

“Tobias and Morrison have done it again! In an important sequel to their previous books, they introduce the concept of Compound Expressive Potential, which combines aspects of human history, biosemiotics, and quantum physics to propose a radically novel solution to how we view evolution, predation, and stability in ecosystems. This may well be the most important book that Tobias and Morrison have written to date, challenging our understanding of how Nature works and how humans can seamlessly fit into this world without destroying it.”

Dr. Con Slobodchikoff, Author of *Chasing Doctor Dolittle: Learning the Language of Animals* (St. Martin's Press, 2012); Professor Emeritus of Biology, Northern Arizona University, CEO of Zoolingua, CEO of Animal Communications Ltd., Director, Animal Language Institute; Lead author, *Prairie Dogs: Communication and Community in an Animal Society* (Harvard University Press, 2009)

“Utterly fascinating. Scientifically provocative. Urgently necessary. Read this book.”

William Shatner, Actor, Writer, Producer

"Tobias and Morrison's mastery of the sciences, philosophy, history, mathematics and the work of numerous other scholars chronicled in this masterpiece is amazing, compelling, extraordinary, articulate, engaging and, at times, very demanding.

They have a comprehensive understanding of equilibriums that define life on this planet. Each page gives new insights and challenges the reader to question and explore our biological, geographic, and genetic destinies, including the embrace of a vegetarian diet and sustainable lifestyle. The mathematical functions and independent variables examined in depth are, "complexity, brevity and restraint."

The individual and the collective reality of both use and abuse of nature has been chronicled by Tobias and Morrison in their previous books. Their prolific writing provides the basis of understanding the paradoxes intrinsic both to nature and the experience of humans on earth. There are no exponentials in *nature*. However, all economic growth models *are* exponential. Populations have exploded from 2 to 8 billion people during the last 84 years, matched by the quadrupling usage of gas, oil and coal, which will peak and deplete to zero.

Random Homeostasis - On the Nature of Contingent Reality is a must read for all who have compassion for nature and love the children who will inherit the earth.”

Bob Gillespie, President, Population Communication

“When Albert Einstein observed the phenomenon of particles separated by great distances interacting with each other, he realized that reality is stranger than we can imagine. So it is with homeostasis, the main subject of this extraordinary far-ranging and fascinating book, one bursting with enlightening facts and the wisdom of the world’s thinkers, cultures, and history. The Authors posit that certainty is out the window, and our kindnesses must be brought to bear. In their words, “Our generation’s singular task will be to emancipate our intentions and behavior outside the perceived boundaries of gravity.” This book is not only jaw dropping and eye opening, it reminds us that while we may sometimes see ourselves as mere cogs in the wheel, without us the wheel will not turn in the right direction, if at all. This is a Michelin guide to what Jains call *right thinking*.”

Ingrid Newkirk, Founder and President of People for the Ethical Treatment of Animals (PETA) and its international affiliates – the largest animal rights organization in the world. A Forbes Person of the Year, Ms. Newkirk is the author of 14 books on animals, their abilities, language, and sentience, and the subject of the HBO documentary, “I Am an Animal.”

“Random Homeostasis-- On the Nature of Contingent Reality by Michael Charles Tobias and Jane Gray Morrison is a bold and brave book of historical significance both theoretically and practically. The book’s power is to address both the contingent nature of local and global homeostatic processes expressed in the biosphere’s co-evolutionary earth shaping power, and at the same time to explore the biological realities and dynamics of an ecosphere under unremitting assault by the power of the human species, an animal quite unlike any other.

Random Homeostasis confronts and explores the sad and fundamental truths and dynamics of the Anthropocene and its historical development. The book ventures into terrain where few dare go, combining philosophical ethics, biological analysis, and chaotic dynamics. The Authors note, “Ultimately, this book is but a series of contemplations on a number of interlaced (often obliquely juxtaposed) themes of evolution, ecology and ethics.” It is rare to find those able and willing to explore the fact that “the phenomenon that Being, and being Oneself are entangled oppositionally...”

Random Homeostasis is an enlightening philosophical, biological, historical, mathematical and scientific feast. Tobias and Morrison in *Random Homeostasis* open the door to a basic and necessary re-conception of the nature and dynamics of the living world under human siege and the ethical imperatives that must guide humanity's conduct.”

Roy Morrison’s books include *Ecological Democracy, Sustainability Sutra; An Ecological Investigation*, and his latest, *The New Green Republic*. Morrison is an internationally acclaimed energy expert and Managing Partner of Sun Partners Solar in the northeastern United States. Morrison (no relation to the co- Author, Jane) is a Fellow at the Center for Ecozoic Societies, and has coordinated China’s International Working Groups (CIWG) to develop super grid and ecological solutions (www.ciwg.net) www.EcoCivilization.info; www.SunPartnersSolar.com. He was the Founding Director of the Office for Sustainability at the Southern New Hampshire University and wrote the first law in the nation for municipal aggregation under retail electric competition.

“The great French philosopher Paul Ricoeur (1913-2005) practiced hermeneutics, an approach useful in interpreting texts, as well as symbols and signs we use to relate ourselves to the world. This method first addressed theological issues, then expanded to encompass exploration of other elements of human nature and culture. It aided us in interpreting the way we share and transmit meaning of the world among ourselves and how we use that meaning to make decisions critical in our times. The decisions we make must be more grounded in philosophy than science. Almost all scientists miss this point because we forget that science is just another human practice. We are the only species that utilizes a defined methodology to collect and explain order in our world. But such explanation is actually the dogma of science; and testable hypotheses are only products published and served up to society. But our intuitive knowledge of the world - how we feel and perceive the environment - is not factored into our explanations. I can explain the concepts of carrying capacity, extinction and natural selection. But as a scientist, I am never required to *interpret* what carrying capacity, extinction, and natural selection mean to the fate of my species, and all the Others (other species). *Random Homeostasis -On the Nature of Contingent Reality*, is the latest work by Tobias and Morrison. This tome presents the first theory of Anthropocene extinctions based upon a fusion of philosophical and scientific meaning. It challenges us to think where we fit in the orchestra of the cosmos and how fragile our part is in it. A great contribution.”

Melanie L. DeVore, Georgia College & State University Professor, Department of Biology & Environmental Sciences; Arizona State University, Adjunct Faculty Member, Center for Biology & Society and School of Life Sciences; University of Washington, Research Associate in Paleobotany, Burke Museum; New Jersey City University, Earth and Environmental Sciences, Adjunct Professor; University of Rwanda, Honorary Research Fellow in the Center of Excellence in Biodiversity & Natural Resource Management (CoEB-UR, CST)

“Tobias and Morrison’s book *Random Homeostasis – On the Nature of Contingent Reality* provides a fascinating and novel alternative to traditional theories of “punctuated equilibria” and builds a holistic theory of “random homeostasis” based upon theoretical biology, but also the humanities, social sciences and ecological metaphysics. The book is extremely well written and provides insight into the real world we live in today and tomorrow.”

Thomas Gillespie, Ph.D., Professor of Geography specializing in Geographic Information Systems, Remote Sensing and Biogeography, UCLA

“*Random Homeostasis* by Michael Charles Tobias and Jane Gray Morrison, is a treatise on the topic of change through ecological time and space, thought, action and inaction. Fundamental to their discourse is the notion that organisms in the past have existed because contingencies allowed them to adapt and survive external challenges. But of course, times have changed, along with climate and decimation of habitat and species. Their book is a philosophical examination of “the broad discourse on general evolutionary mutations, phenotypically expressed human behaviors, and the largely inaccessible alterations to the biosphere that follow on from collision points, non-equilibrium, and the seemingly random oscillations of ecosystem mechanics.” Precognitive yet retrospective, the Authors’ literary journey brings the reader to the observation that in spite of political rhetoric, nations of the world have failed in their attempts to course correct from an impending Anthropocene tipping point because the world is hamstrung by “the political syndrome of historical sovereignties (illusory boundaries with no ecological basis) vying for power.” *Random Homeostasis* is a challenging work, which weaves in and out of first-person and third person reference to bring together a phenomenally wide range of analytics from quantum math to literary analysis and so much more.”

David J. Wagner, PhD, Author, *American Wildlife Art*; Guest Curator, and adjunct faculty at colleges and universities, and Curator of over fifty art exhibitions