





The main objective of our Yearbook is the creation of a unified interdisciplinary field of research, within which scientists specializing in different disciplines could work within the framework of unified or similar paradigms, using common terminology and searching for common rules, tendencies and regularities. Global evolution (in connection with the Big History) becomes the main subject of our Yearbook. We strive to arrange each issue in such a way that the line from cosmic evolution to the human future is evident. The title of this issue Evolutionary Aspects: Stars, Primates, and Religion is fully justified. The volume consists of three sections: 'Megaevolution and Cosmic Evolution'; 'Biosocial and Social Evolution'; 'Reviews and Notes'. This Yearbook will be useful both for those who study interdisciplinary macroproblems and for specialists working in focused directions, as well as for those who are interested in evolutionary issues of Cosmology, Biology, History, Anthropology, Economics and other areas of study. More than that, this edition will challenge and excite your vision of your own life and the new discoveries going on around us.

In 2006, rock legend and experienced amateur astronomer Brian May joined the legendary expert Sir Patrick Moore and astrophysicist Professor Chris Lintott to tell the story of the universe from the moment time and space came into existence at the Big Bang, through to the infinite future and the ultimate fate that awaits us. Following the spectacular success of the original book, Brian and Chris have got together again to extend and update the information in this accessible introduction to the history of the universe. Many of the pictures of the universe obtained by instruments such as the Hubble Space Telescope or the Very Large Telescope in Chile are beautiful enough to be considered works of art in their own right and this book presents them in context, and uses extraordinary new artworks to explain the mind-blowing theories from the cutting edge of astronomy in a way that everyone can understand. Fully revised and updated throughout, this new edition also contains an entire new chapter as well as more than 100 new photographs and illustrations.

Written for the nonspecialist, *The Big Bang* describes the greatest contemporary puzzles and achievements in astronomy, cosmology, and astrophysics, clearly recounting the history of the universe and examining current controversies from several points of view. The book concludes with self-contained appendix providing the basic mathematical framework for understanding modern cosmology.

"Since the dawn of humanity, men have attempted to divine the nature of the heavens. The first astronomers mapped the movement of the seasons and used the positions of the constellations for augurs and astrology. Today, the search goes ever deeper into the nature of reality and life itself. In this accessible overview, astrophysicist J.P. McEvoy tells the story of how our knowledge of the cosmos has developed. He puts in context many of the greatest discoveries of all time and many of the dominant personalities: Aristotle, Copernicus, and Isaac Newton, and as we approach the modern era, Einstein, Eddington, and Hawking."--Publisher description.

Our universe was born billions of years ago in a hot, violent explosion of elementary particles and radiation -- the big bang. What do we know about this ultimate moment of creation, and how do we know it? Drawing upon the latest theories and technology, *The Big Bang*, 3/e, is a sweeping, lucid account of the event that set the universe in motion. Award-winning astronomer and physicist Joseph Silk begins his story with the first microseconds of the big bang, on





accessible and original overview of the entire sweep of history from the origins of the universe and life on Earth up to the present day. Placing the relatively brief period of human history within a much broader framework – one that considers everything from vast galaxy clusters to the tiniest sub-atomic particles – big history is an innovative theoretical approach that opens up entirely new multidisciplinary research agendas. Noted historian Fred Spier reveals how a thorough examination of patterns of complexity can offer richer insights into what the future may have in store for humanity. The second edition includes new learning features, such as highlighted scientific concepts, an illustrative timeline and comprehensive glossary. By exploring the cumulative history from the Big Bang to the modern day, *Big History and the Future of Humanity, Second Edition*, sheds important historical light on where we have been – and offers a tantalizing glimpse of what lies ahead.

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Based on 30 years of research, Brian May's painstaking excavation of exquisite stereo photographs from the dawn of photography transports readers to the lost world of an Oxfordshire village of the 1850s. At the book's heart is a reproduction of T. R. Williams' 1856 series of stereo photographs, "Scenes In Our Village." Using the viewer supplied with this book, the reader can become absorbed in a village idyll of the early Victorian era: the subjects seem to be on the point of suddenly bursting back into life and continuing with their daily rounds. The book is also something of a detective story, as the village itself was only identified in 2003 as Hinton Waldrist in Oxfordshire, and the authors' research constantly reveals further clues about the society of those distant times, historic photographic techniques, and the life of the enigmatic Williams himself, who appears, Hitchcock-like, from time to time in his own photographs.

A captivating history of the universe -- from before the dawn of time through the far reaches of the distant future. Most historians study the smallest slivers of time, emphasizing specific dates, individuals, and documents. But what would it look like to study the whole of history, from the big bang through the present day -- and even into the remote future? How would looking at the full span of time change the way we perceive the universe, the earth, and our very existence? These were the questions David Christian set out to answer when he created the field of "Big History," the most exciting new approach to understanding where we have been, where we are, and where we are going. In *Origin Story*, Christian takes readers on a wild ride through the entire 13.8 billion years we've come to know as "history." By focusing on defining events (thresholds), major trends, and profound questions about our origins, Christian exposes the hidden threads that tie everything together -- from the creation of the planet to the advent of agriculture, nuclear war, and beyond. With stunning insights into the origin of the universe, the beginning of life, the emergence of humans, and what the future might bring, *Origin Story* boldly reframes our place in the cosmos.

Whether investigating a solution to global warming or explaining why the price of oral sex has fallen so drastically, Levitt and Dubner mix smart thinking and great storytelling to show how people respond to incentives.

Terms such as "expanding Universe", "big bang", and "initial singularity", are nowadays part of our common language. The idea that the Universe we observe today originated from an enormous explosion (big bang) is now well known and widely accepted, at all levels, in modern popular culture. But what happens to the

