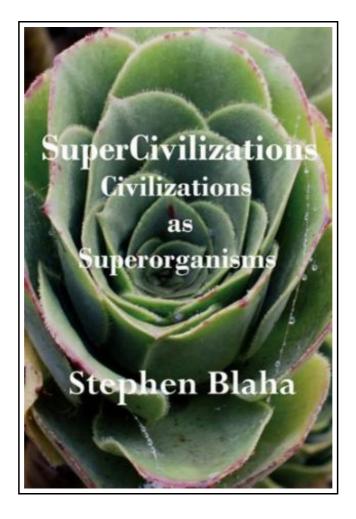
Supercivilizations: Civilizations as Superorganisms



Filesize: 5.55 MB

Reviews

It is really an awesome ebook which i have ever go through. It is actually writter in straightforward terms and not confusing. I am very easily could get a satisfaction of reading a written ebook. (Clotilde Wiegand)

SUPERCIVILIZATIONS: CIVILIZATIONS AS SUPERORGANISMS



To read **Supercivilizations: Civilizations as Superorganisms** PDF, please click the button listed below and save the ebook or gain access to additional information that are related to SUPERCIVILIZATIONS: CIVILIZATIONS AS SUPERORGANISMS ebook.

McMann-Fisher Publishers. Hardcover. Book Condition: New. Hardcover. 294 pages. Dimensions: 10.1in. x 6.9in. x 0.4in.This book develops a new energeticthermodynamic basis for the cyclic nature of civilizations. The growth of a civilization is due to the ability of the civilization to acquire and utilize resources for growth. The theory developed turns out to be identical to Blahas previously developed theory, which successfully matches the history of 50 civilizations. The energeticthermodynamic theory appears in studies of superorganisms such as ant and bee colonies as well as other organisms including colonies of microbes. It also appears in theories of predator-prey populations such as wolves and rabbits. The consideration of superorganisms, predator-prey population cyclicity, and human civilization cyclicity suggests that there is an underlying unity in Nature in the growth of large groups of organisms and leads to the conclusion that civilizations are superorganisms. Thus this new model of civilizations is called SuperCivilizations. The book begins by overviewing superorganisms including some exciting new evidence for microbial superorganisms on land and in the deep sea. Subsequently we discuss almost all of the known human civilizations within the framework of this theory. We also consider the Richardson theory of arms races and show that Richardsons equations are identical to those of our energeticthermodynamic model of civilization dynamics. With a suitable choice of parameters the arms race theory has cyclic solutions (as well as the exponential solutions studied by Richardson) that describe the dynamics of armaments growth in the United States - Russia confrontations from 1981 - 2010. The book also describes a program for the exploration and the colonization of the Solar System and a new means of travel to the stars and galaxies with a view towards the development of a space civilization. The probable effects on contemporary human civilizations of meeting an alien...



Read Supercivilizations: Civilizations as Superorganisms Online



Download PDF Supercivilizations: Civilizations as Superorganisms

Download ePUB Supercivilizations: Civilizations as Superorganisms

Related Kindle Books



[PDF] The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

Click the web link listed below to get "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" document.

Download ePub »



[PDF] Scholastic Discover More Animal Babies

Click the web link listed below to get "Scholastic Discover More Animal Babies" document.

Download ePub »



[PDF] Scholastic Discover More My Body

Click the web link listed below to get "Scholastic Discover More My Body" document.

Download ePub »



[PDF] Yearbook Volume 15

Click the web link listed below to get "Yearbook Volume 15" document.

Download ePub »



[PDF] Multiple Streams of Internet Income

Click the web link listed below to get "Multiple Streams of Internet Income" document.

Download ePub »



[PDF] Early National City CA Images of America

Click the web link listed below to get "Early National City CA Images of America" document.

Download ePub »



[PDF] The Day I Forgot to Pray

Access the web link under to download and read "The Day I Forgot to Pray" file.

Download PDF »



[PDF] Gypsy Breynton

Access the web link under to download and read "Gypsy Breynton" file.

Download PDF »



[PDF] Just So Stories

Access the web link under to download and read "Just So Stories" file.

Download PDF »



[PDF] Memoirs of Robert Cary, Earl of Monmouth

Access the web link under to download and read "Memoirs of Robert Cary, Earl of Monmouth" file.

Download PDF »



[PDF] The Mystery in the Smoky Mountains Real Kids, Real Places

Access the web link under to download and read "The Mystery in the Smoky Mountains Real Kids, Real Places" file.

Download PDF »



[PDF] Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One

Access the web link under to download and read "Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One" file.

Download PDF »