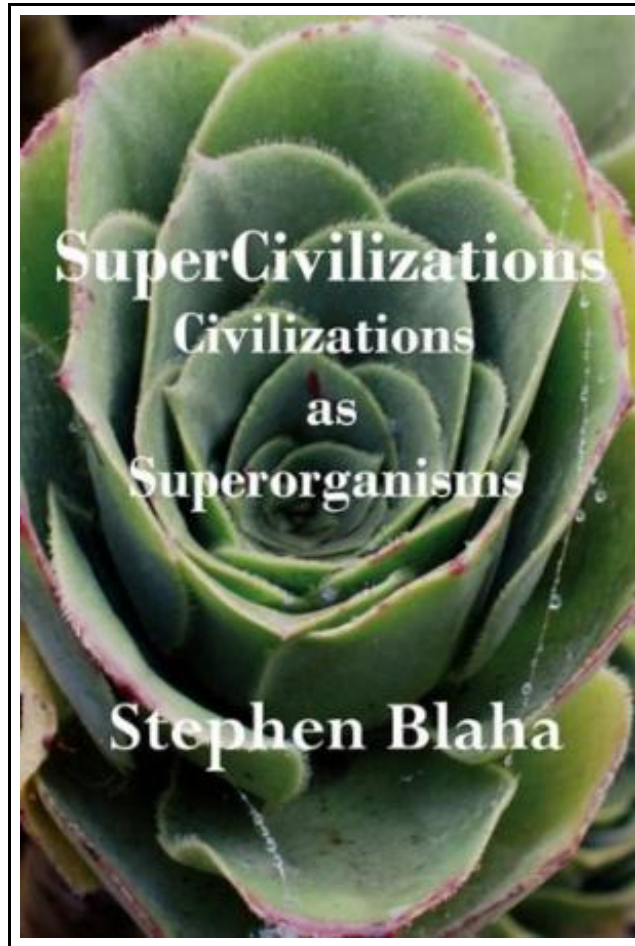


Supercivilizations: Civilizations as Superorganisms



Filesize: 3.78 MB

Reviews

I actually started looking at this pdf. It is written in basic words and phrases and not confusing. I discovered this pdf from my i and dad suggested this publication to understand.
(Vergie Fahey)

SUPERCIVILIZATIONS: CIVILIZATIONS AS SUPERORGANISMS

[DOWNLOAD](#)

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](#)

You May Also Like



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

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in. Oh sure, we all heard the story of Jonah and the Whale a hundred times. But have we...

[Save Document »](#)



Scholastic Discover More Animal Babies

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.6in. x 0.5in. Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the...

[Save Document »](#)



Scholastic Discover More My Body

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.7in. x 0.6in. Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the...

[Save Document »](#)



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in. Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead....

[Save Document »](#)



Multiple Streams of Internet Income

Wiley. Hardcover. Book Condition: New. Hardcover. 279 pages. Dimensions: 9.3in. x 6.2in. x 1.2in. Praise for MULTIPLE STREAMS OF INTERNET INCOME If ever the world needed some help to succeed on the Internet, this is the moment....

[Save Document »](#)

**Just So Stories**

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 114 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.The Just So Stories for Little Children were written by British author Rudyard

[Download Book »](#)

**The Mystery in Icy Antarctica The Frozen Continent Around the World in 80 Mysteries**

Gallopade International. Paperback. Book Condition: New. Paperback. 133 pages. Dimensions: 7.3in. x 5.2in. x 0.3in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download Book »](#)

**Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire**

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 52 pages. Dimensions: 9.0in. x 6.0in. x 0.1in.Still finding it getting your way around your Kindle Fire Wish you had

[Download Book »](#)

**At-Home Tutor Math, Prekindergarten**

Evan-Moor Educational Publishers. Paperback. Book Condition: New. Paperback. 96 pages. Dimensions: 10.6in. x 8.2in. x 0.2in.Developed by teachers, this curriculum-based series provides practice of important math and reading skills-ideal for providing additional practice at home.

[Download Book »](#)

**Dear Bats The Creepy Cave Caper Carole Marsh Mysteries**

Gallopade International. Paperback. Book Condition: New. Paperback. 115 pages. Dimensions: 7.3in. x 5.1in. x 0.5in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download Book »](#)