

L A W S O F A L L TM



System Laws Reveal Hidden Secrets of the Universe
and Approaching Dark Age of Civilization,
Part I - Quest for Life, Vol. 1/Preface

M i c h a e l H. B i n s

The LAWS OF ALL™ Book Series

Everything around us is a system. The universe and our own bodies are systems. Social, political and economic systems govern our civilization. Yet general laws of all systems, which might guide us in managing these systems far less recklessly, are not widely recognized to exist, never mind that there's little or no description of them. The *Laws of All*™ book series works at filling in that knowledge void.

In the course of this research, keys to the universe's "chest" of deeply buried secrets were found and applied. This led to a new *foundational* understanding of general systems, their laws, and their application toward the diverse and oftentimes cryptic systems of not only the "hard" universe, but also the socio-politico-economic "universe," and beyond. Stemming from all this is a new understanding of our physical reality that entails profound implications across the board with the future possibility of great societal advancement.

On the one hand, humanity appears to be at the threshold of an *evolutionary* "springboard" of sorts, able to propel us and our galaxy of knowledge to new and unimaginable heights. But on the other hand, it appears we've latched onto a "devolutionary" death spiral: out of control and circling a dark-age, if not the end of all human existence. By becoming more aware of deep-seated errors and deficiencies ingrained in the human psyche as well as why they exist and how they propagate, society is given fighting tools to help fend off the negative outcome and guide itself to a more desirable destination—perhaps even into a new *enlightened age*.

BINS ANALYTICS™

A new way of thinking.

The truth can be known. The world can be understood.

WWW.BINSANALYTICS.COM

LAWS OF ALL™

System Laws Reveal
Hidden Secrets of the Universe and
Approaching Dark Age of Civilization,
Part I - Quest for Life, Vol. 1/Preface

Michael H. Bins

BINS ANALYTICS™

A new way of thinking.

The truth can be known. The world can be understood.

WWW.BINSANALYTICS.COM

Copyright © 2017 by Michael H. Bins

All rights reserved under
International and Pan-American Copyright Conventions.
No portion of this publication may be reproduced or transmitted in any
format using any means without prior written permission of the
publisher. Other restrictions may apply. See the publisher's website.

Published by Bins Analytics
<http://www.binsanalytics.com>
U.S.A.

Bk:1 Ed:1 Rev:1 Vn:0 Ft:1 Pr:1

Front Cover Image: “Red Shift, Blue Shift,” by Michael H. Bins.
Adapted from a Hubble Space Telescope image of the
Whirlpool Galaxy, M51a (NGC 5194), courtesy of NASA, ESA,
S. Beckwith (STScI), and the Hubble Heritage Team (STScI/AURA).

...to all life on Earth...that it may persist...

In gratitude to the *Quintessence* for teaching: When faced with constant hurdles, persistently envision what lays beyond the “event horizon”...

In gratitude to the *Quintessence* for making this book possible...

In gratitude to the *Quintessence* for...

PREFACE

Fallacies, false assumptions and misconceptions abound in our society. They are seemingly subtle yet exist at even the most fundamental roots of knowledge. In many cases, they are pervasive and/or self-perpetuating. For example, in physics and cosmology certain long-standing, fundamental theories of nature appear incorrect based on multiple observations. This led me to theorize anew and arrive at another more explicative reality. In the process, a *hidden* key was stumbled onto that unlocks the deeper *secrets of the universe* opening hidden doors to new understanding. And it's an understanding that carries with it deep physical, cosmological, philosophical and scientific implications with broad multidisciplinary application across the board. This all foreshadows the future possibility of great societal advancement.

Remarkably, the new findings referred to above are *not* arbitrary contrivances detached from reality. They are instead based on empirical evidence, mathematical derivations, accurate quantitative predictions, formulaic support, geometrical proof, thought experiments and logical analy-

ses, not to mention the theoretical underpinnings. While new physical experiments described herein must yet be performed, all in all there's *already* a sound basis in fact independent of mere arbitrary constructs.

Another critical example of the underlying premise regarding fallacies occurs in the socio-politico-economics arena. It appears we often misunderstand, or miss entirely, some of the most basic truths that rule our day, truths *also* anchored in the broad-based rudimentary findings alluded to above. Without this fundamental understanding, it is difficult to discern the cause of increasing societal breakdown and general decline so that proper steps can be taken to reverse the trend. And without a trend reversal, a highly undesirable outcome will eventually be realized, one that is likely irreversible. This would be worldwide oppression under the guise of universal totalitarianism: a *dark age* with human extinction looming just beyond a black horizon.

So on the one hand, we might see the sunset of freedom and democracy as we know it today. On the other hand, mankind may stay awake long enough to see the "sunrise": the dawn of a new age where we may experience revolutionary—or possibly even *evolutionary*—improvements in civilization and the human condition. By becoming more aware of deep-seated errors and deficiencies ingrained in the human psyche as well as why they exist and how they propagate, society is given fighting tools to help fend off the negative outcome and guide itself to a more desirable destination—perhaps even into a new *enlightened age*.

The discoveries described in this book work toward accomplishing this more positive outcome by providing what could be thought of as a gateway to a new reality. This is not meant literally as a physical gateway into another dimension, but as a passageway to understanding the dimensions we're already experiencing, i.e., a corridor to learning the fundamental reality and nature of *all* the world of systems around us and the dimensions thereof. This represents a new frontier where tough issues can be viewed within what is often an entirely new context and analyzed with new tools from a fresh perspective. Often, this peels back the undercoat painted across the entire "canvas." With deeper dives, one may even dissect the canvas.

With my principal purpose to write the material into existence, this work has become voluminous. In short, some weak veins were tapped at the outset and then, unexpectedly, there was a knowledge "blowout." Nevertheless, it appears all this may represent just the proverbial "tip"—or to preview Part II,^[F3] "just one ice-capped peak in a rather wide and breathtaking range." And faced with daunting issues of global proportions, it is imperative "the fog" surrounding these diverse mountains of knowledge begin to thin. Time, and the ages it etches, will certainly not give us forever. Based on the findings, even time itself may not be given forever.

Throughout the course of this book are frequent direct and indirect references to *hard science* and *soft science*. The former is used to refer to the physically based sciences, or natural sciences like physics, chemistry and astronomy,

while the latter generally refers to all other fields of scientific study. In some circles, the phrase *soft science* is used pejoratively to refer to results that are something less than fully objective, i.e., not hard like concrete. In no instances within this body of work is this sense of the usage meant. However, since the outcomes of physical studies tend more toward black and white—like asphalt and concrete—at times some bit of a hard-soft rift can develop within the scientific community due to the distinction, especially when project funding is concerned.

This rift draws some analogy to the left-right divide alluded to on the book's cover. But the view taken here is that, because it is more often difficult to quantify and formulate, soft science is truly harder than hard science. And this distinction offers some explanation for the strong left-right polarization of the day. That is, the energies involved in the soft sciences are far more challenging to define let alone measure. This leads to large areas of disagreement over mounting socio-politico-economic issues that ought to be routine matters of fact. Considering the knowledge gusher mentioned above, this book acts as an organizational “wellhead” that attempts to lay a more fundamental foundation spanning both the hard-soft and left-right divides. Hopefully, in time, work on this front will allow many of the worst potholes and sinkholes dragging us down to be filled in with strongly set, agreeable facts—from both sides.

Since this book covers concepts in both the hard and soft sciences, it is, in a sense, two books in one. This broad stroke was necessary to clearly depict the close fundamen-

tal relationship between these otherwise diverse disciplinary classes as viewed from a united perspective transcending all. And this theme is key to bridging the gap of knowledge between, knowledge which may well be the linchpin for human survival.

In a broad and general sense, people tend to be preoccupied with solely hard-science-oriented matters, or, solely soft-science-connected endeavors. That is, they are either involved with pursuits in hard scientific research, engineering, materials, manufacturing, medicine, architecture, construction, physical services, healthcare, environmental studies, agriculture, etc., or, they are involved with lifework in soft scientific research, management, economics, finance, business, politics, law, philosophy, psychology, sociology, theology, pedagogy, “soft” services, cultural studies, human history, language, communications, the arts, humanities, etc. Yet despite this loose “bisection” into equally important aspects of human civilization, all people are nonetheless members of a world society governed by fundamental conceptual threads intertwining *both* these realms. So it is a matter of self-preservation that each group pay attention to what the other is doing to better understand how diverse concepts affect this world in which we all live, for misunderstood and misapplied, their impact can swing immensely negative.

A diverse range of perspectives is needed to build this bridge of knowledge, each truss critical in ensuring this “world experiment” doesn’t run amok and steer us all into a black-hole abyss. To this end, the broad range of material in

this book is presented in a way that hopefully promotes widespread interest across a broad range of vocations and national settings. This task was mitigated since in actuality the general concepts are naturally applicable globally and universally, for they are even *superuniversal* in nature. In fact, the reader may find to their astonishment that, in the broadest sense, this book provides a true *theory of everything*. That is, it not only reveals an all-encompassing physical science theory of the universe and all things physical as has been conjectured, it also provides the *Theory of All* entities—physical or otherwise. The pages that follow deduce that all there is can be broken down into two fundamental states; of primary importance is the *system state*. And *all* systems are found to obey the same set of generalized system laws fittingly dubbed here the *Laws of All*.

Important members of these system laws are explored in detail, some that are already well known, some that are derived herein. One crucial finding among many is the requisite existence of the *system fabric*, a ubiquitous underlying ruling entity that defines the true nature and characteristics of every conceivable system type. All these general Laws of All combined with this simple two-state concept and other models proposed in this book make up this Theory of All.

This new foundational knowledge of systems is crucial for all to understand, for all that's around us is a system, including our own bodies. And all that we work with is a system, including in all the diverse fields listed above. So all people are directly affected by these laws on a daily ba-

sis in multiple ways—some more so than others. As such, this book should be of general interest to all. And if one has even a passing interest in topics related to systems of government, politics and economics; dimensions, time and the universe system; the fate of the planet and possible “end of the world” and its system; or anything along these lines, this material should keep your attention glued and transfixed. Understandably, with such broad-ranging topics this may sound unreasonable at first. However, early in Part II^[F4] it is shown that even system types as diverse as these rest on foundations with a common “blueprint”—a common foundational model. As such, they share the same building blocks and possess like cornerstones. Yet we tend to ignore these basic attributes and their governing system laws and fabrics at grave peril.

This all brings us to a new way of thinking—*Bins Analytics*—which is, essentially, a new way of thinking about everything, about *All*. This entails analysis of systems in terms of fundamental system laws and principles—the Laws of All—that probably few consider on a routine basis and whose very existence many are probably not even aware of. One of the main goals of this new method of reasoning is the same as that for *Bins Analytics*TM publications, and of this research-analysis venture in general: to teach us to think more clearly and objectively in terms of these bedrock laws so new truths can be uncovered and understood.

*LAWS OF ALL*TM—or *Theory of All* for that matter—may just as well have been the whole of this book’s title

except the objective here is to also focus on key areas of science, areas that may not only be holding the world back, but areas that may be inadvertently knocking it out of a “steady orbit.” However, armed in these key areas with new knowledge—generalized knowledge of All—it is not only believed such catastrophe can be averted, but that societal advancements may proceed beyond our wildest expectations—if only we learn. Trouble is, it turns out getting our think box around new concepts does not come naturally, as new ideas tend to repeatedly ricochet off our minds. *Learning itself is an obstacle*. With perception set adrift, incognizance stars, factuality understudies, and fallacies abound...

Ironically, the initial goal of this endeavor was not to develop a so-called theory of everything. It was simply to better understand the soft-science systems that influence world affairs, namely those weaved from *The Social Fabric*—which was actually the book title first envisioned. But soon it became apparent: understanding hard systems and the physical is a prerequisite to turning the soft social-fabric inside out for a closer look at its underlying “woven” patterns—structural, behavioral or otherwise. So let this encourage us to pay more-serious attention to these hard scientific concepts and their application to the “softer” world of systems around us, for at times we may think the “soft” is easier to see and understand when in reality we may just be another of fallacy’s untold victims “not seeing the forest...”—or the fabric.

Besides being essentially two books in one by covering both hard and soft topics, this book may at times seem

dense—more like four books in one. As it turns out, this is not so much because the innards of nature are complicated. In fact, the bare essentials bear the epitome of simplicity. Instead, it is because the inner workings of the human mind are more complicated than we typically believe, confounding cognition at every turn. This demands more-detailed depths of analyses. The fact that the author of the book is also subject to these “clogged cogs” compounds the problem further, adding yet more resistance to the transfer of energy we call *knowledge*. This soft-science phenomenon discussed late in Part II^[F5] suggests a less casual read-through for material that may be so new and fundamentally different as to be revolutionary. But note that, in general, the mathematical details included are for those so inclined and may be skimmed by others without missing the key points. In some cases, whole sections may even be skimmed and/or saved until last to suit the reader’s preferences. This is explained in more detail at the outset of Part II.^[F6] So this need not all appear so overwhelming. For many, the reading may essentially be cut in half if so desired. In addition, interjection of real-world applications, examples and history provides accommodating breathers. All that said, civilization appears to be headed toward a literal dead end if we don’t take the time to fully comprehend why. So the reader’s *own* understanding and extrapolation of key details could prove instrumental in changing course toward brighter horizons.

The tone of this book is not meant to be that of an arrogant, baseless tirade although, admittedly, it’s possible I

erred at times. Like probably most people, my thinking features two voices: one that reasons more subjectively and extemporaneously and another that is based on more-carefully thought out objective analyses. In my case, the latter are usually worked out in written form and tend to be harder to argue with, but it's not impossible for the former to make it to print. In general, this more subjective voice may be the one that's universally more common when communicating. This may be what's generally more palatable to the human mind, what focuses attention and induces creative reflection rather than inducing drowsiness or otherwise acting as a sleep aid. Unfortunately though, this voice essentially amounts to a policy of "shoot first and ask questions later," a risky practice that has been known to hit the target occasionally, but one that is the very same enacted at times in a shockingly *literal* sense by the barrel of a persuader in the hands of a loose cannon. Even more far-reaching systemic damage may be done though when key government or business leaders tend to rule from mere perception rather than truth, from subjective opinion rather than objective fact, from the "hip and side arm" rather than careful, deliberative, constructive thought. Facts can steer us straight; opinions ignorant of them just head for opposite shores. But even when we manage to get all this down right, no one is spared a delusion or two as shown by law in Part I.^[F7]

Analyses must always start somewhere. And lacking definitive guiding data, some speculative hypothesis is often called for to aim one's "trawler" toward those untapped

schools of thought hiding deeper below the surface. Ideally, such hypotheses are rooted in and/or are supported by fundamental aspects, which was generally the goal here when necessary as opposed to relying on some preconceived personal bias or resorting to entirely ad hoc solutions. But aside from the less-than-purely objective portions, it would be an accurate characterization to say that this book is a presentation of observations and analyses that support, if not prove, the case regarding the existence and persistence of pervasive fallacies, false assumptions and misconceptions. And furthermore, it presents what are believed to be more-objective, more-plausible and more-explicative perspectives.

Although it is unlikely these perspectives are thoroughly devoid of all error, they've had a long time to stew. That is, there was significant contemplation, thought, rethought and "re...rethought" entailed in arriving at them. So it is believed they are planted on firm soil and the reader may find many of the analyses and "sprouts" thereof agreeable. Nevertheless, it is not desired to simply replace one fallacy with another. But by presenting this objective alternative view, it is hoped people will begin to think anew: to reason more broadly in the open-minded terms of system fabrics and the real laws that govern them thereby subduing baseless tirades, which often occur otherwise without us really even trying. The end goal is that *all* fallacy, error and "lint" can one day be given the final brush-off from the social fabric on mankind's trek to truth, knowledge and fact-based societal advancement.
