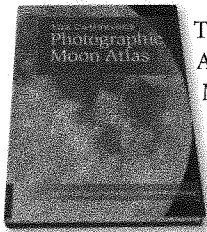


The Cambridge Photographic Moon Atlas

Alan Chu, Wolfgang Paech, Mario Weigand and Storm Dunlop
Cambridge University Press
£35 ● HB



The deaths last year of Neil Armstrong and Sir Patrick Moore make this 190-page visual feast devoted to our nearest celestial neighbour somewhat poignant. Former British Astronomical Association president Storm Dunlop delivers a sterling translation for this large-format, hardback English edition of a book that was originally published in German as *Fotografischer Mondatlas* by Oculum-Verlag in 2010.

The atlas starts with an introduction to the Moon's origins, evolution, physical make-up, observing and imaging techniques. It then segues into the main atlas of 68 Earth-facing lunar regions

(plus one section devoted to the far side), illustrated by 388 digital pictures obtained by the authors using 6- to 14-inch aperture telescopes, with additional imagery by Wolfgang Sorgenfrey and Michael Theusner. A glossary and a useful index of lunar features follows.

This valuable reference book will inspire you to observe and image the Moon, and much useful, practical advice is given. One can, for instance, determine the smallest features likely to be visible with any given instrument, before using section 18 to track down the three craterlets near the Apollo 11 landing site named in honour of Armstrong, Aldrin and Collins.

While this isn't a photographic atlas of the entire Earth-facing Moon – it shows the most interesting and carefully chosen regions in exquisite detail – it is a work that neatly complements Antonín Růkl's *Atlas of the Moon*, and is a book that avid lunar aficionados must own.

★★★★★

ADE ASHFORD *is an astronomy writer*

Reader price £31.99, subscriber price £29.99
P&P £1.99 Code: S0313/5

SPACE MANUALS

Lunar Rover Owners' Workshop Manual

Christopher Riley, David Woods and Phil Dolling ● Haynes ● £21.99 ● HB



Haynes returns to its roots, detailing the only wheeled vehicle driven by men on another world and the results are superlative.

Small wonder that Apollo 15's David Scott gives it such an enthusiastic introduction – this is the next best thing to taking one for a spin, with full details of the rover's engineering and operation, including a chapter on how to unfold it from the Lunar Module and a guide to performing a 180° skid. A must-have for any Apollo buff.

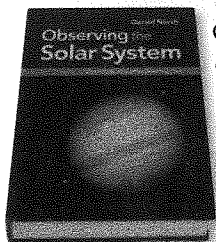
★★★★★

SEAN BLAIR

Reader price £19.99, subscriber price £18.99
P&P £1.99 Code: S0313/1

Observing the Solar System

Gerald North
Cambridge University Press
£30 ● HB



Gerald North is a well-established and very experienced astronomer who has published many books over the years on practical observing. He puts all that knowledge to good use in *Observing*

the Solar System, but don't expect a slim, lightweight tome! With 490 pages, this hardback delves deep into its subject matter with great thoroughness.

Three of the 12 chapters address the hardware required for observing and imaging the night sky, covering topics such as telescopes, how to image with CCDs, DSLRs and webcams, and how to use software to stack images. With the inclusion of these topics, the book is as up to date as it can be considering how

The rest of the chapters cover the Solar System in detail and are aimed at traditional astronomers and astro imagers. Some planets are placed together, while Mars and Jupiter, the Sun, the minor planets and comets each get their own chapters. Along with these there is a useful set of appendices covering telescope collimation, testing optics and polar alignment of a telescope's mount.

There are lots of ideas for projects that could keep you occupied for days, months or even years as you follow the Solar System in motion. We felt the level of detail regarding equipment was unnecessarily deep, and were surprised to see noctilucent clouds given just one paragraph, while the aurora section covers several pages. But minor quibbles aside, this is an excellent book you can either dip into or immerse yourself in, as the mood takes you.

★★★★★

PAUL MONEY *is Sky at Night Magazine's Reviews Editor*

Reader price £27.99, subscriber price £24.99
P&P £1.99 Code: S0313/2

International Space Station Owners' Workshop Manual

David Baker ● Haynes ● £21.99 ● HB



The ISS is a set of pressurised cylinders enclosing a tonne of air, fixed to a forest of solar panels and weighing in at 450 tonnes. *Spaceflight* editor David Baker chronicles its construction launch-by-launch, but the snag is the reader never gets an overview of today's complete ISS. For instance, the US Destiny module is described as a research module, but its role has since evolved to provide life support to the ISS crew. Buy this for the history, but visit spacestationlive.nasa.gov to learn how the ISS operates today.

★★★★★

SEAN BLAIR

Reader price £19.99, subscriber price £18.99
P&P £1.99 Code: S0313/2