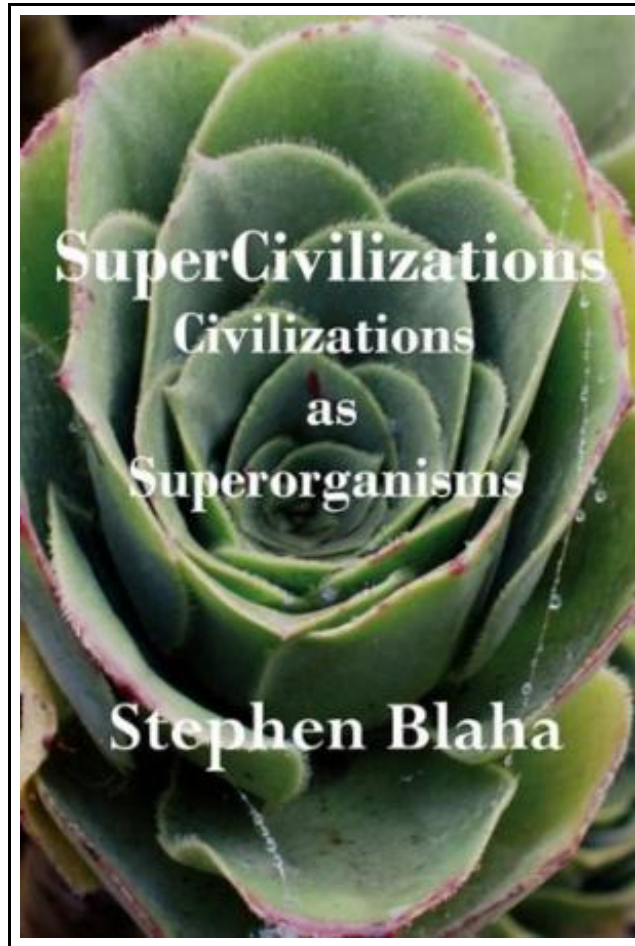


Supercivilizations: Civilizations as Superorganisms



Filesize: 3.99 MB

Reviews

Completely essential read publication. It is really basic but excitement in the fifty percent of the book. You will not really feel monotony at anytime of your respective time (that's what catalogues are for about in the event you ask me).

(Lexie Paucek PhD)

SUPERCIVILIZATIONS: CIVILIZATIONS AS SUPERORGANISMS

[DOWNLOAD](#)

To save **Supercivilizations: Civilizations as Superorganisms** PDF, you should follow the link under and save the file or get access to additional information which are have conjunction with 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](#)

Relevant 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

Access the web link under 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" PDF document.

[Save eBook »](#)



[PDF] Scholastic Discover More Animal Babies

Access the web link under to get "Scholastic Discover More Animal Babies" PDF document.

[Save eBook »](#)



[PDF] Scholastic Discover More My Body

Access the web link under to get "Scholastic Discover More My Body" PDF document.

[Save eBook »](#)



[PDF] Yearbook Volume 15

Access the web link under to get "Yearbook Volume 15" PDF document.

[Save eBook »](#)



[PDF] Multiple Streams of Internet Income

Access the web link under to get "Multiple Streams of Internet Income" PDF document.

[Save eBook »](#)



[PDF] Early National City CA Images of America

Access the web link under to get "Early National City CA Images of America" PDF document.

[Save eBook »](#)