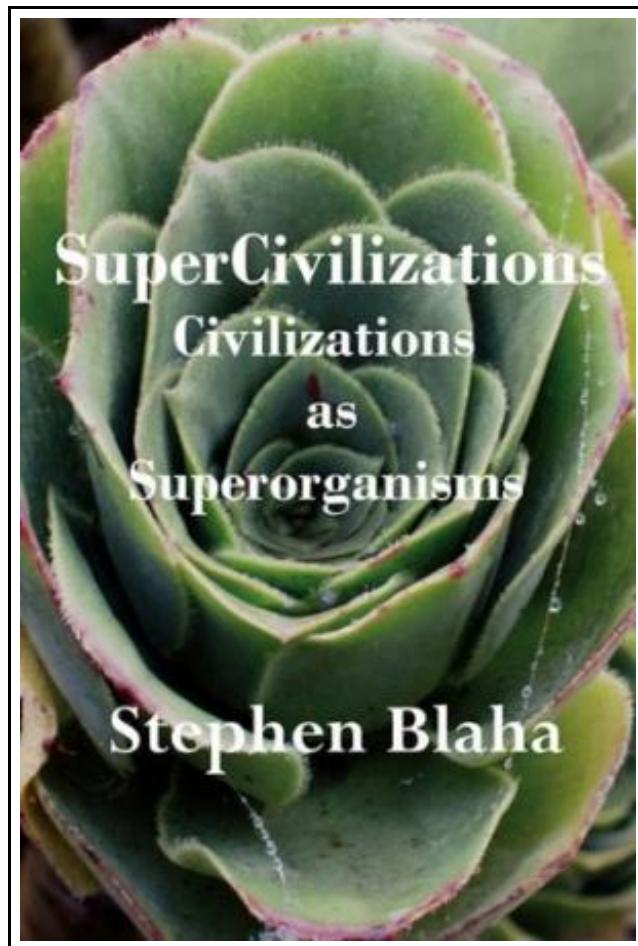


Supercivilizations: Civilizations as Superorganisms



Filesize: 3.24 MB

Reviews

The publication is not difficult in go through better to comprehend. I could comprehended everything using this created e publication. Its been designed in an exceptionally easy way in fact it is merely soon after i finished reading through this ebook by which basically transformed me, modify the way i really believe.

(Taylor Gleason)

SUPERCIVILIZATIONS: CIVILIZATIONS AS SUPERORGANISMS

[DOWNLOAD](#)

To read **Supercivilizations: Civilizations as Superorganisms** PDF, remember to click the button beneath and download the document or gain access to other 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](#)[Download ePUB Supercivilizations: Civilizations as Superorganisms](#)

Related Books

**[PDF] Letters to Grant Volume 2: Volume 2 Addresses a Kaleidoscope of Stories That Primarily, But Not Exclusively, Occurred in the United States. It de**

Follow the link beneath to read "Letters to Grant Volume 2: Volume 2 Addresses a Kaleidoscope of Stories That Primarily, But Not Exclusively, Occurred in the United States. It de" PDF document.

[Save ePub »](#)**[PDF] Salsa moonlight (care of children imaginative the mind picture book masterpiece. the United States won the Caldecott gold(Chinese Edition)**

Follow the link beneath to read "Salsa moonlight (care of children imaginative the mind picture book masterpiece. the United States won the Caldecott gold(Chinese Edition)" PDF document.

[Save ePub »](#)**[PDF] America s Longest War: The United States and Vietnam, 1950-1975**

Follow the link beneath to read "America s Longest War: The United States and Vietnam, 1950-1975" PDF document.

[Save ePub »](#)**[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Follow the link beneath to read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." PDF document.

[Save ePub »](#)**[PDF] Growing Up: From Baby to Adult High Beginning Book with Online Access**

Follow the link beneath to read "Growing Up: From Baby to Adult High Beginning Book with Online Access" PDF document.

[Save ePub »](#)**[PDF] Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback**

Follow the link beneath to read "Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback" PDF document.

[Save ePub »](#)



[PDF] Bedtime Bible Story Book: 365 Read-aloud Stories from the Bible

Click the web link under to download "Bedtime Bible Story Book: 365 Read-aloud Stories from the Bible" document.

[Download Book »](#)



[PDF] Born Fearless: From Kids' Home to SAS to Pirate Hunter - My Life as a Shadow Warrior

Click the web link under to download "Born Fearless: From Kids' Home to SAS to Pirate Hunter - My Life as a Shadow Warrior" document.

[Download Book »](#)



[PDF] The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds

Click the web link under to download "The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds" document.

[Download Book »](#)



[PDF] Johnny Goes to First Grade: Bedtime Stories Book for Children s Age 3-10. (Good Night Bedtime Children s Story Book Collection)

Click the web link under to download "Johnny Goes to First Grade: Bedtime Stories Book for Children s Age 3-10. (Good Night Bedtime Children s Story Book Collection)" document.

[Download Book »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Click the web link under to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" document.

[Download Book »](#)



[PDF] The Wolf Who Wanted to Change His Color My Little Picture Book

Click the web link under to download "The Wolf Who Wanted to Change His Color My Little Picture Book" document.

[Download Book »](#)