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LOCK THEM UP FOREVER

BRUTE ORBITS

GEORGE ZEBROWSKI

Author of Cave of Stars



Brute Orbits

Marcos Donnelly, Robert J. Sawyer



Brute Orbits:

Brute Orbits George Zebrowski, 2014-04-01 Like his previous tales of technocratically engineered futures *Macrolife* *Stranger Suns* etc Zebrowski's latest evokes the pioneering SF of social philosopher Olaf Stapledon. In the 21st century Earth incarcerates its undesirables in mined out asteroids launched into new orbits for the duration of their sentences. This use of distance as a better prison wall is more than just an ingenious application of technology to the penal system; it's also a convenient trick for disposing of the socially misfit since orbits are accidentally miscalculated to prevent their return. The narrative follows the histories of several of these rocks as their prisoners fight, unite, and ultimately set out to create superior, self-contained cultures free of the taint of earthly ways. Individual asteroids house specific groups of offenders ranging from hardened convicts to sexual deviants, juvenile delinquents, and unwanted foreigners. Zebrowski argues his points with conviction. Publishers Weekly: A brilliant and dramatic philosophical reflection on the nature of society, technology, and humanity itself. Zebrowski is a deep thinker who writes about the big questions in the grand tradition of Wells, Stapledon, and Clarke. Jack M. Dann, award-winning author of *The Silent* and *The Memory Cathedral*. *High Crimes Call for High Punishment*. It is the twenty-first century. Convicts are sentenced to asteroids that move in ever-widening solar orbits, timed to return when their terms run out. But a few ambitious administrators discover that small errors in velocity can rid them of selected groups altogether: the hardcore violent, the mentally defective, and especially the political dissidents. Enduring the black void of interstellar space, time, these human rejects, men and women mixed together, create their own Darwinian societies struggling to survive. Back on Earth, a handful of sympathetic and curious scientists have not forgotten these lost citizens. When a technological breakthrough makes it possible to overtake these scattered asteroids, a courageous team sets out to go where none has willingly gone before. What they discover in these brute orbits is both provocative and moving: a startling vision of humanity you will never forget.

Brute Orbits George Zebrowski, 1999-01-01 It is the twenty-first century. Suffering from global warming and overpopulation, Earth is opening the solar system to industrialization. One of the largest growth industries, corrections, capitalizes on the opportunity of sending convicts to mine asteroids diverted into near-Earth orbits. Like the condemned digging their own graves, the convicts hollow out their own prisons as the mined-out shells become deep space cell blocks. Then an administrative genius realizes that the asteroid prisons can be inserted into solar orbits timed to return to near-Earth space when terms run out. This not only adds further security; it removes the problem of abuse by guards since they are no longer needed.

Paratexts James Gunn, 2013-04-18 In the mid-1980s Easton Press began publishing a series of leather-bound collector editions called *Masterpieces of Science Fiction* and *Masterpieces of Fantasy*, which featured some of the most important works in these genres. James Gunn was commissioned to write introductions to these works, which allowed him to pay tribute to many authors who inspired and influenced his own work. In *Paratexts: Introductions to Science Fiction and Fantasy*, Gunn has collected the most significant essays produced for the Easton series, along with

prefaces he wrote for reprints of his own novels Cited here are some of the most significant works of 19th and 20th century science fiction and fantasy such as *The Island of Dr Moreau* 1984 *Stranger in a Strange Land* *A Clockwork Orange* *Speaker for the Dead* *The Postman* *Do Androids Dream of Electric Sheep* *The Hitchhiker s Guide to the Universe* *The Dead Zone* *The Mists of Avalon* *Dragon s Eye* *Nine Princes in Amber* *Blue Mars* *The Last Unicorn* and *The Lord of the Rings* Drawing upon Gunn s lifetime of work in the field these introductions include analyses of the individual works and the fields in which they were written Gunn also briefly discusses each novel s significance in the science fiction canon Collected here for the first time these prefaces and introductions provide readers with insight into more than seventy novels making *Paratexts* a must read for science fiction and fantasy aficionados

Behind the Night George Zebrowski,2021-01-28 With the masterful poignance of a Clifford Simak George Zebrowski delivers a stirring and tension filled tale of the waning days of a plague broken USA where the last President must choose between a funeral pyre or a phoenix rebirth

[Fores's Sporting Notes and Sketches](#) ,1900

[In the Distance, and Ahead in Time](#) George Zebrowski,2015-05-19 The ten stories of this collection present glimpses of our near middle and far futures *Heathen God* the author s first Nebula Award finalist reveals the consequences of learning that our solar system may have been engineered by an alien race *In the Distance and Ahead in Time* and *Wayside World* depict the rediscovery of a ruined Earth s interstellar colonies by a new culture of mobile habitats *In Transfigured Night* and *Between the Winds* we enter two possible destinies as we tamper with human reality and humankind mutates into vastly different offshoots

Finding Unstable Periodic Orbits from Chaotic Time Series Michael Buhl,2004

Crime, Criminal Justice and Ethics in Outer Space Yarin Eski,Jack Lampkin,2024-12-12 Breaking new ground in criminology this book reflects on the expansion of outer space endeavours the new pathways this presents for crime challenges to Earth based conceptions of justice and the ethical issues raised This book is the first edited collection of chapters focused on how to prepare for address and respond to instances of criminal and harmful behaviour in and related to outer space It also considers what criminal justice might look like in outer space and how the important arena of ethics might play a pivotal role in helping overcome problems related to crime and crime control The book comprises 24 chapters from authors spanning six continents giving a truly international dimension to the first anthology relating to the intersection of space criminology space criminal justice and space ethics It is this international dimension that is essential to the development of a holistic understanding of crime criminal justice and ethics in outer space Exploring recent topics including the dark origin of space exploration expansion of satellite industries space tourism asteroid mining and human settlement on the Moon and Mars the book will appeal to space professionals and students and researchers working in criminology critical security studies law and ethics

[Skylife](#) Gregory Benford,George Zebrowski,2000 The border between science fiction and science fact is crossed in this collection of stories and essays by such renowned authors as Asimov Bradbury and Clarke 8 page color insert Line art

[Mythprint](#) ,1998

Nebula Awards Showcase 2005 Jack Dann,2005 In an annual tradition the

members of the Science Fiction and Fantasy Writers of America present the Nebula Awards to honour the authors of the year's most astounding fiction compelling stories that widen the boundaries of the genre Includes Eleanor Arnason Richard Bowes Jeffrey Ford Harlan Ellison Neil Gaiman Elizabeth Moon Robert Silverberg and James Van Pelt Theory of Orbits, the Restricted Problem of Three Bodies Victor G. Szebehely, 1967 Descripci n del editor Theory of Orbits The Restricted Problem of Three Bodies is a 10 chapter text that covers the significance of the restricted problem of three bodies in analytical dynamics celestial mechanics and space dynamics The introductory part looks into the use of three essentially different approaches to dynamics namely the qualitative the quantitative and the formalistic The opening chapters consider the formulation of equations of motion in inertial and in rotating coordinate systems as well as the reductions of the problem of three bodies and the corresponding streamline analogies These topics are followed by discussions on the regularization and writing of equations of motion in a singularity free systems the principal qualitative aspect of the restricted problem of the curves of zero velocity and the motion and nonlinear stability in the neighborhood of libration points This text further explores the principles of Hamiltonian dynamics and its application to the restricted problem in the extended phase space A chapter treats the problem of two bodies in a rotating coordinate system and treats periodic orbits in the restricted problem Another chapter focuses on the comparison of the lunar and interplanetary orbits in the Soviet and American literature The concluding chapter is devoted to modifications of the restricted problem such as the elliptic three dimensional and Hill's problem This book is an invaluable source for astronomers engineers and mathematicians Academic Press **A Cross of Centuries** Michael Bishop, 2007-05-08 A collection of stories about the Biblical Jesus and others by the writers Dostoyevsky Bradbury and Hemingway **The New York Review of Science Fiction**, 2000 Letters from the Flesh Marcos Donnelly, Robert J. Sawyer, 2004 Letters from the Flesh the second book by new SF novelist Marcos Donnelly sets a breathtaking pace tackling far reaching themes like evolution fundamentalism quantum realities and the very core of human nature The novel is a fictional collection of two sets of letters united by a single secret but separated by two thousand years the first century epistles of a non physical alien entrapped in the body of St Paul the Apostle accidentally triggering the birth of Christianity the emails of microbiologist Dr Lillian Oberland a young college adjunct writing to her cousin Michael a public school biology teacher facing the wrath of Creationist parents The letters reveal a relationship far deeper than passing coincidences and signal that cousin Michael's unexpected conversion to fundamentalism might have interspecies consequences that cross the millennia **Year Million** Damien Broderick, 2008 In fourteen original essays leading scientists and science writers cast their minds forward to 1 000 000 C E exploring an almost inconceivably distant future *Conqueror Fantastic* Pamela Sargent, 2004 This collection of 13 stories imagines what the world would be like if the destinies of its most powerful leaders had changed and with them the future Includes what if stories by such authors as Michelle West Ian Watson and James Morrow Original *100 Great American Novels You've (Probably) Never Read* Karl

Bridges,2007-09-30 From Elizabeth Stoddard s *The Morgesons* and Anzia Yzierska s *The Bread Givers* to Laurie Colwin s *Shine On Bright* and *Dangerous Object* and Chet Raymo s *The Dork of Cork* here are some of the forgotten gems of American literature Bridges has compiled a diverse list of 100 American novels published between 1797 and 1997 and worthy of the title great Although the idea is to bring light to the obscure these titles are physically accessible to readers either in print or represented in library collections and available through library loan *Across the Universe* Pamela Sargent,George Zebrowski,1999 When the Enterprise discovers a colony ship launched from Earth in the 22nd century at sublight speeds Captain Kirk decides to help the settlers on their way to their intended destination But their new planet holds threats only slightly less deadly than the menace they unintentionally have brought on board *Anatomy of Wonder* Neil Barron,2004-12-30 This classic work is an essential tool for collection development research reference and readers advisory work BOOK JACKET

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expedition nine years later represented here as newly married to an athenian girl who we are told elsewhere would not
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