Journey into the night sky

with Cambridge

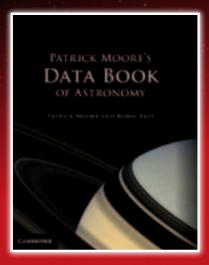
NEW

Patrick Moore's Data Book of Astronomy

Second edition

Patrick Moore

British Astronomical Association, London and Robin Rees Canopus Publishing Limited



Packed with up-to-date astronomical data about the Solar System, our Galaxy and the wider Universe, this is a one-stop reference for astronomers of all levels. With hundreds of data tables and a comprehensive star catalogue, it is destined to become the standard reference for everyone interested in astronomy.

'... will be an invaluable reference work for serious observers – but it is equally suitable for armchair browsers, and indeed for anyone who is curious about what lies beyond the Earth.'

Martin Rees, Professor of Cosmology and Astrophysics, University of Cambridge

2011 246 x 189 mm 586pp 35 b/w illus. 48 maps 270 tables 978-0-521-89935-2 Hardback £35.00

www.cambridge.org/9780521899352

Stargazing Basics

Getting Started in Recreational Astronomy

Paul F. Kinzer



All you need to know to get started in astronomy, from observing the night sky to purchasing binoculars and telescopes.

2008 247 x 174 mm 160pp 65 b/w illus. 978-0-521-72859-1 Paperback £13.99 eBook available

www.cambridge.org/9780521728591

BESTSELLER

Turn Left at Orion

A Hundred Night Sky Objects to See in a Small Telescope — and How to Find Them

Guy Consolmagno and Dan M. Davis



This fascinating guide provides all the information you need to observe the Moon, the planets and a whole host of celestial objects. Large format diagrams show these objects exactly as they appear in a small telescope and for each object there is

information on the current state of our astronomical knowledge. Unlike many guides to the night sky, this book is specifically written for observers using small telescopes. Clear and easy-to-use, this fascinating book will appeal to skywatchers of all ages and backgrounds.

2000 276 x 219 mm 224pp 279 b/w illus. 23 tables 978-0-521-78190-9 Hardback £23.99

eBook available

Observing the Night Sky with Binoculars

A Simple Guide to the Heavens

Stephen James O'Meara



Useful guide and reference for amateur astronomers exploring the night sky through handheld binoculars.

2008 297 x 210 mm 168pp 225 b/w illus.

978-0-521-72170-7 Paperback £20.99

www.cambridge.org/9780521721707

Exploring the Solar System with Binoculars

A Beginner's Guide to the Sun, Moon, and Planets



Stephen James O'Meara

Stephen James O'Meara shows readers how to observe our Solar System's wonders with ease and clarity, using nothing more than the unaided eye and inexpensive, handheld binoculars. This unique observing quide

for amateur astronomers covers lunar and solar eclipses, sunspots, the Moon's craters, the planets, meteors, comets, and more.

2010 297 x 210 mm 166pp 200 b/w illus. 978-0-521-74128-6 Paperback £19.99

www.cambridge.org/9780521741286

HIGHLIGHT

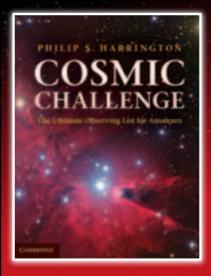
NEW

Cosmic Challenge

The Ultimate Observing List for Amateurs

Philip S. Harrington

Dowling College, New York



Listing over 500 sky targets, this guide will test novice astronomers and advanced veterans alike. Its unique mix of Solar System and deep-sky targets contains challenges suitable for the naked eye, binoculars, and backyard telescopes. Each target object has a difficulty rating, a realistic illustration, and a detailed finder chart.

'Phil Harrington is one of the rare individuals who knows the sky and can write about it in an engaging manner. Cosmic Challenge features nearly 200 celestial hunts that will challenge you no matter how many days or years you've logged looking through a telescope. In writing this book, Harrington has produced a work of enduring value, one that should be on every observer's shelf.'

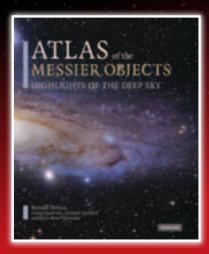
Michael E. Bakich Senior Editor, Astronomy magazine

2010 246 x 189 mm 488pp 333 b/w illus. 978-0-521-89936-9 Hardback £27.50

eBook available

Atlas of the Messier Objects Highlights of the Deep Sky

Ronald Stoyan, Stefan Binnewies and Susanne Friedrich Translated by Klaus-Peter Schroeder



This stunning atlas presents a complete account of each of the 110 Messier objects, with information on their history, astrophysical significance, and detailed observational descriptions. Illustrated with the finest color astrophotos, historical sketches and deep sky drawings — this is a must-have reference for observers of all ages and abilities!

'I received your book and must say that it is absolutely beautiful! You have created an amazing review of the Messier objects. Congratulations on a breathtaking publication!'

Phil Harrington, author of *Star Ware* and *Touring the Universe through Binoculars*

2008 310 x 245 mm 370pp 200 b/w illus. 180 colour illus. 50 tables 978-0-521-89554-5 Hardback £37.00

eBook available

www.cambridge.org/9780521895545

Deep-Sky Companions: The Secret Deep

Stephen James O'Meara



Stephen James O'Meara presents 109 new objects for stargazers to observe. Each object is accompanied by beautiful photographs and sketches, original finder charts, visual histories and up-to-date astrophysical information to enrich the observing experience.

Featuring many exceptional objects, this is an essential guide for any deep-sky observer.

2011 254 x 174 mm 400pp 435 b/w illus. 978-0-521-19876-9 Hardback c. £29.00 **Publication April 2011**

www.cambridge.org/9780521198769

BESTSELLER

Deep-Sky Companions: The Messier Objects

Stephen James O'Meara



The Messier Guide for the modern age. Exquisite and highly detailed drawings made from the darkest skies on Earth are combined with a thoroughly modern text in this ultimate field guide to the finest galaxies, clusters and nebulae.

1999 246 x 189 mm 318pp 330 b/w illus. 978-0-521-55332-2 Hardback £29.00

Deep-Sky Companions: Hidden Treasures

Stephen James O'Meara



This new and exciting observing guide spotlights an original selection of 109 deep-sky objects that will appeal to skywatchers worldwide. His 'hidden treasures' include a wonderful assortment of galaxies, open clusters, planetary nebulae and more, all of which have been

carefully chosen based on their popularity and ease of observing. All of the objects are visible in a 4-inch telescope under dark skies.

2007 254 x 174 mm 602pp 120 b/w illus. 110 maps 978-0-521-83704-0 Hardback £29.00

eBook available

www.cambridge.org/9780521837040

BESTSELLER

The Monthly Sky Guide

Fighth edition

Ian Ridpath
Illustrated by Wil Tirion



This classic beginner's guide to the night sky has been updated with planet positions and forthcoming eclipses, a guide to observing the Moon, comprehensive Moon maps with labelled features, and information on observing the four brightest planets: Venus, Mars, Jupiter and

Saturn. This eighth edition of lan Ridpath and Wil Tirion's famous guide will appeal to astronomers of all ages. The 50 clear and easy-to-use maps provide a simple introduction to the skies of the northern hemisphere. Most of the sights are visible to the naked eye, and all are within reach of binoculars or a small telescope.

2009 297 x 210 mm 72pp 978-0-521-13369-2 Paperback £10.99

www.cambridge.org/9780521133692

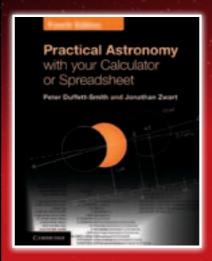
HIGHLIGHT

NEW EDITION

Practical Astronomy with your Calculator or Spreadsheet

Fourth edition

Peter Duffett-Smith University of Cambridge and Jonathan Zwart Columbia University, New York



Updated and extended, the fourth edition of this highly regarded book is ideal for those who wish to solve various practical and recreational problems in astronomy using a scientific calculator or spreadsheet. With clear, easy-to-follow instructions, shown alongside worked examples, this handbook can be enjoyed by anyone interested in astronomy.

2011 246 x 189 mm 304pp 110 b/w illus. 10 tables 978-0-521-14654-8 Paperback c. £24.99 **Publication April 2011**

NEW

Eye and Telescope v3.0

The Deep Sky Observing Planner

Software developed by Thomas Pfleger



This is the only software that can predict how an object will look through your telescope. It uses a comprehensive database to find suitable candidates for observing in a blink of an eye. Clearly labelled star maps can be easily rotated to match the view in your eye-piece.

'While it's true that sky map software is abundant in the US, *Eye and Telescope* offers something unique – an attempt at defining not only the visibility of the target, but its actual appearance to the end user through their telescope, and from their site. This is both a time and frustration saving utility, as well as one that allows an observer to locate objects at the edge of their resources.'

Tom Trusock, CloudyNights.com

2011 978-0-521-15115-3 DVD-ROM c. £45.00 **Publication April 2011**

www.cambridge.org/9780521151153

David Levy's Guide to Eclipses, Transits, and Occultations

David H. Levy



David Levy inspires readers to experience the wonder of eclipses for themselves in this simple guide for beginners to practised observers. It gives step-by-step instructions on how to observe and photograph eclipses, includes chapters on occultations and the

transits of Mercury and Venus, and tables of future eclipses.

2010 247 x 174 mm 184pp 55 b/w illus. 978-0-521-16551-8 Paperback £18.99

eBook available

www.cambridge.org/9780521165518

BESTSELLER

Digital SLR Astrophotography Michael A. Covington



In this concise guide, experienced astrophotography expert Michael Covington outlines the simple, enduring basics that will enable you to get started, and help you get the most from your equipment. He covers

a wide selection of equipment, simple and advanced projects, technical considerations and image processing techniques. This guide is ideal for astrophotographers who wish to develop their skills using DSLR cameras and as a friendly introduction to amateur astronomers or photographers curious about photographing the night sky.

2007 246 x 189 mm 234pp 140 b/w illus. 5 tables 978-0-521-70081-8 Paperback £24.99

eBook available

The Cambridge Atlas of Herschel Objects

James Mullaney
Illustrated by Wil Tirion



The first star atlas devoted to the Herschel objects, it displays over 2500 of the most visually-attractive star clusters, nebulae and galaxies. Spiral bound and printed in red-light friendly colors for use at a telescope, this is a must-have for stargazers

who want to explore these fascinating objects.

2011 303 x 228 mm 190pp 32 colour illus.

978-0-521-13817-8 Spiral bound £27.99

eBook available

www.cambridge.org/9780521138178

The Cambridge Double Star Atlas

James Mullaney Illustrated by Wil Tirion



This magnificent atlas contains the most attractive and interesting double and multiple stars for viewing with binoculars and telescopes. It is a must-have for stargazers who want to explore these fascinating

objects. It plots over 2000 selected pairs of stars, each labeled with discoverer, catalog, and/or observatory designations. A superb introduction to this important class of celestial objects, it provides an easy-to-use 'celestial roadmap' to locate and identify double and multiple stars.

2009 303 x 228 mm 154pp 978-0-521-49343-7 Spiral bound £28.99

eBook available

www.cambridge.org/9780521493437

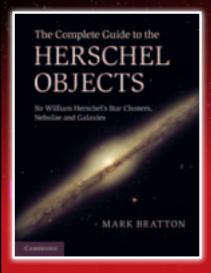
HIGHLIGHT

NEW

The Complete Guide to the Herschel Objects

Sir William Herschel's Star Clusters, Nebulae and Galaxies

Mark Bratton Webb Deep-Sky Society



Providing a complete re-examination of Herschel's entire catalogue, this is the most accurate and up-to-date reference of its kind. With object data for every one of Herschel's discoveries and hundreds of intriguing photos, this unique text is a must-have for amateur astronomers seeking new and exciting observing challenges.

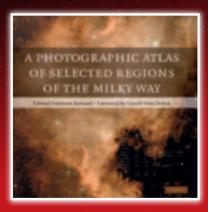
Contents: Introduction; 11. The telescope maker; 2. The deep sky before Herschel; 3. Surveyor of the skies; 4. The Herschel catalogue; General references; Index.

2011 246 x 189 mm 530pp 600 b/w illus. 978-0-521-76892-4 Hardback c. £45.00 **Publication July 2011**

NEW

A Photographic Atlas of Selected Regions of the Milky Way

Edward Emerson Barnard Yerkes Observatory, Wisconsin Foreword by Gerald Orin Dobek Northwestern Michigan College



Reproduced in print for the first time, this book combines both volumes of Barnard's *Photographic Atlas of Selected Regions of the Milky Way.* It directly replicates Barnard's text, with high resolution images of the original photographic plates, and a pull-out of the 50 plates combined in a panorama.

'One of the greatest astronomy books of all time is back - and it's better than the original... This is a must for every astrophysics department, every library, and every astronomer who loves the sky the romance of the subject, and its magnificent history.'

Dr Graeme White, James Cook University

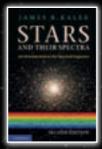
2011 270 x 270 mm 376pp 50 b/w illus. 978-0-521-19143-2 Hardback £75.00

www.cambridge.org/9780521191432

Stars and their Spectra

An Introduction to the Spectral Sequence

James B. Kaler



Revised and expanded, the second edition of this popular book provides a thorough introduction to stellar spectra. Each chapter explores a different star type, including new classes L and T. With modern digital spectra and updates from two decades of astronomical discoveries,

it is invaluable for amateur astronomers and students.

2011 247 x 174 mm 422pp 229 b/w illus. 18 tables 978-0-521-89954-3 Hardback c. £30.00 **Publication August 2011**

www.cambridge.org/9780521899543

Advancing Variable Star Astronomy

The Centennial History of the American Association of Variable Star Observers

Thomas R. Williams and Michael Saladyga



Marking the AAVSO's centennial year, this timely book presents an authoritative and accurate history of this important association. Moving chronologically through five eras of variable star astronomy, the authors discuss the evolution of the

AAVSO's structure and purpose, focusing on the thousands of individuals who have made its progress possible.

2011 246 x 189 mm 432pp 128 b/w illus. 978-0-521-51912-0 Hardback c. £60.00

Publication June 2011

The Cambridge Photographic Star Atlas

Axel Mellinger and Ronald Stoyan



Providing a mosaic of the entire sky, this unique atlas is unparalleled in detail and completeness, making it indispensable for visual observers and astrophotographers. Each double-page spread shows large-scale photographic images with corresponding charts

highlighting and naming over 1500 deep-sky objects and 2500 stars.

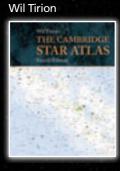
2011 176pp 164 colour illus. 978-1-107-01346-9 Hardback c. £30.00 **Publication June 2011**

www.cambridge.org/9781107013469

NEW EDITION

The Cambridge Star Atlas

Tourtif Cultion



This classic star atlas is ideal for both beginning astronomers and more experienced observers worldwide. As well as showing the stars, clusters and galaxies visible with binoculars or a small telescope, this fourth edition contains a new Moon map and

enhanced charts.

2011 303 x 228 mm 96pp 32 colour illus. 978-0-521-17363-6 Spiral bound £23.99

www.cambridge.org/9780521173636

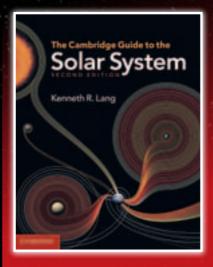
HIGHLIGHT

NEW EDITION

The Cambridge Guide to the Solar System

Second edition

Kenneth R. Lang Tufts University, Massachusetts



Richly illustrated with full-colour images, this second edition of a classic reference provides an up-to-date description of the planets, their moons, and recent exoplanet discoveries. Written at an introductory level appropriate for high-school and undergraduate students, it provides fresh insights that appeal to anyone with an interest in planetary science.

'Journeys deep into space have revealed dozens of distinctive worlds of unexpected diversity. Ken Lang presents a richly illustrated and remarkably thorough guide to the new view of the Solar System that has emerged, a view that beckons us on further journeys of discovery.'

Edward Stone, NASA Jet Propulsion Laboratory

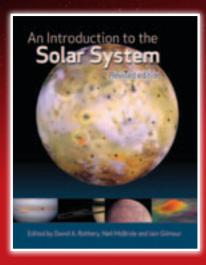
2011 276 x 219 mm 502pp 200 b/w illus. 225 colour illus. 62 tables

978-0-521-19857-8 Hardback £35.00

An Introduction to the Solar System

Second edition

Edited by David A. Rothery
The Open University, Milton Keynes
Neil McBride
The Open University, Milton Keynes
and lain Gilmour
The Open University, Milton Keynes



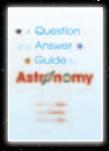
Presenting a fascinating description of the bodies in the Solar System and their origin and evolution, this new edition has been updated to reflect current knowledge and contains several new figures. There are questions and answers throughout the text, exercises with full solutions, and additional resources available online.

Contents: Introduction; 1. A tour of the solar system; 2. The internal structure of the terrestrial planets; 3. Planetary volcanism — Ultima Thule?; 4. Planetary surface processes; 5. Atmospheres of terrestrial planets; 6. The giant planets; 7. Minor bodies of the solar system; 8. The origin of the solar system; 9. Meteorites: a record of formation; Answers and comments; Appendices; Glossary; Further reading; Acknowledgements; Figure references; Index. 2011 263 x 210 mm 424pp 328 colour illus. 96 exercises 978-1-107-60092-8 Paperback £35.00

www.cambridge.org/9781107600928

A Question and Answer Guide to Astronomy

Pierre-Yves Bely Carol Christian and Jean-René Rov



Are we alone in the Universe? Was there anything before the Big Bang? Are there other universes? What are sunspots? What is a shooting star? Was there ever life on Mars? This book answers the fascinating questions that we have been

asking ourselves for hundreds of years. Using non-technical language, the authors summarise current astronomical knowledge, taking care to include the important underlying scientific principles. Plentiful colour illustrations, graphs and photographs lend further weight to their simple yet meticulously written explanations. An extensive bibliography allows you to pursue or recap on the subjects that rouse your particular interest. Dip in to discover and learn fascinating facts about our Solar System and the Universe beyond!

Contents: 1. Stars; 2. The Solar System; 3. The Earth; 4. The Moon; 5. Celestial phenomena; 6. The Universe; 7. Life in the Universe; 8. History of astronomy; 9. Telescopes; 10. Amateur astronomy; Bibliography; References; Index.,

2010 247 x 174 mm 294pp 66 b/w illus. 305 colour illus. 978-0-521-18066-5 Paperback £19.99

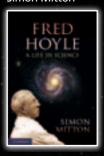
eBook available

NEW IN PAPERBACK

Fred Hoyle

A Life in Science

Simon Mitton



The scientific life of Fred Hoyle (1915—2001) was truly unparalleled. During his career he wrote groundbreaking scientific papers and caused bitter disputes in the scientific community with his revolutionary theories. Written from personal accounts and interviews

with his contemporaries, this book gives valuable insights into Fred Hoyle's unforgettable life.

2011 234 x 156 mm 384pp 22 b/w illus. 978-0-521-18947-7 Paperback £19.99

www.cambridge.org/9780521189477

The Dark Matter Problem

A Historical Perspective

Robert H. Sanders



Describing the development of dark matter theory, this book shows why it is now a central feature of extragalactic astronomy and cosmology. This fascinating overview will interest cosmologists, astronomers and particle physicists. Mathematics is kept to a minimum, so the

book can be understood by non-specialists.

2010 247 x 174 mm 214pp 71 b/w illus. 978-0-521-11301-4 Hardback £35.00

eBook available

www.cambridge.org/9780521113014

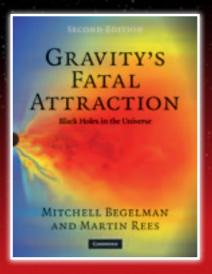
HIGHLIGHT

Gravity's Fatal Attraction

Black Holes in the Universe

Second edition

Mitchell Begelman and Martin Rees



Richly illustrated in colour, this book is suitable for introductory undergraduate courses, amateur astronomers, and all readers interested in astronomy and physics. It shows how black holes were discovered, and discusses current understanding of their role in cosmic evolution. This second edition covers new discoveries made in the past decade.

'Lavishly illustrated and written with clarity and enthusiasm, this is a spectacular guided tour of our weird and wonderful universe in the safe hands of two of the world's greatest astrophysicists.'

Dr. Simon Singh,

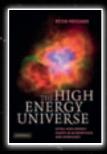
author of Big Bang: The Origins of the Universe

Contents: Introduction; 1. Gravity triumphant; 2. Stars and their fates; 3. Black holes in our backyard; 4. Galaxies and their nuclei; 5. Quasars and kin; 6. Jets; 7. Blasts from the past; 8. Black holes in hibernation; 9. Cosmic feedback; 10. Checking up on Einstein; 11. Through the horizon; Appendix: Gravity and cosmic dimensions Index.

2010 246 x 189 mm 312pp 978-0-521-71793-9 Paperback £19.99

The High Energy Universe Ultra-High Energy Events in Astrophysics and Cosmology

Péter Mészáros



Written in a concise and accessible language, this book provides an overview of high energy, particle and gravitational astrophysics. It will be suitable for undergraduate and graduate students, as well as other readers interested in the subject. Colour versions

of a selection of the figures are available at www.cambridge.org/9780521517003.

2010 247 x 174 mm 222pp 73 b/w illus. 4 tables 978-0-521-51700-3 Hardback £35.00

eBook available

www.cambridge.org/9780521517003

Exploring the X-ray Universe

Secona eaition

Frederick D. Seward and Philip A. Charles



Capturing the excitement and accomplishments of X-ray astronomy, this second edition now includes a broader range of astronomical phenomena and dramatic new results from the most powerful X-ray telescopes. Ideal

for undergraduate students, it is supported by over 300 figures, and more specialized technical points separated in boxes.

2010 246 x 189 mm 372pp 368 b/w illus. 43 colour illus. 978-0-521-88483-9 Hardback £40.00

eBook available

www.cambridge.org/9780521884839

The Scientific Exploration of Mars

Fredric W. Taylor



What do we know about Mars? What remains to be understood? Is there evidence of life there? Will humans ever travel there? The dream of exploring Mars has been around since the early days of human civilization and still

forms part of our vision of the future for the human race. Today, we send unmanned spacecraft to explore this neighbouring world to examine its climate, search for evidence of past or present life, and learn how conditions there relate to those on Earth. Plans are now being prepared for a manned mission to Mars, set against an uncertain background of political, practical, technical and financial considerations. This unique book provides a complete description of the past, present and future of Mars exploration. Written by a scientist intimately involved with missions to Mars, it provides a personal firsthand account. It will appeal to anyone interested in this fascinating planet.

Contents: Part I. Views of Mars, From the Beginning to the Present Day: 1. The dawn of Mars exploration; 2. The first space missions to Mars; 3. After Viking: the 20-year hiatus; 4. The modern era; Part II. The Big Science: Motivation to Continue the Quest: 5. The origin and evolution of planet Mars; 6. The changing climate of Mars; 7. The search for life; Part III. Plans and Visions for the Future: 8. The future of the unmanned programme; 9. Towards human expeditions; 10. The first footfall on Mars; Appendixes; Index.

2009 246 x 189 mm 362pp 128 b/w illus. 54 colour illus. 978-0-521-82956-4 Hardback £30.00

Pluto Sentinel of the Outer Solar System

Barrie W. Jones



Richly illustrated and up-to-date, this book is a timely account of Pluto for general readers, amateur astronomers and students wanting to know more about this intriguing celestial object. It also explores Pluto's satellites and the rich assortment of bodies that constitute the

Edgeworth-Kuiper Belt.

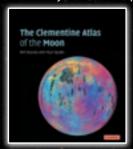
2010 228 x 152 mm 244pp 77 b/w illus. 9 colour illus. 978-0-521-19436-5 Hardback £25.00

www.cambridge.org/9780521194365

NEW IN PAPERBACK

The Clementine Atlas of the Moon

Ben Bussey and Paul D. Spudis



Based on data from the Clementine mission, this unique atlas contains 144 lunar astronautical charts covering the entire Moon. An indispensable reference for planetary and space scientists and

astronomers, it contains one of the most complete lunar nomenclature databases, and color plates showing the lunar composition.

2010 276 x 240 mm 380pp 288 b/w illus. 7 colour illus. 978-0-521-14101-7 Paperback c. £35.00

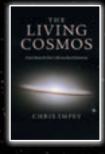
www.cambridge.org/9780521141017

NEW IN PAPERBACK

The Living Cosmos

Our Search for Life in the Universe

Chris Impey



Considering the development of life on Earth and the potential for life elsewhere in the Universe, this book is a fascinating insight into our place in the Universe. Accompanied by a website featuring articles on astrobiology, it is ideal for anyone wanting to know

more about life and the Universe.

2011 228 x 152 mm 393pp 129 b/w illus. 978-0-521-17384-1 Paperback c. £13.99

Publication May 2011

www.cambridge.org/9780521173841

Talking about Life

Conversations on Astrobiology

Edited by Chris Impey



Containing candid interviews with dozens of astronomers, geologists, biologists, and writers about the origin and range of terrestrial life and likely sites for life beyond Earth, this book will fascinate anyone who has ever wondered 'Are we alone?'

2010 247 x 174 mm 418pp 115 b/w illus. 978-0-521-51492-7 Hardback £19.99

eBook available

An Introduction to Astrobiology

Second edition

Edited by David A. Rothery
The Open University, Milton Keynes
lain Gilmour
The Open University, Milton Keynes
and Mark A. Sephton
Imperial College London



Providing an introduction to the origin of life, the habitable environments in our Solar System and the search for exoplanets, this new edition has been updated to take in the latest developments. There are questions and answers throughout the text, exercises with full solutions, and additional resources available online.

Contents: 1. Origin of life; 2. Habitable world; 3. Mars; 4. Icy bodies: Europa and elsewhere; 5. Titan; 6. The detection of exoplanets; 7. The nature of exoplanetary systems; 8. How to find life on exoplanets; 9. Extraterrestrial intelligence; Answers and comments; Appendices; Glossary; Further reading; Acknowledgements; Figure references; Index.

2011 263 x 210 mm 360pp 200 colour illus. 68 exercises 978-1-107-60093-5 Paperback £35.00

www.cambridge.org/9781107600935

Transiting Exoplanets

Carole A. Haswell



The methods used in the detection and characterisation of exoplanets are presented through the study of transiting systems in this unique textbook for advanced undergraduates. Key points and equations are highlighted, and worked

examples and exercises with full solutions help students to assess their understanding of concepts and results.

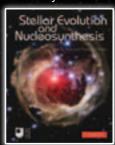
Contents: 1. Our solar system from afar; 2. Exoplanet discoveries by the transit method; 3. What the transit lightcurve tells us; 4. The transiting exoplanet population; 5. Transmission spectroscopy and Rossiter-McLaughlin effect; 6. Secondary eclipses and phase variations; 7. Transit timing variations and orbital dynamics; 8. Brave new worlds: the future; Index.

2010 263 x 210 mm 336pp 60 colour illus. 50 exercises 978-0-521-13938-0 Paperback £35.00

www.cambridge.org/9780521139380

Stellar Evolution and Nucleosynthesis

Sean G. Ryan and Andrew J. Norton



This self-contained astrophysics textbook for advanced undergraduates explores how stars form, what happens to them as they age, and what becomes of them when they die. It contains a wealth of worked examples, exercises with full

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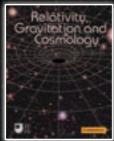
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HIGHLIGHT

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