Social State Definition and the Economic Control Systems Product

David Randall Jenkins
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and the
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The Perfect and Beautiful Woman

The Scripture Writers' Impossibility-Resolved
(Ordered Relations: Social Choice Theory:
Welfare Model) Regression

by

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Dedication: For Katrina Redhair and the Precious Moments

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Abstract

Professor Arrow formulated his social state definition in terms of each individual's consumption versus factors of production. Ancient philosophers understood impossibility-resolved social choice theory derived welfare models involve reflexive economic form hierarchical structures where the individual is implicit. The scripture writers also concluded theory construction and empirical research are not reflexive such that empirical research undertaken in the absence of an essential theoretical nexus is illusionary. Therefore, empirical aggregation surrogates are unable to competently effect Arrovian impossibility end-runs. The scripture writers' reference ethics based aggregation mechanics articulate impossibility-resolved (social welfare function formulation: social state definition) transitivity.
I
Introduction

Social choice theory involves (individual: societal) well-being transitivity. (Sen 1999). Since Arrow's general impossibility proof (1951), contemporary economists and concerned academics have been pessimistic over the prospects of aggregation academic research. (Sen, supra). As a result and as discussed here, aggregation academic creativity has been exercised toward making an end-run around Arrovian impossibility.

Two impossibility factors yet haunt (individual: societal) well-being transitivity: ordered conflict and aggregation mechanics. In my paper titled *Ordered Conflict Resolution*, the threshold welfare model impossibility culprit, unresolved ordered conflict, is demonstrated as deriving from ordered subjective reference declaration. (Jenkins 2006A). The other culprit, impossibility-plagued social choice theory aggregation mechanics, is central to this paper's purpose.

A. The Ordered Conflict Impossibility Culprit

The welfare models of contemporary economists fail to recognize, let alone resolve, ordered conflict. The contemporary economists' tastes or values-based social welfare function analyses characteristically involve two individuals and the conflict between their respective preference rankings over three social states. (Jenkins, supra; citing, Arrow 1951, 1963). Since the social states are inherently interrelated they are necessarily hierarchically structured and the conflict is ordered. *Id.* By relaxing the nondictatorship condition and imposing the independence of irrelevant alternatives condition, Arrovian possibility substantively employs unordered conflict resolution tactics (*i.e.*, ordered subjective reference declaration) in an ordered conflict environment. (Jenkins 2006A). As a result, the social welfare function remains
impossibility-plagued. *Id.* Ergo, an impossibility-resolved social welfare function includes ordered (subjective: objective) reference declaration transition, which quintessentially defines ordered conflict resolution. *Id.* This is to say, ordered conflict resolution, welfare models and, therefore, social choice theory are wholly licensed by ordered relations theory.

**B. The Aggregation Mechanics Impossibility Culprit**

The other real impossibility culprit involves social choice theory aggregation mechanics. Such mechanics relate social welfare function formulation and social state definition. Compared to the scripture writers' impossibility-resolved social choice theory, *The Perfect and Beautiful Woman*, the tastes and values-based social welfare functions prescribed by contemporary economists derive from social choice theory aggregation mechanics that are inherently impossibility-plagued. The aggregation mechanics impossibility culprit is (individual, economic organization) comparison.

Economics, including (social choice theory: welfare model) transitivity, involves (individual demand, economic organization supply) comparisons. In this same vein, Professor Arrow formulated his social state definition to achieve a social welfare function that is (individual: societal) well-being transitive and articulated it in terms of each individual's consumption versus factors of production, to wit:

The most precise definition of a social state would be a complete description of the amount of each type of commodity in the hands of each individual, the amount of labor to be supplied by each individual, the amount of each productive resource invested in each type of productive activity, and the amounts of various types of collective activity, such as municipal services, diplomacy and its continuation by other means, and the erection of statues to famous men.

The literature is devoid of any logical argument challenging this definition. This paper takes up that challenge by demonstrating Arrow's focus on each individual is what renders his social state definition infirm. That is, the infirm aspect of Arrow's social state definition sounds in supply and demand models where individuals are inherently compared to economic organizations.

The scripture writers recognized social state definition derives reflexive economic form comparison where individual interests are implicitly and not explicitly represented. In this setting, social state definition derives the classic (revenue-maximization, cost-minimization) management struggle as opposed to the supply and demand framework.

Specifically, the scripture writers' social state definition is a societal well-being function implemented through progressive reference ethics generalization. Reference ethics is the cornerstone of ordered conflict resolution and the factor distinguishing the philosophical economy from other states of the economy. Reference ethics generalization derives from ordered relations theory. Aggregation mechanics, impossibility-resolved through reference ethics generalization, is what characterizes social choice theory as ordered relations theory derived.

C. Arrovian Impossibility End-Run Academic Research

Since 1951, academic research has been creatively exercised to effect an Arrovian impossibility end-run. The surrogate social choice theory aggregation mechanics that have since emerged in the literature rely on (theory construction, empirical research) reflexivity as a means for avoiding Arrovian impossibility pessimism. However, the formidable constraint imposed by the Antithetical-Primary Population General Impossibility Theorem (Jenkins 2006A) disavows (theory construction: empirical research) transitivity, leading to the conclusion that empirical research undertaken in the absence of an impossibility-resolved theoretical nexus results in
illusionary consequences.\(^1\) Therefore, aggregation must be inextricably tied to impossibility-resolved social choice theory to effect complete and reflexive (social welfare function formulation: social state definition) transitivity. The scripture writers' reference ethics based aggregation mechanics enable such transitivity.

**D. Lessons from the Book of Genesis**

The Book of Genesis is organized in terms of ordered relations space; specifically, (Function: Progression: Position) process regression. Ordered relations function processes are \((\text{Progression}_n, \text{Progression}_{n+1})\) defined and ordered relations progression processes are \((\text{Position}_n, \text{Position}_{n+1})\) defined. Genesis Chapter 1 and 2:1-3 explains the ordered relations function process. Genesis 2:4-24 and Chapters 3-10 explains the ordered relations progression process. Genesis Chapters 11-50 explains the ordered relations position process. The function process explanation envelopes the progression and position process explanations and is the most compact. The progression process explanation is the next most explained process and envelopes the position process explanation. Finally, the position process is the most thoroughly explained process.

The Sacred Feminine's ordered relations properties, axioms, principles, laws and theorems define (Function: Progression: Position) transitivity. As a result, she is juxtapositioned

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\(^1\) The first instance scripture metaphorical reference for the condemnation of attempted end-runs around APPGIT's general impossibility prowess is found in Genesis 16:12. There, Ishmael is a metaphorical reference for APPGIT's general impossibility prowess. The verse reads, "He will be a wild donkey of a man, his hand will be against everyone, and everyone's hand will be against him; and he will live to the east of all his brothers." The "wild donkey of a man" metaphor defines Ishmael as APPGIT's general impossibility prowess inasmuch as a donkey is a metaphor for an ICV or illusionary consequence variable resulting from APPGIT's general impossibility holding. The "donkey of a man" translates the ordered ICV into unordered position statements. That Ishmael's hand will be against everyone is a metaphor for APPGIT's holding that, absent embracing the ethics of ordered conflict resolution, all ethics conflict consequences are illusionary. That everyone's hand will be against Ishmael is a reference for the notion that end-run attempts around APPGIT's general impossibility prowess will be endless. Finally, that Ishmael will live east of all his brothers is a reference to the fact that APPGIT's general impossibility prowess is the most fundamental aspect of the (Ordered Relations Theory: Social Choice Theory: Welfare Model) regression.
atop the Book of Genesis. She is also in repose because her ordered relations properties, axioms, principles, laws and theorems enable impossibility-resolved (ordered relations theory: social choice theory: welfare model) regression.

The Book of Genesis process regression explanations are \{[Function, Context], [Progression, (Context: Content)], [Position, Content]\} characterized. Ordered relations theory is the context from which social choice theory derives. Moreover, welfare models derive from social choice theory. As a result, social choice theory and welfare models benefit from ordered relations theory lessons explained in the Book of Genesis. This paper propounds ordered relations theory as the function process, social choice theory as the progression process and welfare model operations as the position process. \textit{Q.v., Table 1.1}.

\section*{E. Paper Contribution and Organization}

This paper contributes to the theoretical framework explaining \textit{The Perfect and Beautiful Woman} by articulating social state definition and the economic control systems product through impossibility-resolved social choice theory aggregation mechanics. The paper's organization begins with Section II's interesting discussion concerning Arrovian impossibility end-run academic research. Section III summarizes the scripture writers' impossibility-resolved ordered relations theory and the Sacred Feminine's ordered relations properties, axioms, principles, laws and theorems. Section IV presents the scripture writers' impossibility-resolved social choice theory aggregation mechanics. Sections V and VI respectfully address the Four States of the

\footnote{The table's legend includes ordered (O) and unordered (U), \{Any, \(k\}\}, \{Given, \(i\}\}, regressive context (\(C_X\)) and Content (\(C_N\)); progressive Mutual Reconciliation (MR), Reflexive Reconciliation (RR) and Exclusive Reconciliation (ER); social state definition (SSD) and social welfare function formulation (SWFF); and Philosophical Economy (PHE), Information Economy (IFE), Industrial Economy (IDE) and Agrarian Economy (AGE) acronyms.}
Economy and Four Stages of the Economic Organization that characterize the scripture writers' impossibility-resolved welfare model. Section VII explains the scripture writers' quaternary order social state definition regression. Section VIII explains the economic control systems product by interposing each of the four stages of the economic organization within each of the four states of the economy. Section IX concludes the paper.

### Table 1.1
Ordered Relations Theory Regression

<table>
<thead>
<tr>
<th>#</th>
<th>Context, Content</th>
<th>Reconciliation</th>
<th>Social State Definition</th>
<th>Social Welfare Function Formulation</th>
<th>Welfare Model Operations</th>
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<td>UC(_X)</td>
<td>MR(_k)</td>
<td>OSSD(_k)</td>
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<tr>
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<td>UC(_X,N)</td>
<td>MR(_i)</td>
<td>OSSD(_i)</td>
<td>OSWFF(_k)</td>
<td>PHE</td>
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<tr>
<td>4</td>
<td>UC(_N)</td>
<td>RR(_i)</td>
<td>(O:U)SSD(_i)</td>
<td>OSWFF(_j)</td>
<td>IFE</td>
</tr>
<tr>
<td>5</td>
<td>ER(_i)</td>
<td>USSD(_i)</td>
<td>(O:U)SWFF(_j)</td>
<td>IDE</td>
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<tr>
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<td></td>
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<td>Entrepreneurial</td>
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II

Arrovian Impossibility End-Run Academic Research

In aggregation research, an end-run is characterized by investigations where a nexus to competent social choice theory is lacking. That is, the investigation is intended to adduce aggregation. Competent social choice theory is impossibility-resolved. Only through reference ethics generalization are aggregation mechanics impossibility-resolved. Since ordered objective reference ethics declaration is a reference ethics generalization necessary condition, competent social choice theory derives from impossibility-resolved or competent ordered relations theory.

The relationship between Arrovian impossibility and its related end-run academic research sounds in the relationship between theory and empirical observation. Since theory and empiricism are interrelated the relationship between theory and empirical study is hierarchically structured or ordered. Contemporary academics have recognized as much. For example, Sterling (1972) points to a discussion of the advancement of science where Bernal (1971) distinguishes between "tactics" and "strategy." Bernal is reported to define "tactics" as the method of attacking a problem or question and, contrastingly, distinguishes "strategy" on the following grounds:

The essential feature of a strategy of discovery lies in determining the sequence of choice of problems to solve. Now it is in fact very much more difficult to see a problem than to find a solution for it. The former requires imagination, the latter only ingenuity.

(1972, p. 402; citing, Bernal [2, p. 39]); (emphasis in original).3

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3 Bernal contrasts working within a well defined area and breaking new ground. (Sterling 1972). The latter is much more difficult and risky but, if successful, the payoffs are much greater. Id. He cites the cases of Newton, Darwin and Faraday as examples of researchers who "set themselves to find and solve problems of their own." [Id; citing, (Bernal 1971)]. Sterling also points to another commentary:

The ability to formulate problems whose solution may also help solve other problems is a rare gift, requiring extraordinary genius.

[Id; citing, (Cohan and Nagel 1934)].

In scripture, the ability to break new ground and formulate problems whose solutions may help solve other problems is attributed to the Deities and the (theory: empirical observation) transition perception is ascribed to that
By countenancing the sequence of choice, Bernal recognizes ordered relations define the hierarchical structure of strategy and tactics. As a result, theory competence is a matter of ordered relations reference ethics governing (tactics: strategy) transitivity.

Zimmerman also recognizes theory construction and empirical research interact. (2001: 418). However, Zimmerman's conclusion that rich empirical settings stimulate theory just as theories stimulate empirical work is a dangerous conclusion. That is, (theory: empiricism) transitivity is not reflexive. In hierarchical structure terms, theories are contextual and, accordingly, lower order analogous while empiricism is relative content analogous and, accordingly, higher order in nature.4

Since theory is inherently lower order, it embraces ordered empirical interrelationships where such interrelationships are unconfused. However, Jenkins' Antithetical-Primary Population General Impossibility Theorem [APPGIT] (2006A), attributed to the scripture writers' ordered relations theory, stands for the proposition that (unordered: ordered) transition is generally impossible in the ordered subjective reference setting. Generalizing this holding concludes empirical observations not grounded in conflict resolving reference ethics generally implicate ordered and confounded hypotheses. Moreover, prospective (ordered: unordered) position transition requires either the presence of an ordered objective reference theoretical framework on which to hang its hat or empowerment so endowed. Else, APPGIT's formidable illusionary consequences await the unsuspecting victim.5 Absent ordered objective reference

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4 Pragmatically, controlled laboratory experiments serve as the [(theory: empirical observation), (context: content)] transition.

5 Scripture's metaphorical reference for end-run empirical investigations not inextricably tied to competent theory is "Satan." (Jenkins 2006B).
evidence, the conclusion is that ordered subjective reference empiricist claims of adduced theory are illusionary.

A. Arrovian Impossibility Sister Discipline Pessimism

As a proximate result of Arrovian impossibility, financial economists and accounting researchers systematically adopted (empiricism: theory) models, including the efficient market hypothesis and the capital asset pricing model, lacking the necessary theory competent ordered objective reference framework that enables actual prospective (ordered: unordered) position transition. The reason is transparent. Such academics believed Arrow's impossibility theorem foreclosed the feasibility of (theory: empirical observation) transition in every aggregation setting and they devised their research, explicitly or implicitly, to make an end-run around Arrovian impossibility.

Accounting research generally recognizes economic principles generate testable hypotheses and allow the accumulation of knowledge about accounting. (Zimmerman 2001: 418). To this end, accounting research has broadly examined financial accounting public choice issues based on Arrow's welfare model; as well as the models of other contemporary economists. (Walker 1984: 278). For example, Demski examined the consequence of Arrow's impossibility theorem on the formulation of normative accounting standards and concluded:

There is no way of moving from complete and transitive preferences at the individual level to a group level complete and transitive notion of preferences that satisfies Arrow's conditions.


Moreover, it is generally recognized that Arrovian impossibility has constrained accounting research. Anyone exploring the literature would be forced to conclude that social choice theory, in itself, offers no hope that there is a solution to the issue of public choice among financial
reporting alternatives. (Walker 1984; citing, Cushing 1977). This is because a problem arises in attempting to make comparisons or trade-offs among the welfare of different individuals. (Beaver 1974: 565). Arrovian impossibility ensures any complete and transitive ordering of information alternatives at the social level will violate one or more of his conditions. Id.

The economics sister discipline of finance also responded to Arrovian impossibility pessimism. That response is captured infra in the discussion of the finance discipline's end-run around Arrovian impossibility.

B. Accounting Discipline End-Runs

Accounting's security price research likewise adopts regression analysis in its search for investor decision-making revision in support of the argument targeted accounting information proved useful. (Beaver 1972). This author's dissertation involved such methodology. (Jenkins 1983, 1986). In response to issues raised by others concerning his 1972 security price research methodology treatise, Beaver explicitly points to Arrovian impossibility as a security price research paradigm determinant. (Beaver 1974: 565, n. 9). As a result, accounting's security price research is empirical observation in search of a theory; where the measure of systematic risk is yet another aggregation heuristic lacking a competent theoretical nexus.

C. Finance Discipline End-Runs

In his efficient market hypothesis (EMH) engendering treatise, Portfolio Selection, Markowitz declares the process of selecting a portfolio is a two stage process which begins with observation. (1952). That is and from the outset, Markowitz casts the EMH in (empiricism: theory) transition terms. Moreover, Markowitz explicitly recognizes Arrow's impossibility constraint:
Care must be used in using and interpreting relations among aggregates. We cannot deal here with the problems and pitfalls of aggregation.

(1952: 91, n. 15).

Based on the foregoing, however, it is fair to conclude the efficient market hypothesis was developed by Markowitz on the basis of (empiricism: theory) transition. That is, the EMH derives from the empirical observation that the larger the number of securities in a portfolio, the more closely the portfolio's expected return approaches the market's expected return; an aggregation heuristic lacking a competent theoretical nexus.

Sharpe's capital asset pricing model (1964) employs regression analysis to effect a (empiricism: theory) transition regarding capital asset pricing market equilibrium. Although Sharpe specifically fails to address the implications of Arrovian impossibility, it is transparent the capital asset pricing model (CAPM) is intended to be an (individual: societal) well-being transitive aggregation heuristic. Sharpe's empirical observation of systematic and non-systematic risk implicates his adduced theory of capital asset pricing market equilibrium and is not derived from competent social choice theory, per se.

D. Generalized Implications for Academic Research

The EMH and CAPM are briefly exhibited here as examples of finance discipline academic research designed to make an Arrovian impossibility end-run. Likewise, security price academic research, including the author's papers derived from his security price dissertation, is an example of accounting discipline academic research designed to make an Arrovian impossibility end-run.

The lesson learned from the finance and accounting academic research end-run tactics here ought to be generalized to academic research as a whole. The lesson derives from the
scripture writers' ordered relations theory, *The Perfect and Beautiful Woman*; specifically, it is an APPGIT lesson: Any research paradigm implicating prospective (ordered: unordered) position transition must be competent theory driven or empowered. Else, any adduced theory is illusionary.

The point is straightforward. Arrovian impossibility end-run academic research tactics produce illusionary consequences. As a result, competent social choice theory aggregation mechanics must be resolved. Since impossibility-resolved aggregation mechanics involve reference ethics generalization and, as a result, social choice theory is ordered relations theory derived, the next section encapsulates the latter theory and the Sacred Feminine's ordered relations properties, axioms, principles, laws and theorems.
III
Ordered Relations Theory and the Sacred Feminine

It is generally recognized when Pythagoras claimed the universe is governed by numbers he meant whole numbers and ratios of whole numbers (i.e., fractions); that is, rational numbers. (Singh 1997). Most also conclude Pythagoras abhorred irrational numbers. *Id.* That is, for Pythagoras, the beauty of mathematics was the idea that rational numbers could explain all natural phenomena. *Id.*

It is suggested this guiding philosophy blinded Pythagoras to the existence of irrational numbers and may even have led to the execution of one of his pupils. *Id.* Most report the story as the $\sqrt{2}$ Pythagorean Theorem taint. By the Pythagorean Theorem, a right triangle having sides of 1 led to the algorithm $2^2 = 1^2 + 1^2$. However, the $\sqrt{2}$ cannot be expressed as a fraction; leading to the discovery of irrational numbers. It is suggested Pythagoras directed the drowning death of Hippasus for tainting the beauty of the Pythagorean Theorem with the discovery of irrational numbers. This reported denial of irrational numbers is regarded as Pythagoras's most disgraceful act and perhaps the worst tragedy of Greek mathematics. *Id.*

While the foregoing is interesting in epic accounting terms, it probably mischaracterizes what actually transpired. The correct characterization derives from the conclusion that Pythagoras developed ordered relations theory and, more likely than not, was the author of scripture's encrypted account of ordered relations theory, social choice theory and welfare model operations. When these factors are considered, and if Pythagoras indeed directed Hippasus's drowning death, the real motive may have been to thwart the unveiling of scripture as an encrypted Pythagorean account of ordered relations theory, social choice theory and welfare model operations and not the disclosure of the existence of irrational numbers, *per se.*
A. The Birth of Ordered Relations Theory

By considering the beauty of mathematics was the idea that rational numbers could explain all natural phenomena, it is transparent Pythagoras concluded social choice theory, *inter alia*, derives from ordered relations theory. The inherent nature of ordered relations theory involves the abstract interposition of ethics into questions involving theory, study and investigation. It appears Pythagoras first studied the interposition of ethics in whole numbers finite space. He then came to recognize the Confounding Principle (Jenkins 2006A) when rhetorically addressing the ethics question, "Who gets to unconfuse the objective statement first, X or Y?" By generalizing the Confounding Principle, Pythagoras must have concluded that elements of an unconfused set could not be inherently confounded. Since irrational numbers are inherently infinite, they are confounded without prospect. As a result, Pythagoras recognized the ethics endowed physical universe is defined in (Any Finite)$_k$ space terms, which he must have viewed to be as limitless as the irrational numbers endowed and ethics devoid infinite space. This is a more rational explanation as to why Pythagoras found beauty in employing whole numbers to describe natural phenomena and had disdain for irrational numbers.

Considering social choice theory as the primary ordered relations theory regressive prong, Pythagoras (also referred to herein as "the scripture writers") considered the ethics endowed physical universe as the antithetical ordered relations theory regressive prong. That is, the scripture writers propounded ordered relations theory ordered context as embracing the ethics endowed physical universe in relation to the philosophy of the human condition.\(^6\)

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\(^6\) In my paper titled, *The (30, 29) Hebrew Calendar, (31, 28) Star of David and (613) Sefer Ha-Mitzvoth (Numerical-Reference, Philosophical-Content) Nexus*, I studied this relationship as I thought the Scripture Writers had in order to figure out why they had maintained a specific social state definition focus throughout all of scripture.
I suspect it was not the creation of the physical universe that held Pythagoras and the scripture writers in awe of God; rather, it was that they theorized the ethics endowed physical universe corrects the philosophical corruption of the human condition. More than any other argument, this correction power humbled the great thinkers of Greek philosophy to bow down to the Creator. Moreover, the scripture writers proved this correction power in logical argument and adduced empirical evidence in support of its existence.7

The crystallization of ordered relations theory as embracing the ethics endowed physical universe's relation to the philosophy of the human condition is the most likely explanation driving the shift from polytheism to monotheism. This transition caused the woman's presence in the Deity structure to become implicit. Most refer to a woman's Deity structure presence as "the Sacred Feminine."

B. The Sacred Feminine's Ordered Relations Properties, Axioms, Principles, Laws and Theorems

The Sacred Feminine held an explicit position in the various functions polytheism's goddesses performed. She became less visible following the (polytheism: monotheism) transition. While begging off any religious studies expertise, my hunch is that the (polytheism: monotheism) transition represented a major shift in philosophical thought that defined ordered relations theory.8 Under polytheism, the deity spiritual infrastructure was akin to the human condition's spiritual infrastructure where, metaphorically, the man represents the extant will, the

7 Although, currently, I am unable to point to a specific scriptural metaphorical reference evidencing the ethics endowed physical universe's correction power, I believe it is likewise scripture encrypted. Moreover, I suspect it is known to those who are in possession of scripture's encryption key, most likely written by Pythagoras or the Pythagoras school.

8 I attended a religious studies academic conference held at Arizona State University in March 2005 where there was a great deal of interest in the Sacred Feminine from the attending female professors. This interest was made publicly popular due to the anticipation of the then impending release of the Da Vinci Code movie, which suggests a sacred line descending from Jesus and Mary Magdalene.
woman represents a progressive will perception and the child represents the product of the extant will and the progressive will perception. The philosophical shift transparently involved a migration to the notion ordered relations theory's abstract parental relationship to social choice theory is captured by spiritual infrastructure statements articulated in will alone whereas social choice theory involves the transition of the Divine Will to that of the human condition spiritual infrastructure. As a result, monotheism's deity structure is defined by the Divine Will alone, while the human condition remains defined by the spiritual infrastructure triune. That is, the woman's metaphorical deity structure role as the progressive will perception was eliminated in the (polytheism: monotheism) transition. Such elimination was a result of ordered relations theory distillation and not as a result of any form of gender bias. The balance of this section enumerates those ordered relations properties, axioms, principles, laws and theorems that are Sacred Feminine distilled.

1. The Finite Space Axiom

The scripture writers axiomatized finite and infinite spaces by constraining the former to whole numbers, which are necessarily rational. They relaxed the constraint in axiomatizing the latter such that both rational and irrational numbers are infinite space inclusive. The scripture writers studied the axiology of (Any Finite)_k space, in the first instance, to determine whether the abstract interposition of ethics in questions of theory, study and observation could be infinite space generalized. In the end, due to the reference ethics involved in satisfying the Antithetical-Primary Population General Impossibility Theorem (APPGIT; Jenkins 2006A) constraint, the scripture writers concluded impossibility-resolved ordered relations theory is (Any Finite)_k space constrained as irrational numbers inherently confound infinite space. Moreover, the scripture writers concluded (Any Finite)_k is just as limitless as infinite space.
2. The Finite Space Property

The scripture writers' Finite Space Property represents the notion all finite space variables are interrelated and, therefore, hierarchically structured. The property's proof is straightforward, to wit:

**Theorem:** All finite space whole numbers are interrelated and, therefore, hierarchically structured.

**Proof:**

1. Let X be a whole number.
2. Let Y be a whole number.
3. Let Z be the function that maps X into Y.
4. Since Z exists, X and Y are interrelated and Z = f(X, Y) is hierarchically structured.

Q.E.D.

3. Economic Efficiency Principle

The economic efficiency principle represents the notion that both (macroeconomic: microeconomic) regression and (microeconomic: macroeconomic) incremental progression are accomplished in the least number of necessary steps. The distinction is that (macroeconomic: microeconomic) regression occurs in quaternary order while (microeconomic: macroeconomic) incremental progression occurs step by step. This principle is shaped by the Connectivity Property, the Order Magnitude Principle, the APPGIT Generalization Property and the Ordered Context Generalization Property.
a. (Ordered Social State Definition: Social Welfare Function) Transition

(Ordered Social State Definition: Social Welfare Function) transition implicates sitting above ordered conflict ICVs. (Jenkins 2006A). Therefore, the APPGIT Generalization Principle represents the notion (Ordered Social State Definition: Social Welfare Function) transition involves actual and not illusionary consequences. *Id.* The Connectivity Property represents the notion incremental regression must be connected. The Order Magnitude Principle represents the notion (Ordered Social State Definition: Social Welfare Function) transition is quaternary order incrementalized. As a result, (Ordered Social State Definition: Social Welfare Function) transition involves [(ordered context): (unordered context): (unordered context: content): (unordered content)] quaternary order regression such that, in descension accounting terms, unordered content<sub>n</sub> is at the same hierarchical level as ordered context<sub>n+1</sub>.

b. (Social Welfare Function: Ordered Social State Definition) Transition

(Social Welfare Function: Ordered Social State Definition) transition implicates sitting below ordered conflict ICVs. *Id.* Therefore, the APPGIT Generalization Principle represents the notion (Social Welfare Function: Ordered Social State Definition) transition involves illusionary and not actual consequences. *Id.* The Reconciliation Principle represents the notion (Social Welfare Function: Ordered Social State Definition) transition involves (ER<sub>i</sub>; RR<sub>i</sub>; MR<sub>i</sub>; MR<sub>k</sub>) progression. The Ordered Context Generalization Principle represents the notion (ER<sub>i</sub>; RR<sub>i</sub>; MR<sub>i</sub>; MR<sub>k</sub>) transition strategy formulation involves progressive (ordered: unordered) position transition and must comply with the Principle's requirement that such strategy formulation be derived from competent social choice theory or be derived from empowerment based on competent social choice theory.
4. Connectivity Property

The connectivity property stands for the proposition that both the (macroeconomic: microeconomic)-perspective and (microeconomic: macroeconomic)-perspective must be progression connected for the purpose of effecting complete (ordered social state definition: social welfare function) transitivity. The principle derives from the following simple proof, to wit:

**Theorem:** (A, B) connectivity and (B, C) connectivity is an (A, C) connectivity necessary condition.

**Proof:**

1. |A|, |B| and |C| exist as a mutually exclusive cardinal sequence.

2. |A| + |B| = |A ∪ B| and |B| + |C| = |B ∪ C|.

3. Ergo, |A ∪ C| = |A ∪ B| + |B ∪ C| − 2|B|

Q.E.D.

That is, unless |B| connects |A| to |C|, |A ∪ C| does not exist.

5. The Ordered Conflict Generalization Principle

The Finite Space Property represents the notion all theoretical variables exist in ordered relations space. As a result, all conflict is ordered.

6. The Reference Ethics Generalization Principle

Reference ethics generalization enables aggregation mechanics ordered context. Reference ethics generalization requires entity reflexivity; else the RR, MR and MR become meaningless. Since an individual cannot be economic organization reflexive, the individual is
constrained to an implicit presence in the scripture writers' impossibility-resolved social choice theory model, *The Perfect and Beautiful Woman*. An individual cannot be economic organization reflexive because an economic organization is threshold MR, defined where (manager: management practice) transition is a necessary condition. The management practice is characterized by (revenue-maximization, cost-minimization) strategy formulation that is not individual idiosyncratic. Ergo, the scripture writers constrain the individual to an implicit presence in impossibility-resolved social choice theory. The implicit characterization of the individual's presence is discussed in Section __, *infra*.

7. The APPGIT Generalization Principle

APPGIT represents the notion that unresolved ordered conflict leads to illusionary consequences. (Jenkins 2006A). Since impossibility-resolved welfare model extant positions are achieved only through ordered conflict resolution, then it can be said that regressive positions involve actual consequences. Likewise, since positions ahead of the extant position implicate welfare model unresolved (impossibility-plagued: impossibility-resolved) transition, it can be said that positions ahead of the extant position involve illusionary consequences. Moreover, strategy formulation, which implicates positions ahead of the extant position, necessarily involves progressive (ordered: unordered) position transition. The question to be answered is this, "How is progressive (ordered: unordered) position transition effected in the face of APPGIT's formidable proscription?"
8. The Confounding Principle

The Confounding Principle limits impossibility-resolved ordered relations theory to a notion of limitless space that is \((\text{Any Finite})_k\) defined. Since social choice theory and welfare model operations derive from ordered relations theory, both social choice theory and welfare model operations exist only in finite space. The confounded statement \(Z = (X \text{ and } Y)_i, \text{ S.T. } (Z, X_j, X_k)\) is confounded because there are limitless \((X, Y)\) combinations that satisfy \(Z\). The statement is unconfused by \((X_k: X_i)\) transition. However, this transition creates an ethics conflict, "Who gets to declare the initial value to unconfuse the statement, \(X\) or \(Y\)?" The conflict is resolved in the reference ethics theatre through either the subjective or objective reference. (Jenkins 2006A). The Confounding Principle represents the idea that limitless sets must be unconfused to effect (impossibility-plagued: impossibility-resolved) ordered relations theory transition. As a result, limitless elements are constrained from set inclusion. That is, irrational numbers are constrained from impossibility-resolved ordered relations theory set inclusion.\(^9\)

9. The Order Magnitude Principle

The Order Magnitude Principle is formulated by applying the Reconciliation Principle to the Finite Space Property. The Finite Space Property represents the notion all variables in \((\text{Any Finite})_k\) space are interrelated and, therefore, hierarchically structured. Order magnitude incrementalizes \((\text{Any Finite})_k\) space into \((\text{Any Finite})_i\) space. The Reconciliation Principle represents the notion (impossibility-plagued: impossibility-resolved) ordered relations theory transition requires no more nor less than four orders.

---

\(^9\) The Confounding Principle is metaphorically referenced in Genesis 4:13 where Cain laments, "My punishment is to great to bear!" The Lord agrees and introduces sevenfold vengeance on whoever kills Cain. Genesis 4:15. The sevenfold vengeance imposition incrementalizes \((\text{Any Finite})_k\) space into quaternary order space. Any reference to Divine Wisdom as infinite, then, is unschooled. It is correctly described as \((\text{Any Finite})_k\) Divine Wisdom.
10. The Reconciliation Principle

Reconciliation occurs only in ordered relations theory regression space. Exclusive-Reconciliation $i$ (ER$_i$) refers to the condition where endogenous $X$ effects (impossibility-plagued: impossibility-resolved) ordered relations theory transition whether or not endogenous $Y$ effects such a transition. Reflexive-Reconciliation $i$ (RR$_i$) refers to the cumulative condition where endogenous $X$ effects (impossibility-plagued: impossibility-resolved) ordered relations theory transition and then endogenous $Y$ similarly effects (impossibility-plagued: impossibility-resolved) ordered relations theory transition. Mutual-Reconciliation $i$ (MR$_i$) refers to the further cumulative condition where endogenous $X$ and endogenous $Y$ concomitantly effect (impossibility-plagued: impossibility-resolved) ordered relations theory transition. Mutual-Reconciliation $k$ (MR$_k$) refers to the condition where it is indifferent which entity initiated the (ER$_i$; RR$_i$; MR$_i$) cumulative progression, endogenous $X$ or endogenous $Y$.

11. The Competent Theory Principle

All competent theory exists in ordered relations space. Competent theory is inherently impossibility-resolved. No theory can exist in infinite space because of set element confounding. Ergo, competent theory involves interrelated and hierarchically structured variables.

12. The Ordered Context Generalization Principle

Progressive (ordered: unordered) position transition must be indirectly or directly inextricably tied to competent theory. A competent theory is one that is impossibility-resolved. Generalizing the ordered context framework assigns ordered theory, empirical observation, laboratory experiments and anecdotal evidence to the hierarchical structure. Ordered theory is ordered context analogous; empirical observation is unordered context analogous; laboratory
experiments are unordered (context: content) analogous; and, anecdotal evidence is unordered content analogous.

Academic research end-run tactics rely on the notion that theory construction and empirical research are reflexive. However, this paper shows that, through the principle of ordered conflict resolution generalization, theory construction and empirical research are not reflexive. Empirical research without a theoretical nexus results in illusionary consequences. That is, it is generally impossible for theoretical nexus devoid empirical research to ferret prospective (ordered: unordered) position transition.

Contemporarily, some academics recognize the importance of furthering the investigation of the marriage between ethics and economics. (Sen 1988). Studies involving the marriage of ethics and economics derive from the context of ordered relations theory and must countenance the Sacred Feminine's ordered relations theory principles, axioms, properties, laws and theorems. Social choice theory is one such marriage. Aggregation mechanics reference ethics generalization characterizes social choice theory as impossibility-resolved and characterizes ordered relations theory as its progenitor.
IV
Social Choice Theory and Aggregation Mechanics

The scripture writers consider social state definition (SSD) a static ideal to be achieved and social welfare function formulation (SWFF) the dynamic methodology for achieving the static ideal. On the other hand, contemporary economists consider social states to be objects of choice; but also consider a social welfare function as the achieving methodology. However, the contemporary economists' social choice theory derived welfare models do not countenance ordered conflict and its resolution. (Jenkins 2006A). The transformation of social states from objects of choice to static ideals derives from the essential transition that countenances ordered relations, ordered conflict and ordered conflict resolution.

Notwithstanding the foregoing difference in their respective social choice theory derived welfare models, both the scripture writers and contemporary economists consider aggregation [i.e., (individual: societal) well-being transitivity] to be a SWFF matter. However, the contemporary economists approach SWFF methodology (i.e., aggregation) from the supply and demand setting where economists traditionally compare the consumption utility of individuals to the production preferences of economic organizations. As discussed in Section I, supra, Professor Arrow's unchallenged social state definition is supply and demand framework imprested.

The argument here is that the supply and demand framework inherently renders aggregation impossibility-plagued because it compares individuals to economic organizations. Here, (individual: societal) well-being transitivity is economic regression characterized in the (Context$_k$, Context$_l$) framework. Q.v., Table 4.1.\textsuperscript{10}

\textsuperscript{10} The Table 4.1 Legend is defined as: (i) OC$_X$ = Ordered Context, (ii) UC$_X$ = Unordered Context, (iii) UC$_X,N$ = Unordered (Context: Content), and (iv) UC$_N$ = Unordered Content.
### Table 4.1
**Individual: Societal) Well-Being Transitivity**

<table>
<thead>
<tr>
<th>((OC_X, UC_X))</th>
<th>Collection of Forms</th>
<th>Form of Economic Activity</th>
<th>Ordered Relations Scope of Economic Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>(OC_X)</td>
<td>Economic Organizations</td>
<td></td>
<td>Ordered Macroeconomy,</td>
</tr>
<tr>
<td>(UC_X)</td>
<td>Entities</td>
<td>Economic Organization</td>
<td>Ordered Macroeconomy,</td>
</tr>
<tr>
<td>(UC_{X:N})</td>
<td>Individuals</td>
<td>Entity</td>
<td>(Unordered Macroeconomy: Ordered Microeconomy),</td>
</tr>
<tr>
<td>(UC_N)</td>
<td>Individual</td>
<td></td>
<td>Unordered Microeconomy</td>
</tr>
</tbody>
</table>

As a result, (economic organizations: individual) transitions can be hierarchical structure characterized. See, Figure 4.1.

![Figure 4.1](image_url)

**Figure 4.1**
(Societal: Individual) Well-Being Transitions
The APPGIT Generalization Principle represents the notion that it is generally impossible to make comparisons of (i) individual consumption utility and (ii) economic organization production preferences inasmuch as economic organizations are progressively ahead of the individual in hierarchical structure terms. Any such comparison, therefore, results in illusionary consequences. That is, APPGIT invalidates the supply and demand framework and Arrow's social state definition. Reference ethics comparisons, the essential ordered conflict resolution ingredient, must take place between comparable hierarchically structured economic forms to ensure actual consequences, and not illusionary consequences, result.

The scripture writers addressed this aggregation infirmity by constraining the individual's aggregation mechanics presence to an implicit one. While the scripture writers' impossibility-resolved social choice theory model is predicated upon capital versus operational economic organization production preference comparison, the individual's consumption utility remains integral albeit implicit.\(^{11}\)

Operations and capital formation respectively distill operations and capital economic organization production preferences. Operations and capital formation refer to management practices in any state of the economy: those who manage capital and those who manage operational processes. Moreover, the notion of formation refers to capital or operational net resource inflows and outflows under ordered and unordered states of the economy.

Capital managers attract resources from third parties (\textit{i.e.}, individuals) and invest same in the hands of operational managers; thereafter, returning investment to the third parties, including

\(^{11}\) Contemporary academic research captures this notion. For example, Beaver recognizes the (individual, capital formation, operations formation) triumvirate. (1974: 564). The nature of the explicit comparative production preference, implicit consumption utility social choice theory model furthers the argument scripture's encrypted social choice theory derived welfare model was initially authored by Pythagoras or the Pythagoras school inasmuch as the triumvirate sounds in the Pythagorean Theorem's $C^2 = A^2 + B^2$ algorithm.
investment profits. Operational managers transfer products or services to third parties in exchange for revenue and return investment capital to the capital managers, including investment profits. The (capital manager, operations manager, third party) relationship is schematically represented as:

![Diagram of Third Parties, Capital Managers, and Operations Managers]

**Figure 4.2**
*Capital Managers, Operations Managers and Third Parties*

The third parties are implicitly captured in the capital and operations formation revenue-maximization and cost-minimization PBW Model statements. The third parties are defined in the capital managers' cost-minimization statements and the operations managers' revenue-maximization statements. Therefore, all PBW Model ordered conflict is either a capital manager cost-minimization or operations manager revenue-maximization function.

The lesson learned here, then, is an APPGIT lesson. It is generally impossible to compare individuals to economic organizations in ordered relations space. As a result, economic form reflexivity is an impossibility-resolved SWFF necessary condition where the traditional supply and demand framework must be abandoned. The scripture writers' impossibility-resolved social choice theory, *The Perfect and Beautiful Woman*.

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12 The PBW Model is the scripture writers' welfare model derived from their impossibility-resolved social choice theory, *The Perfect and Beautiful Woman*. 
SWFF is (individual: societal) well-being and [(Revenue-Maximization, Cost-Minimization): (Operations Formation, Capital Formation)] transitive and results in impossibility-resolved aggregation, SWFF or unordered social state definition.

Generally, states of the economy distill social state definition while economic organization stages imbued with state of the economy ideals distill social welfare function formulation. States of the economy are a macroeconomic regressive notion while economic organization stages are a microeconomic progressive notion. Economic regression involves quaternary order (Context$_k$, Context$_i$), while economic progression involves step-by-step (Reconciliation$_k$, Reconciliation$_i$).

The difference between economic regression and progression is APPGIT distilled. Economic regression is ordered because it is always juxtapositioned as sitting above ordered conflict's Illusionary Consequence Variables (ICVs). Economic progression is unordered because it is always juxtapositioned as sitting beneath ordered conflict's ICVs.

Aggregation is economic progression analogous and implicates (SWFF: SSD) or (Economic Organization Stages: States of the Economy) transition while disaggregation is economic regression analogous implicates (SSD: SWFF) or (States of the Economy: Economic Organization Stages) transition. Since aggregation is economic progression analogous, aggregation mechanics necessarily sit beneath ordered conflict's ICVs. Reference ethics lessons distill ordered conflict resolution. Therefore, impossibility-resolved aggregation mechanics are achieved through reference ethics generalization. That is, economics must counsel the discipline of ethics to find impossibility-resolved aggregation mechanics and (individual: societal) well-being transitivity. Professor Sen pleads the ethics and economics marriage. (Sen 1987).
The presence of reference ethics is symptomatic of the philosophical economy. Therefore, it can be said that social choice theory competent SWFF and SSD exist only in the philosophical economy.
<table>
<thead>
<tr>
<th>Line #</th>
<th>Function Process</th>
<th>Reconciliation</th>
<th>Progression Process</th>
<th>SWFF</th>
<th>Position Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>OC</td>
<td>Z = f(X, Y)</td>
<td>SSD</td>
<td>SWFF</td>
<td>States</td>
</tr>
<tr>
<td>2</td>
<td>UC</td>
<td>Z = f(X, Y)</td>
<td>MR</td>
<td>Z = f(X, Y)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UC</td>
<td>Z = f(X, Y)</td>
<td>MR</td>
<td>Z = f(X, Y)</td>
<td>OSSD</td>
</tr>
<tr>
<td>4</td>
<td>UC</td>
<td>Z = f(X, Y)</td>
<td>RR</td>
<td>Z = f(X, Y)</td>
<td>OSSD</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>ER</td>
<td>(O:U)SSD</td>
<td>Z = f(X, Y)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>USWFF</td>
<td>Z = f(X, Y)</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td>IDE</td>
<td>Z = f(X, Y)</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>AGE</td>
<td>Z = (X or Y)</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td>IDE</td>
<td>Z = (X, Y)</td>
<td></td>
</tr>
</tbody>
</table>

Legend

O Ordered
U Unordered
C_X Context
C_X (Context: Content) transition
C_N Content
MR Mutual Reconciliation
RR Reflexive Reconciliation
ER Exclusive Reconciliation
k Any
i Given
SSD Social State Definition
SWFF Social Welfare Function Formulation
PHE Philosophical Economy
IFE Information Economy
IDE Industrial Economy
AGE Agrarian Economy
The scripture writers concluded all states of the economy regress from the Philosophical Economy. In PBW Model terms, the sole existence of the Philosophical Economy is defined as (Ordered Social State Definition)$_k$.

Because of the Confounding Principle, the Philosophical Economy and (Ordered Social State Definition)$_k$ define (Any Finite)$_k$ in the \{[Any Finite]$_k$: [Any Finite]$_i$: [(Any: Given) Finite]$_i$: [Given Finite]$_i]\}$ finite space regression. This economic regression correlates with labels used here to describe social state definition regression: [Ordered Social State Definition]$_k$: [Ordered Social State Definition]$_i$: [(Ordered: Unordered) Social State Definition]$_i$: [Unordered Social State Definition]$_i$.

Economic regression is [(Ordered Context)$_k$: (Unordered Context)$_i$: (Unordered Context: Unordered Content)$_i$: (Unordered Content)$_i$] defined while economic progression is [ER$_k$: RR$_i$: MR$_i$: MR$_k$] defined. As a result, [(Ordered Social State Definition)$_k$: (Ordered Social State Definition)$_i$] transition is an economic regression function. Table 5.1 illustrates ordered and unordered context, social state definition, states of the economy and scripture Deity label correlation.

The [(Ordered Social State Definition)$_k$: (Ordered Social State Definition)$_i$] transition is where the Sacred Feminine, *The Perfect and Beautiful Woman*, is resident. She is resident here because the (Any Finite)$_k$ Philosophical Economy's principal purpose is to progressively postulate theory addressing the reconciliation of the creation of the physical universe and the philosophy of the human condition and the Sacred Feminine metaphorically represents all ordered relations space properties, axioms, principles, laws and theorems that enable (theory:
model) transition for the purpose of testing such model operations. In any model setting, the Sacred Feminine is perfect and beautiful because (i) all theoretical models exist in ordered relations space, (ii) all ordered relations space model operations are inherently ordered conflict endowed such that in the absence of ordered objective reference declaration the model is impossibility-plagued, and (iii) impossibility-resolution is a matter of ordered (subjective: objective) reference transition satisfying the Sacred Feminine's Antithetical-Primary Population General Impossibility Theorem.

<table>
<thead>
<tr>
<th>Context(_{(k,i)})</th>
<th>Social State Definition</th>
<th>State of the Economy</th>
<th>Deity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Context(_k)</td>
<td>Ordered Social State Definition(_k)</td>
<td>Philosophical Economy</td>
<td>I Am</td>
</tr>
<tr>
<td>Context(_i)</td>
<td>Ordered Social State Definition(_i)</td>
<td>Information Economy</td>
<td>God</td>
</tr>
<tr>
<td>(Context: Content)(_i)</td>
<td>(Ordered: Unordered) Social State Definition(_i)</td>
<td>Industrial Economy</td>
<td>Lord God</td>
</tr>
<tr>
<td>Content(_i)</td>
<td>Unordered Social State Definition(_i)</td>
<td>Agrarian Economy</td>
<td>Lord</td>
</tr>
</tbody>
</table>

**Table 5.1**  
**Social State Definition**

---

13 I begin to examine the scripture writers' analyses of the relation between the creation of the physical universe and the philosophy of the human condition in my paper titled *The (30, 29) Hebrew Calendar, (31, 28) Star of David and (613) Sefer Ha-Mitzvot (Numerical-Reference, Philosophical-Content) Nexus*. (Jenkins 2005). My current hypothesis is that the scripture writers postulated a theory that the physical universe corrects philosophical corruption (*i.e.*, ordered subjective references), proved the theory in logical argument and discerned empirical evidence to support the theory, all of which is encrypted in scripture. Social choice theory derives from the study of the relation between the creation of the physical universe and the philosophy of the human condition and, as such, exists as a consequence of ordered relations space generalization.
Note, [(Ordered Social State Definition), (Ordered Social State Definition),] transition exists only in economic regression. Scripture's Deities likewise exist only in economic regression. The reason is related to APPGIT. Scripture's Deities speak only in the APPGIT language (e.g., 1243, 2134, 4312 and 3421); this is the language of ordered conflict resolution. The APPGIT language is concomitant with the notion of sitting atop ordered conflict's ICVs. Ordinary number serialization is symptomatic of economic progression. Economic progression is concomitant with the notion of sitting beneath ordered conflict's ICVs. Because the position of sitting beneath ordered conflict's ICVs signals unresolved ordered conflict, where it is generally impossible to incur any consequences other than illusionary consequences, the Deities do not exist in this space. Finally, economic (regression: progression) transition is a utility maximizing economic prosecutor (UMEP) function. This transition is concomitant with the notion of sitting aside ordered conflict's ICVs. UMEP effects an economic progression lock; for example, APPGIT 1243 becomes APPGIT/Serial 1234. Note that APPGIT/Serial 1234 is the same as Ordinary Number Serialization 1234. APPGIT/Serial 1234 is imbued with progression lock information; it means progression is foreclosed until empowerment is APPGIT 1243 returned. Ordinary Number Serialization 1234 is symptomatic of ordered subjective references and unresolved ordered conflict. Sitting aside ordered conflict's ICVs does not enable actual consequence discernment. As a result, scripture's Deities do not reside in this space either.

In scripture's beginning, only the Philosophical Economy exists. That is, only a theory exists. This is the "I Am" Deity's domain. Illustrating the [(I Am): (God, Lord God, Lord)] Deity transition facilitates understanding the [(Philosophical Economy): (Information Economy, Industrial Economy, Agrarian Economy)] transformation. The illustration begins by depicting the Philosophical Economy "I Am" Deity's domain as a box, to wit:
In the beginning, I Am represents a theory. By applying the Sacred Feminine's ordered relations space principles, axioms, properties, laws and theorems to I Am's theory, the other Deities are created to model the theory by representing the theoretical model's unordered regression. This regression is analogous and is practically characterized as the regression.

Metaphorically, the creation of the other Deities involves the relationship between I Am and the Sacred Feminine, here described as the Perfect and Beautiful Woman. The Perfect and Beautiful Woman is represented by the notion of a womb. Graphically, the womb is characterized by two interlocking circles representing the relationship of a woman's ovaries forming her womb, to wit:

![Diagram of the Perfect and Beautiful Woman](image)

Metaphorically, the Perfect and Beautiful Woman has relations with I Am. Such relations signal transition. Theoretical models exist only in (Any Finite) space. The transition introduces theoretical model hierarchical structure in the form of the lower quaternary order. The introduction of hierarchical structure invokes the notion of theoretical equilibrium. The scripture writers use the Pythagorean
Theorem's notion of equilibrium to represent theoretical model equilibrium, to wit: \( C^2 = A^2 + B^2 \). Specifically, in the social choice theory model setting, implicit individual well-being is a function of explicit operations formation and capital formation well-being.

The introduction of hierarchical structure necessarily introduces primary and antithetical forces (i.e., operation formation and capital formation in the social choice theory model setting) and imbues theoretical model impossibility-resolution with the necessary condition of reference ethics generalization. Metaphorically, relations take place between I Am and the Perfect and Beautiful Woman, to wit:

![Diagram](image.png)

**Figure 5.3**
I Am and Perfect and Beautiful Woman Relations

Although scripture's Deities exist in the lower quaternary order state of the economy space, which is quintessentially social state definition space, the \([\text{Lower Quaternary Order)}: (\text{Higher Quaternary Order})\] transition perception is a SWFF necessary condition. This is the Sacred Feminine lower order derivative which the New Testament metaphorically refers to as Martha, the sister of Lazarus.\(^{14}\) Figure 5.5 illustrates the Sacred Feminine lower order Martha derivative ellipse triumvirate that is commonly referred to as the "Trinity."

---

\(^{14}\) The story of the resurrection of Lazarus is told in the New Testament in the Gospel of John 11:1-45. The story involves \([(\text{Star of David Set})_n : (\text{Star of David Set})_{n+1}] transition. The (Star of David Set)\(_n\) Jesus, the metaphor for the spiritual infrastructure product that effected the intra-alignment of (Star of David Set)\(_n\), is renamed Lazarus in the (Star of David Set)\(_{n+1}\) perspective. The (Star of David Set)\(_{n+1}\) Jesus' Lazarus resurrection metaphorically
Both PEₚ and PE₄ are Martha transition perception endowed such that there is a (Martha)ₚ and a (Martha)₄. Here, unordered PEₚ is operations formation defined and unordered PE₄ is capital formation defined. The (PEₚ, PE₄) ordered Philosophical Economy is defined as Economic Productivity where it is indifferent whether such productivity was either PEₚ or PE₄ initiated.

represents the idea of applying the (Star of David Set)ₙ intra-alignment qualities to the (Star of David Set)ₙ₊₁ opportunity. That is, the (Star of David Set)ₙ₊₁ Jesus is committing Will of God intra-alignment error inasmuch as the necessary (Star of David Set)ₙ₊₁ intra-alignment qualities improve on the (Star of David Set)ₙ intra-alignment qualities. (Jenkins 2006B). The Gospel of John Chapter 11 Martha and Mary reported conversations are a metaphorical warning to the (Star of David Set)ₙ₊₁ Jesus that He is about to commit (Star of David Set)ₙ Will of God intra-alignment and, as a result, [(Star of David Set)ₙ: (Star of David Set)ₙ₊₁] transition Will of God inter-alignment error. But, the (Star of David Set)ₙ₊₁ Jesus does not listen and will eventually be crucified in the [(Star of David Set)ₙ: (Star of David Set)ₙ₊₁, (Antichrist: Christ)] transition.
While Martha is an economic regression Sacred Feminine derivative, both Mary Magdalene and Mary, the Mother of Jesus, are economic progression Sacred Feminine derivatives. Mary Magdalene is the Mary the New Testament refers to as the other sister of Lazarus. The point is straightforward. Both Martha and Mary, sisters of Lazarus, are transition perceptions; Martha is the lower order perception while Mary, her sister, is the higher order perception. They essentially represent both sides of the same coin, so to speak. That is, looking at the model in one direction is Martha, while looking at the same model in the same Sacred Feminine derivative juxtaposition, but in the other direction, is Mary. Thus, Mary Magdalene is the progressive states of the economy (Higher Quaternary Order: Lower Quaternary Order) transition perception.

The Genesis 1:16 "stars" metaphorically reference sets of Stars of David, which are an economic progression or higher order phenomena. Therefore, the Mary Magdalene (Higher Quaternary Order: Lower Quaternary Order) transition perception is characterized as the \[(\text{Stars of David Set})_n: (\text{Stars of David Set})_{n+1}\] transition perception, or the ordered Stars of David set transition perception. On the other hand, Mary, the Mother of Jesus, is the economic progression unordered Stars of David set transition perception. That is, Stars of David exist only in economic progression.

I Am is scripture's implicit Deity. I Am is implicit because the ordered context function is substantively a transition between two unordered context states. The transition function characterizes a progression continuum. As a result, scripture's implicit Deity, I Am, is its continuum Deity. In a sense, the Philosophical Economy transition to the next progression's "Agrarian Economy" level makes the Philosophical Economy invisible, to wit:
The Philosophical Economy is not characterized by the same kinds of substantive qualities as are the other three states of the economy. Its distinguishing characteristic involves philosophical structure: the shift of reference control incidence. Unordered Philosophical Economy transition involves reference (endogenous-position: exogenous-position) transition. Unordered Philosophical Economy transition occurs within a quaternary order states of the economy, to wit: (Information Economy)_n: (Philosophical Economy)_n transition. Ordered Philosophical Economy transition involves (exogenous-position_n: exogenous-position_{n+1}) transition. That is, ordered Philosophical Economy transition involves (Philosophical Economy)_n: (Philosophical Economy)_{n+1} transition. Accordingly and due to APPGIT, unordered Philosophical Economy transition is an economic progression notion while ordered Philosophical Economy transition is an economic regression notion.

A. State of the Economy Formation

Figure 5.5
The Invisible "I Am" Philosophical Economy

The Philosophical Economy is not characterized by the same kinds of substantive qualities as are the other three states of the economy. Its distinguishing characteristic involves philosophical structure: the shift of reference control incidence. Unordered Philosophical Economy transition involves reference (endogenous-position: exogenous-position) transition. Unordered Philosophical Economy transition occurs within a quaternary order states of the economy, to wit: (Information Economy)_n: (Philosophical Economy)_n transition. Ordered Philosophical Economy transition involves (exogenous-position_n: exogenous-position_{n+1}) transition. That is, ordered Philosophical Economy transition involves (Philosophical Economy)_n: (Philosophical Economy)_{n+1} transition. Accordingly and due to APPGIT, unordered Philosophical Economy transition is an economic progression notion while ordered Philosophical Economy transition is an economic regression notion.

A. State of the Economy Formation
1. Agrarian Economy Capital and Operations Formation

Agrarian capital and operations formation are necessarily endowed with economic formation's single strata and single risk assessment criterion characteristics. This defining constraint applies equally to both capital formation and operations formation.

a. Capital Formation

Evidence of the Agrarian Economy's capital formation unordered position includes the development of unit banks in the United States where the banking infrastructure was designed to primarily serve all the demands of the Agrarian Economy. Unit banks were typically small, family owned banks, which paralleled the ownership of agricultural operations economic organizations. Typically, unit banks funded all agrarian operations economic organization capital requirements. From the capital manager's perspective, risk assessment is a return of capital and profit function where profit is a discount rate or interest rate revenue-maximization function.

b. Operations Formation

Generally, Agrarian Economy operations formation is likewise stratification devoid, involving only one stratum. Typically, the agricultural operations economic organization in the United States was characterized as family operated where third party labor was derived from slavery. (Miles 2005, p. 3). Because the Agrarian operations economic organization is characterized by the lack of management and labor separation, Agrarian Economy operations formation is characterized as unordered. From the operations manager's perspective, the risk assessment is a discount or interest rate cost-minimization function.
2. Industrial Economy Capital and Operations Formation

The Industrial Economy capital and operations formation (short term, long term) bifurcated stratification, including risk assessment bifurcated stratification, translate into the idea the Industrial Economy hierarchical or ordered position \( n \) exists but ordered position \( n+1 \) does not. Since ordered position \( n+1 \) is an ordered transition necessary condition, ordered transition does not exist. Ergo, the Industrial Economy is (unordered transition, ordered position) "(context: content)" analogous.

The Industrial Economy introduces threshold (capital, operations) formation stratification. The principal stratification criteria are time-based short and long term formation requirements. (Capital, operations) formation in the Industrial Economy is a function of the present value of assets; which is inherently time driven. Moreover, Industrial Economy capital formation stratification is a function of duration and discount rate risk assessment. Ergo, it can be said the advent of the Industrial Economy introduces the threshold interest rate term structure. Equilibratorily aligned \{[(management practice-capital, management practice-operations], [(revenue-maximization, cost-minimization), (discount or interest rate risk assessment, duration risk assessment)]\} identifies the Industrial Economy's equilibrium (capital, operations) formation supply and demand.

a. Capital Formation

In the Industrial Economy, the banking system addresses short term and the capital markets address long term capital formation strata. Moreover, capital formation essentially transacts through formal capital market cartel arrangements. This means allocations of scarce capital formation resources are accomplished through direct capital agreements with the operations economic organization because it is defined as substantively equivalent to the entity's
legal existence. From the capital manager's perspective, risk assessment is a return of capital and profit function where profit is a discount rate or interest rate and duration revenue-maximization function.

b. Operations Formation

Separation of management and labor creates operations formation ordered positions. In the Industrial Economy, tactical operations formation is introduced, deriving the (tactical: entrepreneurial) operations formation management practice ordered position.

In the Agrarian and Industrial Economies, the operations-based economic organization's entity time-based performance is implicated by higher tangible asset to book value ratios compared to lower intangible asset to book value ratios. (Kaplan and Roberts 2001). This reconciles with ECSP and economic organization definition legal entity incidence. That is, in the Agrarian and Industrial Economies, ECSP and economic organization definition are not shifted outside the legal entity. From the operations manager's perspective, the risk assessment is a discount or interest rate and duration cost-minimization function.

3. Information Economy Capital and Operations Formation

The Information Economy introduces ordered (capital, operations) formation stratification transition. The (unordered: ordered) (capital, operations) formation stratification transition is engendered by the transformation of stratification criteria from time-based short and long term risk and return criteria into value-based floor, mezzanine and ceiling risk and return criteria. That is, (Industrial: Information) Economy transition involves (bifurcated: trifurcated) stratification transition.
In the Information Economy, (capital, operations) formation essentially transacts through informal cartel arrangements. This means the allocation of scarce (capital, operations) formation resources are accomplished through indirect economic organization capital agreements. An indirect economic organization capital agreement subsumes the direct economic organization capital agreement. But, the threshold resource allocation agreement is indirect because it is extra-entity incident with respect to the economic organization's legal entity. However, because the Information Economy is nonetheless characterized by the economic formation (endogenous-position, exogenous-perspective) reference, (capital, operations) formation control is characterized as conditional.

The Information Economy (capital formation, operations formation) risk assessment involves trifurcated criteria, which parallels the trifurcated value-based Information Economy (floor, mezzanine, ceiling) stratification characteristic. The trifurcated risk assessment criteria are the discount or interest rate, duration and confidence level. There is one tell-tale difference: while the discount or interest rate and duration risk assessment criteria are within-strata risk assessment criteria, the confidence level risk assessment is the among-strata risk assessment criterion.

The Information Economy capital and operations formation within-strata (short term, long term) bifurcated stratification and among-strata (value realization), including risk assessment bifurcated within-stratification and trifurcated among-stratification, translate into the idea the Information Economy is characterized by both ordered position and ordered transition. Ergo, the Information Economy is (ordered transition, ordered position) "unordered context" analogous.

a. Capital Formation
The capital formation basis is transformed from the present value of assets to the expected value of risk and return information because the formation criteria transform from time based to information-based criteria. While (discount or interest rate, duration) present value analysis remains an important capital formation criterion within each (floor, mezzanine, ceiling) Information Economy value-based strata, the incremental Information Economy value criterion distinguishes the strata.

For example and on an ascending basis, (floor: mezzanine)-value capital formation transition defines [(content: context), (unordered transition, ordered position)]. On the other hand, [(floor: mezzanine): (mezzanine: ceiling)]-value capital formation transition defines [(context), (ordered transition, ordered position)].

From the capital manager's perspective, risk assessment is a within-strata (return of capital and profit) function where within-strata profit is a discount rate or interest rate and duration revenue-maximization function. Moreover and again from the capital manager's perspective, risk assessment is a value realization among-strata confidence level function.

b. Operations Formation

Goodwill appears on balance sheets to reflect extra-entity industry leadership incidence value. Now intangible asset to book value ratios outweigh tangible asset to book value ratios. (Kaplan and Roberts 2001). This transition of value measure significance evidences the economic organization's boundary exceeding the legal entity's existence. This signals first instance or unordered context.

In the Information Economy, operations formation likewise transcends the intra-entity: extra-entity distinction. That is, the economic organization's strategic management defines its industry position with respect to its legal entity. By defining industry-level ECSP, strategic
management shifts the economic organization's management control system incidence outside the legal entity to the industry. Strategic management, accordingly, stratifies (strategic: tactical: entrepreneurial) operations formation. Similar to its capital formation counterpart, the Information Economy unordered context is ordered context distinguished by the (endogenous-position, exogenous-position) reference. As a result, Information Economy operations formation is likewise conditional control characterized.

From the operations manager's perspective, the risk assessment is a within-strata (discount or interest rate, duration) cost-minimization function. Ergo, equilibratorily aligned \{[capital formation, operations formation], [(revenue-maximization, cost-minimization), (discount or interest rate risk assessment, duration risk assessment, value realization confidence level risk assessment)]\} identifies the Information Economy's equilibrium supply and demand of capital.

4. Philosophical Economy Capital and Operations Formation

a. Capital Formation

b. Operations Formation
A. The Agrarian Economy

The Agrarian Economy is "unordered content" analogous. Factors gleaned from Agrarian Economy characteristics support this conclusion. The Agrarian Economy is characterized by (unordered transition, unordered position) economic formation qualities. Generally, the Agrarian Economy is stratification devoid; that is, it involves only one stratum. Since one stratum is unordered position analogous, the Agrarian Economy is content analogous.

The Agrarian Economy's single stratum is characterized by such time-based uncertainty that formation is relatively short term constrained. Moreover, the time-based uncertainty makes it generally impossible to formulate any duration or confidence level risk assessments. As a result, the only meaningful risk assessment is the discount rate. The Agrarian Economy's short term formation is intra-entity stratification incident. That is because time-based formation is introspective and does not require an extra-entity reference for its determination.

B. The Industrial Economy

The Industrial Economy is "unordered (content: context)" analogous. Factors gleaned from Industrial Economy characteristics support this conclusion. The Industrial Economy is characterized by (unordered transition, ordered position) economic formation qualities. Generally, the Industrial Economy is characterized by two strata. Since two strata are (unordered transition, ordered position) analogous, the Industrial Economy is (context: content) analogous.

The Industrial Economy's double strata are characterized by distilled time-based uncertainties such that short and long term formation distinctions are enabled. While the distillation of time-based uncertainties enables both discount rate and duration risk assessments, confidence level risk assessment remains generally impossible. The Industrial Economy's short and long term formation is intra-entity stratification incident. Again, whether time-based
formation is short or long term it nonetheless remains introspective for the same reasons set forth in the Agrarian Economy analysis, supra.

C. The Information Economy

The Information Economy is "unordered context" analogous. Factors gleaned from Information Economy characteristics support this conclusion. The Information Economy is characterized by (ordered transition, ordered position) formation qualities. Generally, the Information Economy is characterized by three strata. Since three strata are (ordered transition, ordered position) analogous, the Information Economy is unordered context analogous.

The ordered transition characterization of the Information Economy invokes a transition from time-based formation. The transition evolves into value formation where the value formation subsumes time-based formation. In the Information Economy, the three strata of value stratification are defined as the floor, mezzanine and ceiling strata. The value strata are characterized as the "among strata" relative to the time-based "within strata." That is, each value strata is endowed with short and long term time-based strata. While distillation of short and long term formation uncertainties enables discount rate and duration risk assessments, distillation of value uncertainties distills confidence level risk assessment. The Information Economy's value-based formation is extra-entity stratification formation incident. That is because value-based formation requires an extra-entity reference for its determination.

D. The Philosophical Economy

The Philosophical Economy is "ordered context" analogous. The principal characteristic that distinguishes the Philosophical Economy from the Information Economy is the economic formation reference position. In the Information Economy, the economic formation reference
position is unordered context (endogenous-position, exogenous-perspective) defined. In the Philosophical Economy the economic formation is ordered context (exogenous-position, exogenous-perspective) defined. The (endogenous-position: exogenous-position) reference transition signals concomitant (conditional control: unconditional control) transition.

The foregoing economic formation characteristics are Table 5.1 summarized, to wit:

<table>
<thead>
<tr>
<th>Economy</th>
<th>$C_X \quad C_{X,N} \quad C_N$</th>
<th>Strata</th>
<th>Risk Assessment</th>
<th>Stratification</th>
<th>Stratification Incidence</th>
<th>Reference Position</th>
<th>Reference Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophical</td>
<td>$OC_X$</td>
<td>Triple</td>
<td>Confidence Level Duration Discount Rate</td>
<td>Ceiling Value Mezzanine Value Floor Value</td>
<td>Extra-Entity</td>
<td>Exogenous</td>
<td>Objective</td>
</tr>
<tr>
<td>Information</td>
<td>$UC_X$</td>
<td>Triple</td>
<td>Confidence Level Duration Discount Rate</td>
<td>Ceiling Value Mezzanine Value Floor Value</td>
<td>Extra-Entity</td>
<td>Endogenous</td>
<td>Subjective</td>
</tr>
<tr>
<td>Industrial</td>
<td>$UC_{X,N}$</td>
<td>Double</td>
<td>Duration Discount Rate</td>
<td>Long Term Short Term</td>
<td>Intra-Entity</td>
<td>Endogenous</td>
<td>Subjective</td>
</tr>
<tr>
<td>Agrarian</td>
<td>$UC_N$</td>
<td>Single</td>
<td>Discount Rate</td>
<td>Short Term</td>
<td>Intra-Entity</td>
<td>Endogenous</td>
<td>Subjective</td>
</tr>
</tbody>
</table>

Table 5.1
Economic Formation
The Four Stages of the Economic Organization

The Four Stages of the Economic Organization include the Entrepreneurial Stage, the Tactical Stage, the Strategic Stage and the Policy Stage. The Four Stages are social welfare function formulation intrinsic and therefore are unordered reconciliation characterized. That is, the Four Stages share a similar reconciliation infrastructure but differ on reconciliation criteria. Reconciliation refers to ordered (subjective: objective) reference transition or ordered conflict resolution. The similar reconciliation infrastructure's interchangeable labels are Table 5.1 defined.

<table>
<thead>
<tr>
<th>Reconciliation Infrastructure Definition</th>
<th>Reconciliation Classification</th>
<th>(X, Y)</th>
<th>[(Any, Given), (X, Y)]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indifferent first instance endogenous versus exogenous reconciliation.</td>
<td>Mutual Reconciliation$_k$ (MR$_k$)</td>
<td>(X, Y)$_k$</td>
<td>(Any X, Any Y)$_k$</td>
</tr>
<tr>
<td>Concomitant endogenous and exogenous reconciliation.</td>
<td>Mutual Reconciliation$_i$ (MR$_i$)</td>
<td>(X, Y)$_i$</td>
<td>(Any X, Any Y)$_i$</td>
</tr>
<tr>
<td>First, endogenous and then exogenous reconciliation.</td>
<td>Reflexive Reconciliation$_i$ (RR$_i$)</td>
<td>(X and Y)$_i$</td>
<td>(Any X, Given Y)$_i$</td>
</tr>
<tr>
<td>First, endogenous reconciliation.</td>
<td>Exclusive Reconciliation$_i$ (ER$_i$)</td>
<td>(X or Y)$_i$</td>
<td>(Given X, Given Y)$_i$</td>
</tr>
</tbody>
</table>

**Table 5.1**
Interchangeable Reconciliation Infrastructure Labels
A. The Manager, Management Practice Distinction

The scripture writers' impossibility-resolved social choice theory model propounds (individual: societal) well-being by including the individual in his or her capacity as the individual manager. In [(Any, Given), (X, Y)] reconciliation terms, the individual manager is represented by the "given" qualifier, while a management practice is represented by the "any" qualifier. The distinction is straightforward. Strategy formulation becomes social welfare function and management control systems impounded only if it is (social welfare function formulation: social state definition) transitive. As a result, strategy formulation must prove not to be manager idiosyncratic in order to effect (given manager: any manager or management practice) transition and become social choice theory competent.

B. Management Control Systems and Strategy Formulation

The scripture writers' definition of management control systems and strategy formulation is likewise straightforward. Management control systems represent cumulative historical cumulative strategy formulation that has proven to be social choice theory competent and, as a result, have become social welfare function impounded. Strategy formulation is the unordered social state definition that is ripe for management control systems impoundment. The combination of management control systems and strategy formulation defines the scripture writers' notion of the "Economic Control Systems Product" (ECSP).

The literature includes a few notions that help characterize the scripture writers' ECSP notion. First, Professor Simons' four levers of control [the Four Levers] (Simons 1995) correlate management control systems with the first three stages of the Four Stages of the Economic Organization. Second, Professors Kaplan and Norton Balanced Scorecard's four perspectives
[the Four Perspectives] (Kaplan and Norton 1992) correlate strategy formulation perspectives with the first three stages of the Four Stages of the Economic Organization.

C. Professor Simon's Four Levers of Control

Simon's Four Levers classify the enterprise control systems product into Beliefs Systems, Diagnostic Control Systems, Boundary Systems and Interactive Control Systems, (Simon 1995), to wit:

D. The Kaplan and Norton Balanced Scorecard's Four Perspectives

C. The Four Stages

Explain why the Four Levers and Four Perspectives correlate with each stage.

1. Entrepreneur Stage

The Entrepreneur Stage is primarily (intra-unit, intra-entity, intra-industry) characterized. At the inception of the Entrepreneur Stage, the entrepreneur, entity, enterprise and economic
organization distinction is confounded. As progression proceeds, the distinction becomes unconfused. At the end of the Entrepreneur Stage, the entrepreneur is distinguished from the yet confounded entity, enterprise and economic organization. The Entrepreneur Stage is Entity, Industry and Social policy-taker characterized.

15 The entrepreneur, the entity, the enterprise and the economic organization represent important characterizations of economic form. The primary distinction is the entity versus enterprise distinction. The entrepreneur and entity represent economic forms that are within the legal existence of an economic entity. The enterprise and the economic organization represent economic forms that are without the legal existence of an economic entity.
2. The Tactical Stage

The Tactical Stage is primarily (inter-unit, intra-entity, intra-industry) characterized. At the inception of the Tactical Stage, the entrepreneur is distinguished from the yet confounded entity, enterprise and economic organization. As progression proceeds, the distinction becomes unconfused. At the end of the Tactical Stage, both the entrepreneur and entity are unconfused and distinguished from the yet confounded enterprise and economic organization. The Tactical Stage is Entity Policy-Maker and Industry and Social Policy-Taker characterized.

3. The Strategic Stage

The Strategic Stage is primarily (inter-unit, extra-entity, intra-industry) characterized. At the inception of the Strategic Stage, both the entrepreneur and entity are unconfused and distinguished from the yet confounded enterprise and economic organization. As progression proceeds, the distinction becomes unconfused. At the end of the Tactical Stage, the entrepreneur, entity and enterprise are unconfused and distinguished from the yet confounded economic organization \(\mathbb{E}_{(n, n+1)}\). The Strategic Stage is Industry Policy-Maker and Social Policy-Taker characterized.

4. The Policy Stage

The Policy Stage is primarily (inter-unit, extra-entity, extra-industry) characterized. At the inception of the Policy Stage, the entrepreneur, entity and enterprise are unconfused and distinguished from the yet confounded economic organization \(\mathbb{E}_{(n, n+1)}\). As progression proceeds, the distinction becomes unconfused. At the end of the Policy Stage, the entrepreneur, entity, enterprise and economic organization \(n\) are unconfused and distinguished from the yet
conounded economic organization\( I_{n+1, n+2} \). The Policy Stage is Social Policy-Maker characterized.
Social State Definition
VIII
The Economic Control Systems Product

The Economic Control Systems Product is social welfare function analogous. It represents cumulative ordered social state definition already impounded in the economic organization's management control systems. ECSP also includes the progressive strategy formulation unordered position, which is the unordered social state definition ECSP element. ECSP is a product of the Four Stages and Four States.
IX
Conclusion

The paper demonstrates Professor Arrow's social state definition contributes to the impossibility-plagued nature of the contemporary economists' social choice theory models because it is supply and demand framework imprested where individual consumption utility is compared to economic organization production preferences. Such comparisons violate APPGIT's formidable ordered conflict proscription and render it generally impossible to ferret any result other than illusionary consequences. Moreover, academic research undertaken to effect an Arrovian impossibility end-run are concluded as illusionary. Competent social choice theory impossibility resolution is demonstrated by the scripture writers to involve ordered conflict resolution and reference ethics based aggregation mechanics. By constraining the individual's consumption utility as model implicit and social welfare function formulation to reference ethics based comparisons of capital and operations economic organization production preferences, the scripture writers' social choice theory model achieves impossibility-resolved aggregation mechanics.
References

Texts


Articles


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<tr>
<td>Elizabeth Quaternary</td>
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# Mary Magdalene

(Magdalene: Mary, the Mother of Jesus)

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<thead>
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<th></th>
<th>( \mathcal{DGO}_{n} )</th>
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- OC\(_X\)
- UC\(_X\)
- UC\(_{N,X}\)
- OC\(_Y\)
- UC\(_Y\)
- UC\(_{N,Y}\)
- UC\(_Y\)
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<th>USSD$_t$ Agrarian Economy</th>
<th>(O: U)SSD$_i$ Industrial Economy</th>
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<td>$\star_{16}$</td>
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| [(U$_R$, E$_E$, I$_E$), (AR$_X$, AC$_N$)]$_k$ | Agrarian | |
| [(U$_R$, E$_E$, I$_E$), (AR$_X$, AC$_N$)]$_t$ | | |
| [(U$_R$, E$_E$, I$_E$), (AR$_X$, GC$_N$)]$_i$ | | |
| [R$_X$, AC$_N$]$_k$ | | |
| [R$_X$, GC$_N$]$_i$ | | |

Philosophical Information
Industrial

Philosophical Information
Agrarian

Industrial

[GR$_X$, GC$_N$]$_i$

61
## The Social State Definition Table

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<tbody>
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<td>[12·7·7·7, DGO_{i:n+1}]</td>
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<td>Explanation</td>
<td>Explanation</td>
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### Phi_16

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<td>(δ = 0, μ)_{D}</td>
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<td>(Skewed, δ ≠ 0, μ)_{D}</td>
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