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Ontogeny and Phylogeny (1977), by Stephen Jay Gould

Published on The Embryo Project Encyclopedia (https://embryoasuedu) Ontogeny and Phylogeny (1977), by Stephen Jay Gould [1] By: Barnes, M Elizabeth Keywords: Developmental biology [2] Neoteny [3] Epigenesis [4] recapitulation [5] Preformationism [6] Cope's Law of Acceleration [7] Heterochrony [8] biogenetic law [9] Evo-Devo [10] Ontogeny and Phylogeny [12] is a book published ...

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Ontogeny And Phylogeny Stephen Jay Gould

Ontogeny and Phylogeny is a 1977 book on evolution by Stephen Jay Gould, in which the author explores the relationship between embryonic development and biological evolution Unlike his many popular books of essays, it was a technical book, and over the following decades it was

ALLOMETRY AND SIZE IN ONTOGENY AND PHYLOGENY

Biol Rev (1966), 41, pp 587-640 587 ALLOMETRY AND SIZE IN ONTOGENY AND PHYLOGENY BY STEPHEN JAY GOULD Department of Geology, Columbia University, New York (Received I 5 December I 965) CONTENTS I Introduction: the correlation of size and shape

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Gould, Stephen Jay Ontogeny and phylogeny Bibliography: p Includes index I Phylogeny 2 Ontogeny I Title 76-45765 57501 QH371G68 ISBN 0-674-63940-5 ONTOGENY AND PHYLOGENY Stephen Jay Gould HE BELKNAP PRESS OF HARVARD UNIVERSITY PRESS Cambridge, Massachusetts 1977 I

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4 ONTOGENY AND PHYLOGENY > Ontogeny and Phylogeny By Stephen Jay Gould Cambridge, Mass & London: Harvard University Press, 1977 Pp xvi + 501 ?1295 In bringing together a lengthy history of select concepts in embryology and a serious work in evolutionary biology, this work could easily have been a book

ONTOGENY AND PHYLOGENY by Stephen Jay

REVIEWS ONTOGENY AND PHYLOGENY by Stephen Jay Gould, 1977: Harvard University Press, Cambridge, Mass, ix + 501 p, illus, in-dex \$1850 An author who has the courage (or is it au-

Size and Shape in Ontogeny and Phylogeny

Size and shape in ontogeny and phylogeny Pere Alberch, Stephen Jay Gould, George F Oster, and David B Wake* Abstract -We present a quantitative method for describing how heterochronic changes in ontogeny relate to phyletic trends This is a step towards creating a unified view of developmental biology and evolu-

That Darwin and Haeckel were Complicit in Nazi Biology

Stephen Jay Gould, Ontogeny and Phylogeny (1977)1 No matter how crooked the road was from Darwin to Hitler, clearly Darwinism and eugenics smoothed the path for Nazi ideology, especially for the Nazi stress on expansion, war, racial struggle, and racial extermination Richard Weikart, From Darwin to ...

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history of analogies between ontogeny and the natural order, beginning with Empedokles and culminating in the col-lapse, around 1920, of Ernst Haeckel's "biogenetic" law, that ontogeny reca-pitulates phylogeny Gould tells this in-tricate storywellandcarefully, andman-ages to produce lucid, sympathetic ac-counts of early investigators who earn

Published on The Embryo Project Encyclopedia (https ...

Stephen Jay Gould (1941-2002) [1] By: Barnes, M Elizabeth Keywords: developmental constraints [2] In his 1977 book, Ontogeny and Phylogeny [6], Gould reconstructed a history of developmental biology and stressed the importance of development to evolutionary biology In a 1979 paper coauthored with

The Heritage of the Recapitulation Theory

Even Stephen Jay Gould himself, probably the most influential and articulate evolu-tionist spokesman of the current decade, has said, concerning the recapitulation theory: "(Both the theory and 'ladder approach' to classification which it encouraged are, or should be, defunct today)"15

How Development's Clock Guides Evolution

21 ment of Haeckel and the biological implications of his theories can be found in Ontogeny and Phylogeny, a book by Stephen Jay Gould of Harvard University Professor Gould, whose own research focusses on the evolution of snail species in Burma, uses a clock analogy to show how developmental alterations can account for evolution To illustrate this,

A CRITICAL EXAMINATION OF FREUD'S SCIENTIFIC PREMISE ...

becomes the bones in the human ear Even though Stephen Jay Gould finally put the theory that ontogeny recapitulates phylogeny to rest in his 1977 book, Ontogeny and Phylogeny, one can still hear its echoes These echoes are usually heard not in terms of biological development but in terms of social development and learned behavior

Participant's Guide aisin Gd idren in an nd Wrd

Ontogeny and Phylogeny, Stephen Jay Gould, Belknap-Harvard Press, 1977, p 127–128 "How special are human genes? Some of us think that we humans have a special place in the animal kingdom However, the human genome is similar to a chim-panzee's, and has a lot in common with the genome of a fruit fly" Sign at the London Natural History

Phylogeny, Psychology, and the Vicissitudes of Human ...

Phylogeny, Psychology, and the Vicissitudes of Human Development: The Anxiety of Atavism "ontogeny recapitulates phylogeny" Among psychologists and sociologists as well as so unquestionably taboo—that Stephen Jay Gould (1977) saw fit to open one of the first