter 276 represents knowing's genus, their respective products of certainty and semantikos should also show that same 277 classificatory relationship of superordinate to subordinate. But our other rehearsed arguments 278

## <sup>279</sup> 5 IV. Semantikal Epistemology

There are at least three reasons why traditional epistemology concentrated so exclusively upon the gnostic 280 leitmotif when assessing cognition, rather than investigating the nature of semantikos, excepting only linguistic 281 meaning or semantics, a major investigative topic since antiquity. That threefold rationale: (1) a motivational 282 impulsion strives for cognitive closure qua certainty, which motive intrudes upon our introspective thought by 283 perfervidly seeking and emphasizing "isles of truth" rather than their grounding semantikos; (2) folk psychology's 284 285 categories of cognition, singular priority being given to "knowing with certainty" while taking for granted and 286 hence obliviously overlooking ratiocinative, semantikal themes; and (3) superficial naïve introspection seems 287 indeed to divulge a faculty of certain knowing, reading that folk psychology construct into our apperceived 288 thoughts. This last observation merits further consideration.

Let us try whether otherwise hazy and nebulous "certainty" might be more naturalistically interpreted and clarified by its bifurcation. Whenever an insight is formed via ratiocination, whether it expresses profundity or partakes of a more pedestrian character, there appears pari passu pervasive judgments therein, which may represent either visceral belief or rational assent. The former denotes Hume's (1739-1740/2000) "vivacity of impressions," i.e., intense sensory perceptions that by their very forcefulness determine which of various "ideas" are accepted as real or which behaviors should be undertaken. 5 So much for epistemic un/certainty. The Cartesian scheme now may be summarily discounted.

### <sup>296</sup> 6 There is no actual cognitive function that answers to

Sensorimotor schemata of both humans and infrahuman animals are in fact tailored to immediately presenting 297 298 environmental exigencies, producing visceral belief upon relevant occasions, as (say) which foods to eat or what 299 predator to avoid. These consequential primitive beliefs are a function of elementary behaviorial conditioning, not of rational assent proper that devolves solely upon ratiocinative intellectual insight. A spectrum of rational assent 300 may be envisioned: from the complete absence of affirmation due to outright chaotic interpretive meaninglessless; 301 to an "uncertain" construct, i.e., one relatively incohate, ambiguous, or disordered; to the moment of eureka qua 302 "total comprehension." We italicize in passing the fundamental cognitive contrast between mere "instinctive" 303 negotiations of the physical environment versus reason/able understanding of the intelligible cosmos. 304

"knowing" and as certainty is the presumed issue generated by that fictitious form of cognition, it too must 305 vanish into folk psychology's gnostic misconception. Accordingly it can be understood why indefeasible knowledge 306 307 has never yet been produced or ever can be, individually or culturally. It may be said that even as our highest 308 empirical expression of rational cognition, scientific knowledge, begins and ends only in hypothetical constructions, then this must be the essence of human ratiocination: to assimilatively and generatively understand continually 309 310 higher orders of semantikos yet never to complete that progressive endeavor. 6 Undoubtedly we possess a cognition 311 that grants an order of probability and nothing more to our equivocal inferences. If we assume im/probable inferences in place of consummating un/certainties, we may with justification consider junking the very posit 312 of any cognitive faculty designated as generating certain knowledge, a faculty that appears to do little or no 313 Therefore, knowing and its product of certainty are definitive fictions most properly understood as confabulated 314 delusions, though the origins of these in apperception and folk psychology are perfectly comprehensible. 315

Thus, though there be no actually existent cognition that determines for all time absolute truths, yet 316 undoubtedly we possess objective knowledge. There is first the formation of intelligible propositions and 317 318 interpretive schemata; thence the establishment by empirical investigation of successive working hypotheses. This is the challenge posed to Semantiks: to delineate an epistemology of that objectively verified understanding, 319 320 tendered only in terms of ratiocination and semantikos bereft of knowing and certainty. How might such vindicated objectivity manifest by understanding alone? 6 The proposition that "meaning is inexhaustible" 321 (David Bohm) is a metaphysical postulate, insofar as the intelligible universe itself is inherently open-ended as 322 to its innumerable interpretations. And semantikos as understood intelligible relations is precisely the cognitive 323 phenomenon that is to be elucidated through the programme of Semantiks. An objection arises at once. "It is not 324 325 sought to apprehend merely cognitive meaning -there is sought in science and elsewhere, confirmed propositions. 326 Not merely to understand in a bald sense the particulars of competing hypotheses, but to know for certain 327 which of those meanings corresponds to reality -that is what Descartes and science itself are getting at." This 328 demural confuses the issue. There is indeed objective knowledge but it comes from an actual cognitive function of understanding, not through a fictive one of knowing. The confusion arises by continuing to assert the very 329 330 folk psychological categories in question -a petitio principii. What folk psychology calls certain knowing may be elucidated properly as understanding within a context of probable confirmation. 331

explanatory work anyway and which is probably nothing except a holdover from folk epistemology. In other words, it should be tried whether probable hypotheses might be generated by ratiocinative understanding alone, shorn of any ostensible confirming function carried out or finalized by an epistemic spectre called "knowing."

In this way we obtain simplicity of hypothesis for our Semantikal schema. There would be only ratiocination elaborating semantikos in its various forms while the relative verification or refutation of inferential constructs would admit only of an ultimately indeterminate veridicality. The objective determination of relative truthfulness would be given by some integral and higher order function of the understanding itself, which is responsible in a first order function for the meaningful, intelligible construct's original generation.

A term for patterned forms from Gestalt Psychology, gestalten, emphasized the spontaneous organization of maximally coherent percepts. In visual perception these articulated gestalten are segregated into figures collectively constituting the sensory field "out there." Such sensorial gestalten are cognitively sublated and thereby obtain abstract conceptual significance; we recognize (say) the functional utility of rakes, thrown horseshoes, and edible apples. A concept is its own gestalt, the abstract equivalent of such percepts; and while percepts manifest as those articulated entities within sensory fields, concepts homologously compose their own conceptual fields called schemata.

A relative lack of coherence among cognitive gestalten is ap/perceived as ambiguity or incoherent vagueness, as with an incompletely understood homework assignment. A complete absence of initial ordering, or a subsequent disordering of formerly cohesive construction, is experienced as outright meaninglessness of which it may be presumed that there are as many varieties as there are of meaningfulness and ambiguity.

Abstract conceptuality has a hierarchical structure comprising nested levels. The three generic and principal forms are concepts, schemata, and the culminating reticulate. The concept is an elementary unit of meaningfulness within this hierarchy; it consists of a discrete construct built by ratiocination. The schema is the next subsuming level of cognitive meaning that encompasses concepts and structures their "contextual meanings," e.g., a common noun qua concept within the denotation schema. Schemata qua abstract interpretive frameworks are epitomized

by the various scientific models and theories. At the apex of conceptual meaning, the reticulate represents 356 the totality of semantikal structure within an individual mind, i.e., the implicit articulation of all universes 357 of discourse. The reticulate is the "total meaning" that constantly informs wakeful thought, an articulated 358 359 cognitive universality always implicitly accessible in its relatively seamless aggregate to one's conscious purview. 7 Metaphorically, ratiocination as the impelling power of understanding "moves through" that implicit reticular 360 totality of meaning at every moment of cogitation, even if only an infinitesimal fraction thereof is available to our 361 conscious attentive focus at a given moment. By means of this omnipresent totality of semantikos, a lifetime of 362 learning implicate with creative imagination can be brought to bear sometimes serendipitously upon an immediate 363 perceptual content to "fathom its deepest meaning." Thus, Archimedes cried "Eureka!" upon witnessing a "mere" 364 rise in bath water level, in which that visual-cum-tactile percept was sublated into a solution of the theoretical 365 problem of specific gravity. 366

<sup>367</sup> "Conceptuality" and "cognitive meaningfulness" were used above in an interchangeable fashion. This was <sup>368</sup> not unintentional, for our working hypothesis is that semantikos is conceptual in its inherent nature. A simple <sup>369</sup> empirical illustration of this is associative agnosia, in which perceptual ordering remains intact while the cognitive <sup>370</sup> meaning of what is perceived is absent due to that pathology (in effect, disrupted sublation). Agnosia expresses a <sup>371</sup> denuding privation of perception insofar as sensory contents are normally illumined by informative conceptuality <sup>372</sup> and recognized by memorial elicitations.

373 Cognitive meaningfulness then is conceptual in substance and not perceptual as such, i.e., perceiving bereft of concepts is meaningless ??Kant, 1787 ??Kant, /1997, B15), B15). Perceptual content is routinely sublated, 374 i.e., made intelligible by being invested with semantikal import inside our conceptual reason. For example, 375 the sensorial tones, melodies, harmonies, and rhythms of the Sixth Symphony are schema/tically ordered 376 within our audition of Beethoven's compositional design; and tabulated, statistical empirical data originating 377 in observation and experimentation are formulated propositionally and explained within schema/tic scientific 378 hypotheses. Perceptual content, insofar as it is sublated within conceptuality's orderings, becomes semantikos 379 thereby, precisely to the intelligible depth of meaningfulness that is characteristic of our proprietary cognition 380 called reason. Perceptual phenomena transmuted into empirical facts by sublation subserve 7 Regarding such 381 accessibility, in linguistics it is a commonplace observance that there is an indefinite number of reasoned and 382 reasonable responses that can be generated from an equally indefinite number of questions asked about any topic 383 upon which the interlocutor is informed. This facility represents the capacities of schemata informed by the 384 385 implicit whole of their subsuming reticulate, i.e., by the vast repertoire of past learning -articulated cognitive meanings -set within an inexhaustible engine of plastic inferential understanding. 386

scientific hypotheses for reason yet only directively inform immediate behavior for all infrahuman species'behaviors.

389 "Conceptuality" signifies here the architectonic, abstract intellective ordering among all domains of semantikos 390 within an individual psyche, inclusive of sublated perceptual contents.

Inherent in the structures of semantikos is a complementary dual nature. Articulation denotes that initial 391 ordering in which each elemental concept or sublated percept "receives it cognitive due" in the functional whole 392 schema that it helps to form in semipermanent fashion. Integration designates the "dictatorial" subsidiary 393 procedure subsequent to articulation: force-fitted applications of the schema's relatively inflexible interpretive 394 parameters are imposed so long as the cognitive template itself, when once formed, remains rigidified without 395 fundamental modification. The extreme instance of that integrative modus operandi is called curve fitting and was 396 given its historical exemplar with Ptolemaic epicycles, when the geocentric schema finally became unfalsifiable 397 due to such interminable ad hoc reasoning. Any and every given construct of semantikos is both articulated in 398 its origination and integrating in the schema's subsequent state of dynamic equilibrium. 399

This means that when a construct of semantikos is first generated, all the cognitive elements contributing 400 thereto "donate" their individualized warp and woof to that systematic, holistic unity established among 401 them. After that coherent semantikos (concept, schema) has solidified into an equilibratory state comprising 402 its constituent gestalten, further "incoming" perceptual or conceptual elements are "interpretively channeled" 403 into that relatively fixed framework. All structures of semantikos admit of this articulate-cumintegrate duality, 404 including the overarching reticulate itself. The qualification of semipermanence alludes to the ever-present 405 potential function of re/articulation, namely, to reorder extant semantikos at any level by busting up those 406 fixed equilibria through acts of re/articulation called creativity in the vernacular, if the reordering be of original, 407 comprehensive, and systematic conceptual compass. 408

The constructive form of cognitive ratiocination is the proverbial "path of least resistance," viz., the simplest directive pathways manifest throughout perception and conception (Kohler, 1947;Vernon, 1937). Whereas the Gestalt Psychologists treated of perceptual orderings inter alia, ex hypothesi only its homologue in conceptual formation constitutes semantikos as such. Otherwise inherently "meaningless" perceptual contents obtain such intellectual import solely by their sublation into those very concepts and schemata. Thus the meaningful utility of apples for purposes of cider making is "seen" only by conceptual sublation of the red phenomenal objects; while associative agnosia renders one "blind" to such practical significance by divorcing perception from conception.

Ratiocination qua ordering principle tends to generate or assimilate maximal coherence among constituent cognitive gestalten. The essential character of its constructive process is subsequently manifest in the "formal goodness" (Pragnanz) of semantikal configurations. The resultant cognitive meaning shows an imprint of its

generative cause. But what is this form? A hint is given by the parallel nature of percepts' holistic coherence 419 and harmony, epitomized in the structured visual field. In Gestalt Psychology the various forms of perceptual 420 organization, usually numbered at six, are grouped under a minimum principle (Kohler, 1947), termed the law 421 of simplicity, denoting the simplest ordering assumed by the sensorial gestalten in a phenomenal sensory field. 422 Simplicity, coherence, inclusiveness, continuity, and like terms bespeak that phenomenon we observe in all our 423 cogitation, namely, a tendency of thought toward an economy of ordering, whether in language, conception, or 424 hypothesis formation. ??oincaré (1905Poincaré (/1952) assessed scientific hypothesizing in this light when he 425 asked how it so inexorably obtained that out of all possible hypothetical scenarios, the great creators tend to 426 alight upon only those few that are maximally "attuned" to the problematic in question. 427

But if coherence of gestalten effected by the minimum principle and formally expressed as Pragnanz is the 428 essence of both perception and conception, this implies that that shared, more fundamental type of ordering at 429 bottom of them both is contrary to the traditional epistemic distinction between their kinds. Indeed, there should 430 be posed a question mark regarding the routine interaction of perceptual and conceptual modes of ordering, which 431 unthinkingly we so take for granted. For where is there any connection or interaction that must necessarily obtain 432 between concrete sensory fields and abstract cognitive paradigms? Simply because of their habitual pervasion 433 throughout our experience via sublation, that mutual implication appears so natural as to pass unquestioned, 434 435 excepting afflictions of clinical associative agnosia. A more penetrating suggestion would be that they have 436 a shared ordering type, viz., the minimum principle that somehow allows for reciprocal informing of percepts 437 and concepts and thereby underlies their crosspollination. As examples, visual images qua embodied cognitive meaning can "mean" grand solutions of theoretical problems to receptive creators as similarly Einstein cited 438 vague kinesthetic sensations as mediating his insights. 439

Ex hypothesi, then, perception and conception would share the same minimum principle organon but as 440 differentiated applications of that common organizing form adapted to their specific contents' relative complexity, 441 sensations versus abstractions -though again perception as such is inherently meaningless without its conceptual 442 sublation, for only conceptuality constitutes semantikos. The cognitive homologue of spontaneous organization 443 within organized perception would be that maximal coherence qua Pragnanz among concepts, hypotheses, 444 schemata, paradigms (meta/schemata), and within the reticulate itself. We may postulate many such homologies 445 between perceptual orderings and those of conceptuality's, using the assumption that it is the minimum principle 446 that effects those goodly formed constructs. Various such homological instantiations of Pragnanz structures may 447 be plotted. 448

Further, our reason manifests a proprietary ratiocinative compass that is "one" in expression throughout all the domains of its semantikal applications. Reason has a given intellectual subtlety indeed profundity that it may train on any subject within its proprietary cognitive purview. Thus music, speech, and conceptual comprehension in general share the same semantikal "width and depth" of abstract, systemic, and generalized meaning, which lesser species intrinsically cannot "fathom."

The exemplary culmination of our ratiocination's unitary organizing process operating within its many universes of discourse constituting reason's vast dominion is insight. As examples: (1) Ratiocinative insight manifests most fabulously in the context of creative and assimilative hypothesis formation. Perceptual data may also play a part in inducing the articulation of such conceptual schemata, as statistical and tabular formats would represent the sublated sensorial content and referent of empirical hypotheses.

(2) There is even rational "sensorimotor insight" as when a musician "in a flash" has finally coordinated the finetuned afferent-cum-efferent, tactile and muscular execution of a difficult passage, a skill that is implicate with a paradigmatic matrix of music understanding. (3) Contrarily to musicianship, the sensorimotor coordination of toddlers first learning to walk is of course not an expression of rational insight insofar as their inchoate reason lies secluded in undeveloped potentiality. Such an elemenatary attainment would nonetheless constitute a genuine instance of early "ontogenetic insight," geared toward eventual clairvoyant and providential purposiveness of rational adulthood that uses bodily deployments toward its goals in the temporal world.

Thus all exhibitions of rational insight show one common formal capacity of ratioccinative ordering that articulates abstract concepts and schemata; while its more generic minimum principle orders perception and aesthetic understanding, inter alia. Within the various sciences reasoning's typical systematicity is too evident to require elaboration, as assimilative and creative insight in (say) chemistry is no different in kind from that within physics respecting its essential logical, deductive, and comprehensive structural nature; their difference lies only in variegated contexts of application.

An illustration of definitive veridical semantikos vindicated by no absolute certainty may be given. The 472 most plausible hypothesis concerning Plato's recounting in Timaeus of the Atlantis city-state is the perfectly 473 naturalistic one that identifies it with the Aegean island of Santorin during its pre-Hellenic Mycenaean period 474 (Galanopoulos and Bacon, 1969). Literary, archaeological, geographical, geological, chronological, and cultural 475 evidence demonstrably converge in favoring that thesis. When such cohesiveness is obtained among "the facts" 476 with their varied and sixfold qualitatively unique dimensions, it might even be said that such objective consilience 477 is "too pretty" not to be true. In general, this signifies that maximal crosscorroboration of the constitutive 478 concepts ("facts") determines the probable truth of a successful hypothesis. It is this relative best-fit that 479 lies behind the plausibility of Ockham's razor and related aesthetic and organizational criteria qua Pragnanz's 480 law of simplicity. Such criterial truthfulness and explanatory parsimony as Ockham's, then, would represent 481

the conceptual expression of that same minimum principle ordering manifest in perceptual contexts as were investigated by the Gestalt Psychologists (Ellis and Koffka, 1950;Koffka, 1935;Kohler, 1947).

Semantiks can readily explain how relative veridicality of individual working hypotheses can manifest yet also 484 how they can be superseded when progressively better models and theories are developed to overcome anomalies 485 or to attain to greater explanatory compass. The better model is such because of its improved evaluative fit, 486 i.e., the more optimal coherence among its constituent conceptual gestalten, relative to other models exhibiting 487 inferior cohesion. Scientific progress consists of ever more comprehensive and accurate explanatory theories' 488 internal consilience, which ultimately must break down at the limits of their conditional applicability. Those 489 intellectual limits are hurdled through so-called paradigm shifts, namely, re/articulative creations of scientific 490 schemata within or across squared, triangulated universes of discourse. 491

The extended epistemological implication is that the very constructions of hypothetical understanding as 492 inherently open-ended forbid positing any "final comprehension." In other words, it is not merely a contingent 493 fact that science has never yet attained to any irrevocable system of explanation; it is a principled impasse, 494 at least insofar as the cosmos itself has no bottom to its intelligible substrate (Bohm, 1981). The very 495 function of ratiocination is to make the structures of cognitive meaning as concepts and schemata more 496 mutually informative by their triangulated, squared desegregation; to broaden and order more coherently and 497 498 comprehensively thereby our rational conception as a whole. Triangulation and sublation appear somewhat 499 analogous in this sense: sublated perceptual contents, otherwise intrinsically meaningless yet when so transmuted 500 by conceptual semantikos attain to empirically relevant factual status fit for hypothetical, scientific interpretation. Similarly, triangulation disambiguates not outright meaningless gestalten but instead ambiguous deliverances, 501 both perceptual and conceptual. 502

The veracity of a semantikal model (concept, hypothesis, schema) would correspond its intelligible object 503 "out there" by dint of a proportion (Latin ratio, reason) between that construct's internal logical consistency 504 and its objective referent's equivalent simplest form that that construct attempts to map. As Pragnanz's 505 structurally coherent "goodness" obtains qua logical and evidential consistency within the interpretive model, so 506 that inhering consistency in those intellective relations ideally obtains "proportionately to" the real world's 507 intelligible structures and events thus conceived. As an initial shorthand expression of this "equal ratios" 508 postulation, that proportion is sketched as follows. Ideal hypothesis: law of simplicity = intelligible reality: 509 least action. 510

an identity of sorts obtaining between "knower" and "known." The "preestablished harmony" between mind and world makes it possible for cognitive ordering to often successfully conjecture, hypothesize the most plausible interpretation of reality's many natural dimensions. Thereby the semantikal structures of our cognition, generated within the individual and collective understanding, attain to a holistic Pragnanz within conceptuality in toto, here called the reticulate.

Understanding as ratiocination is a dynamic process and not immutable stasis that proximately parallels 516 the relations had among the intelligible objects and events composing universal cosmos thus intellectually 517 squared. It may be seen by inspecting the nature of this correspondence that the hypothetical constructions 518 generated must forever be approximate and successively unfold -and never end -via creative insight and culture. 519 Again, such cognitive approximations are precisely what are observed both in mundane thought and in scientific 520 chronicles. Kuhn (1970) has distinguished the stages of hypothesis formation, consolidation, stagnation, and 521 eventual overthrow of paradigmatic sciences. Often the initial impetus to revolutionize established theories comes 522 about through recognizing confounding and intractable anomalies. Ptolemaic astronomy degenerated into a fixed 523 universe of discourse that held incontestable sway over the catalogued astronomical data in its throes. That 524 geocentric discourse epitomized the function of cognitive integration qua pejorative curve fitting, i.e., interpretive 525 force fitting at its most hidebound. A creative act of Copernican insight liberated those empirical facts from 526 the closed dynamics of the geocentric paradigm and by that act of re/articulation established a new schema/tic 527 contextual meaning for those facts, namely, heliocentrism. Even more generally, the ousting of geocentrism paved 528 the way for re/articulating the more superordinate medieval Weltanschauung that by ethos subsumed Ptolemaic 529 astronomy's strictly astronomical universe of discourse. That Renaissance intellectual revolution pertained to 530 a renovated reticulate, the highest semantikal structure within an individual mind; yet also was pertinent in a 531 figurative sense to the collective psyche when applied to institutionalized acculturation within Western civilization. 532 Kuhn struggles to account for the transience of scientific knowledge within his implicit gnostic epistemology. 533 For example, it may be asked that if the entire series of scientific paradigms be incomplete, how might veridical 534 objective knowledge ever become attainable. With Semantikal epistemology there is posited an inherent open-535 endedness of cognitive meaning, read into and out of the intelligible universe (cosmos) that is admitted to 536 be inherently inexhaustible -re/articulated interpretive paradigms are necessarily incumbent forever. We are 537 accordingly obligated to account for the objectivity of verified hypothetical With this Semantikal epistemology, 538 there is no need for recourse to ontological and quasi-mystical reputed identifications of gnostic knowing "in here" 539 with its certainly known referents "out there." 540

A conceptual schema and its conceived "object" (intelligible relations) might then be disjoined spatiotemporally as mental understanding from its intelligible objective –as neural sensory cortices are discontinuous with their perceived distal stimuli –yet still manifest progressively attained proportionate correspondence in (simplest) kind and degree between successive working hypotheses and those intellectually comprehended referents. Thereby objective and veridical knowledge become established in stages by scientific and cultural creative advances. Thought and reality's ontological and epistemic disjunction would also explain why understanding can never be absolute but only "approximately correct." Knowledge is ever essentially tentative as the history of science documents, insofar as all scientific models cognitively "in here" can be only an hypothetical and probabilistic mapping of their intelligible reality "mirrors," never constituting their identity "out there."

Fundamentally, ratiocinative understanding and its understood reality are in formal coherence within an ontological potentiality that becomes progressively actualized through creators' insights and cultural institutions' teaching thereof. Accordingly there would be schemata (theories) that manifests at every stage of progressive science, when construed solely as vindicated probable semantikos, devoid of fictitious certainty.

How is such objective and confirmed ratiocination cognitively possible, given that ex hypothesi there is no 554 ulterior and absolute truth determining function above that of ratiocinative understanding? J.J. Gibson (1966) 555 showed that perceptual ambiguity is perfectly resolved in the real world of sentient organisms by multiple views 556 of an object, determinately triangulated through locomotion and orienting movements of the head and sense 557 organs. In these contexts, the perceptual best fit of a given scenario before us is a function of disambiguating the 558 sensorial gestalten by means of those multiple vantages. 8 Semantiks has the promise of application to issues in 559 cognitive psychology, just as the nonnaturalistic, epistemic gnosticism apparently has no More comprehensively, 560 561 the so-called "cognitive" (perceptive) map (Hochberg, 1964) would be a phenomenal chart of such individual 562 articulated perspectives within an individual mind, an implicit higher order perceptual construct qua field mapping of the percepts' collectivity that tacitly and informatively guides current environmental negotiation. 563 564 By extrapolation, there is posited here a homological function for cognitive paradigms ("universes of discourse"), 565 whose inclusive concepts and schemata are abstract templates rather than concrete ones, yet whose minimum principle has a common form with perceptually organized "cognitive" maps. Ratiocinative hypotheses have been, 566 when sharing perception's ideal Pragnanz format, most efficiently triangulated, disambiguated, and re/articulated 567 by multiple interpretive "perspectives" within systematic cognitive multitasking, to bring about the maximally 568 coherent schemata and hence probable truth. For example: the present Semantiks model itself represents such 569 an attempted systematic squaring of the extant cognitive sciences toward a more consistent paradigm regarding 570 the nature of reasoning. 571

The neural isomorphism of ratiocinative understanding would be sought by using the specified parameters 572 obtained at this functional level of semantikal description. Contrariwise, if indeed knowing be not a real cognitive 573 function then no neural substrate could ever be found, supposing any viable gnostic descriptive model might be 574 devised for that purpose. Any attempt to plot neurological correspondences therefrom would be analogous to 575 Ptolemaic curve fitting of astronomical observations into the geocentric paradigm, and that after the Copernican 576 paradigm had been made known. such potential. The cognitive phenomenon wherein a perceptual search space 577 is narrowed by verbal (discursive conceptual) instructions, after which the understanding does not follow a 578 serial order of tracking but rather is attentively narrowed to a relevant focus, may be seen as an expression of 579 constraining the parameters of semantikos; relevance being no other than directive and circumscribed cognitive 580 meaning. How such is accomplished might best be researched by determining how the total understanding 581 comprising both perception (sensory items) and conception (verbal instructions) is able to configure conscious 582 attentiveness to bring about such relevant selectivity. 583

Finally, the concept of the schema has had a long and useful employment within cognitive psychology, in terms 584 of accounting for the consolidation of memories via meaningful ordering and their efficient retention and recall 585 thereby (Bartlett, 1932;Mayer, 1992). By my use of this term and construct, I reference precisely that same 586 cognitive function though put into the more expansive interpretive context of Semantiks. Indeed the nature of 587 memory as organized within schemata may be the best starting point for investigation of cognitive meaning inside 588 the understanding considered globally, for memorially based learning constitutes the meaningfully organized 589 repository of articulated semantikos in its essence. Learning is nothing else except the understanding in an 590 essential action of assimilation of cognitive meaning, while memory is the organization, storage, and recollection 591 of relevant meaning; relevance being meaning appropriate to a given context of schema/tic interpretation. 592

The above proposals are meant as adumbrative systematic modeling of interrelated semantikal phenomena involving cognitive meaning, ambiguity, meaninglessness, perception, and conceptuality inter alia. The confirmatory data for this interpretive scheme of Semantiks are obtained from various universes of discourse, including music comprehension (e.g., Pragnanz "closure" of ap/perceived dissonant tonal ambiguity, obtained through modulation's key resolution); humor apprehension (irony, e.g., the climaxing punchline as an inversion of meaning); and hypothesis formation (all the sciences constituting but one conceptual, theoretical meaningtype).

What is needed are not so many more "new facts" as the reinterpretation of such familiar ones. That means 600 investigation of traditional epistemological and psychological problems in light of the phenomenon of cognitive 601 meaning, rather than fixating its subclass of verified propositional and theoretical meanings as with the traditional 602 gnostic philosophers' obsession with that inveterate hobbyhorse called "certain knowing." (Though investigation 603 of Dewey's "isles of truthful meaning" qua hypothesis verification remains a legitimate topic for continued cogent 604 epistemic investigation, though Year 2019 situated now in a Semantikal orientation.) This involves an analysis of 605 such cognitive parameters as meaningfulness, ambiguousness, and meaninglessness along the graded spectrum of 606 semantikos in its myriad manifestions. More generally, it means recognizing the oceanic intelligible meaning that 607

has always been in front of all rational beings at every moment of their wakeful conscious understanding, though

we did not attentively focus in proper fashion and identify let alone emphasize its true monumental significance.  $^{12}$   $^{34}$ 

 $<sup>^{1}</sup>$ Far to the contrary, in fact: we witness the frequent denoument of intellectual irresolutions that characterize the Socratic dialogues.

 $<sup>^{2}</sup>$ Dewey there contrasted determinate truths versus intelligible meanings but did not oppose knowing and certainty against understanding and cognitive meaning as we are doing here.

<sup>&</sup>lt;sup>3</sup>This citation of Hume's construct does not mean that in any way I endorse his rather simplistic "skeptical" epistemology in which our causal inferences are depicted as having firmament solely upon empirical inductions. I am employing his characterization merely to highlight the non/rational nature of such "associative" belief.

 $<sup>{}^{4}</sup>$ Cf. Helmholtz's "perceptual inferences": percipients tend to see the most likely case of what is actually out there(Gregory, 1970).

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