



PETER DUFFETT-SMITH

Astronomy with your Personal Computer

SECOND EDITION

Astronomy With Your Personal Computer

IM Harris



Astronomy With Your Personal Computer:

Astronomy with your Personal Computer Peter Duffett-Smith, 1990-06-29 The first edition of this very successful book was a winner of the Astronomical Society of the Pacific's Astronomy Book of the Year award in 1986 The popularity of the book's programs is based on the ease with which the amateur astronomer can perform calculations on a personal computer The routines are not specific to any make of computer and are user oriented in that they utilize a simple version of the BASIC programming language and require only a broad understanding of any particular problem Seven new subroutines in this new edition can be linked in any combination with the existing twenty six Since the programs themselves take care of details they can be used for example to calculate the time of rising of any of the planets in any part of the world at any time in the future or past or they may be used to find the circumference of the next solar eclipse visible from a particular place In fact almost every problem likely to be encountered by the amateur astronomer can be solved by a suitable combination of the routines given in this book Peter Duffett Smith is the author of another popular astronomy book *Astronomy with Your Calculator* 3rd Edition also published by Cambridge University Press

The Cambridge Guide to Astronomical Discovery William Liller, 1992-10-30 Excellent introduction to finding previously unknown comets asteroids novae and supernovae

Astronomy For Dummies Stephen P. Maran, 2017-08-15 Your updated guide to exploring the night sky Do you know the difference between a red giant and a white dwarf From asteroids to black holes this easy to understand guide takes you on a grand tour of the universe Featuring updated star maps charts and an insert with gorgeous full color photographs *Astronomy For Dummies* provides an easy to follow introduction to exploring the night sky Plus this new edition also comes with chapter quizzes online to help your understanding For as long as people have been walking the earth those people have looked up into the night sky and wondered about the nature of the cosmos Without the benefit of science to provide answers they relied on myth and superstition to help them make sense of what they saw Lucky for us we live at a time when regular folks equipped with nothing more than their naked eyes can look up into the night sky and gain admittance to infinite wonders If you know what to look for you can make out planets stars galaxies and even galactic clusters comprising hundreds of millions of stars and spanning millions of light years Whether you're an amateur astronomer space enthusiast or enrolled in a first year astronomy course *Astronomy For Dummies* gives you a reason to look into the heavens Includes updated schedules of coming eclipses of the Sun and Moon and a revised planetary appendix Covers recent discoveries in space such as water on the Moon and Pluto's demotion from planet status Collects new websites lists of telescope motels sky watching guides and suggestions for beginner's telescopes and suppliers Provides free online access to chapter quizzes to help you understand the content Ever wonder what's out there in the big ol' universe This is the book for you

A Wealth of Numbers Benjamin Wardhaugh, 2012-04-29 An entertaining and informative anthology of popular math writing from the Renaissance to cyberspace Despite what we may sometimes imagine popular mathematics writing didn't begin with Martin Gardner In fact it

has a rich tradition stretching back hundreds of years This entertaining and enlightening anthology the first of its kind gathers nearly one hundred fascinating selections from the past 500 years of popular math writing bringing to life a little known side of math history Ranging from the late fifteenth to the late twentieth century and drawing from books newspapers magazines and websites A Wealth of Numbers includes recreational classroom and work mathematics mathematical histories and biographies accounts of higher mathematics explanations of mathematical instruments discussions of how math should be taught and learned reflections on the place of math in the world and math in fiction and humor Featuring many tricks games problems and puzzles as well as much history and trivia the selections include a sixteenth century guide to making a horizontal sundial Newton for the Ladies 1739 Leonhard Euler on the idea of velocity 1760 Mathematical Toys 1785 a poetic version of the rule of three 1792 Lotteries and Mountebanks 1801 Lewis Carroll on the game of logic 1887 Maps and Mazes 1892 Einstein's Real Achievement 1921 Riddles in Mathematics 1945 New Math for Parents 1966 and PC Astronomy 1997 Organized by thematic chapters each selection is placed in context by a brief introduction A unique window into the hidden history of popular mathematics A Wealth of Numbers will provide many hours of fun and learning to anyone who loves popular mathematics and science

Astronomy on the Personal Computer Oliver Montenbruck, Thomas Pfleger, 2014-03-12 A thorough introduction to the computation of celestial mechanics covering everything from astronomical and computational theory to the construction of rapid and accurate applications programs The book supplies the necessary knowledge and software solutions for determining and predicting positions of the Sun Moon planets minor planets and comets solar eclipses stellar occultations by the Moon phases of the Moon and much more This completely revised edition takes advantage of C and individual applications may be efficiently realized through the use of a powerful module library The accompanying CD ROM contains the complete fully documented and commented source codes as well as executable programs for Windows 98 2000 XP and LINUX

Software for Aerospace Education Gregory Vogt, 1989 Monthly Notes of the Astronomical Society of Southern Africa Astronomical Society of Southern Africa, 1994 Celestial BASIC Eric Burgess, 1982 Offers Programs That Facilitate Rapid Astronomical Calculations Which are Written in a Common Subset of BASIC Run on the Apple *1001 Things to Do with Your IBM PC* Mark Sawusch, Tan A. Summers, 1984 Contains Applications for Home Business Educational Uses as Well as Games Includes Programs Printouts Flowcharts Diagrams Illustrations The Planetarian, 1986

Bowker's Complete Sourcebook of Personal Computing, 1985 R.R. Bowker Company, 1984 Provides Listings of Hardware Software Peripherals Currently Available as Well as Books Magazines Clubs User Groups Virtually All Other Microcomputer related Services Includes Background Information Glossary *Mercury*, 2001 Mathematics and Computer Education, 1987 New Scientist, 1990 **A Field Guide to the Stars and Planets** Jay M. Pasachoff, 1998 A field guide to the stars and planets Field Guide to the Stars and Planets Jay M. Pasachoff, 1992 Provides information about stars and planets including star maps **Bowker/Bantam ... Complete Sourcebook of Personal Computing**, 1984 **Popular Science**

,1997-06 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better

Exploring Ancient Skies David H. Kelley,Eugene F. Milone,2005-12-06 Exploring Ancient Skies brings together the methods of archaeology and the insights of modern astronomy to explore the science of astronomy as it was practiced in various cultures prior to the invention of the telescope The book reviews an enormous and growing body of literature on the cultures of the ancient Mediterranean the Far East and the New World particularly Mesoamerica putting the ancient astronomical materials into their archaeological and cultural contexts The authors begin with an overview of the field and proceed to essential aspects of naked eye astronomy followed by an examination of specific cultures The book concludes by taking into account the purposes of ancient astronomy astrology navigation calendar regulation and not least the understanding of our place and role in the universe Skies are recreated to display critical events as they would have appeared to ancient observers events such as the supernova of 1054 the lion horoscope or the Star of Bethlehem Exploring Ancient Skies provides a comprehensive overview of the relationships between astronomy and other areas of human investigation It will be useful as a reference for scholars and students in both astronomy and archaeology and will be of compelling interest to readers who seek a broad understanding of our collective intellectual history

The Strolling Astronomer ,1991

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