

SJAC Library of Books & DVDs

A Complete Manual of Amateur Astronomy – How to get started in astronomy. Choosing, set up & maintenance of a telescope, observing meteors, comets, Sun, Moon, planets, variable stars etc., photometry, spectroscopy; includes photos, diagrams, sketches & glossary. P. Clay Sherrod; Prentice Hall Pub.; 1981; ISBN: 0-13-162107-6

Amateur Astronomer's Handbook, The – A book on choosing a telescope, mounting, maintenance, observatories, the atmosphere, astrophotography, planets, Moon, stars, comets, comet hunting, techniques for observing, etc.. James Muirden; Harper & Row; 1983; ISBN: 0-06-181622-1

Pocket Guide to the Stars & Planets – A summary style of explanations of many objects in our Solar System & the wider Universe with photos; Duncan John; Parragon, 2009; ISBN: 978-1-4075-7900-9

Astronomy-A Visual Guide – A book full of beautiful photos, facts, detailed explanations on astronomy, telescopes, space probes, Solar System, Universe, star charts, etc.. Mark A. Garlick; Firefly; 2004; ISBN: 1-55297-958-X

Atlas of Deep Sky Splendors – Over 400 photos of galaxies, star clusters, nebulae, & Messier objects, including coordinates & brief descriptions of each. Hans Vehrenburg; Sky Pub.; 1983; ISBN: 0-933346-03-4

Backyard Astronomer's Guide, The – 3rd edition; An astronomer's "bible" written by 2 RASC members – Terrance Dickinson & Allen Dyer – it is a wonderful reference for everything astronomy – how to start out, equipment, tips for observing,, exploring the sky, photography, etc.. Terrance Dickinson & Allen Dyer; Firefly; 2012; ISBN: 13-978-1-55407-344-3

Binocular Astronomy – 2nd edition; Part of the "Practical Astronomy" series compiled by Patrick Moore, this book has it all for binocular observing. It covers the optics & mechanics of binoculars, why observe with binos, how, when, buying, care, maintenance & use of small to giant (300 mm) binoculars. It also includes observing tips & a long list of deep sky objects for binoculars. Steven Tonkin, Springer Pub.; 2014; ISBN: 978-1-4614-7466-1

Burnham's Celestial Handbook-An Observer's Guide to the Universe Beyond the Solar System, Vol. 1 – The 1st volume of 3 covers celestial objects outside our Solar System. The objects are grouped according to the constellations in which they are found. Each constellation is divided into subject sections: double & multiple stars, variable stars, list of star clusters, nebulae & galaxies, unusual appearances & other objects each with descriptive notes & a bit of history. Over 300 photos. This volume

covers from Andromeda to Cetus. Robert Burnham Jr.; Dover Pub.; 1978; ISBN: 0-486-23567-X

Burnham's Celestial Handbook-An Observer's Guide to the Universe Beyond the Solar System, Vol. 2 - This book covers celestial objects outside our Solar System. The objects are grouped according to the constellations in which they are found. Each constellation is divided into subject sections: double & multiple stars, variable stars, list of star clusters, nebulae & galaxies, unusual appearances & other objects each with descriptive notes & a bit of history. This volume covers Chamaelon to Orion. Over 300 photos. Robert Burnham Jr.; Dover Pub.; 1978; ISBN: 0-486-23568-8

Burnham's Celestial Handbook-An Observer's Guide to the Universe Beyond the Solar System, Vol. 3 - This book covers celestial objects outside our Solar System. The objects are grouped according to the constellations in which they are found. Each constellation is divided into subject sections: double & multiple stars, variable stars, list of star clusters, nebulae & galaxies, unusual appearances & other objects each with descriptive notes & a bit of history. This volume covers Pavo to Vulpecula. Over 300 photos. Robert Burnham Jr.; Dover Pub.; 1978; ISBN: 0-486-23673-0

Building a Small Observatory-Lessons from Builders – How to build an observatory with advice from numerous RASC members with experience in building their own. Charles Ennis; Webcom Inc.; 2016; ISBN: 978-1-927879-08-5

Canada in Space – A look at our National manned space program – the astronauts, the Canadarm, Canadian involvement with the space shuttle & ISS, research, etc.. An interesting history. Lydia Dotto; Irwin Pub.; 1987; ISBN: 0-7725-1559-X

Celestial Objects for Common Telescopes, Vol. 1 – Vol. 1 of 2, this is deals with the Solar System, telescopes, spectroscope, celestial photography and objects in our Solar System-planets, Moon, comets & meteors. R.W.T. Webb; Dover Pub.; 1962; ISBN: 0-486-20918-0

Celestial Objects for Common Telescopes, Vol. 2 – This volume details the descriptions of constellations & their stars. R.W.T. Webb; Dover Pub.; 1962; ISBN: 0-486-20918-0

Colours of the Galaxies – Describes galaxies, their spectra, how colour is related to objets in astronomy, how colours of objects can be seen & photographed & how their colour can enhance our understanding of astronomy. David Malin & Paul Murden; Cambridge University Press, 1984; ISBN: 1-85648-126-3

Comets: Creators & Destroyers – One of David Levy's many books – this describes the life of comets: from where they come, evolution, characteristics, comets through history, impacts, craters, their impact on Earth & humankind. David Levy; Touchstone Pub.; 1998; 0-684-85255-1

David Levy's Guide to Observing & Discovering Comets – One of the most successful comet hunters in history, David Levy describes techniques & gives tips for discovering, observing, sketching & photographing comets, as well as providing the history of comet hunting. David Levy; Cambridge Press, Mass.; 2003; ISBN: 0-521-520517

Deep Sky Field Guide to Uranometria 2000.0, The –This book is a data list of non-stellar deep sky objects: galaxies, globular & open clusters, bright, dark & planetary nebulae. There is an introduction with a brief explanation of each of these objects, as well as references. The rest is a list of these objects with basic numerical data: name, RA, declination, magnitude, dimensions, etc.. - Murray Cragin, James Lucyk & Barry Rappaport; 1993; ISBN: 0-943396-38-7

Deep Sky Objects-A Photographic Guide for the Amateur – Map & images of many deep sky & Messier objects: star clusters, galaxies, nebulae & how to locate them. Includes a complete Messier atlas. Jack Newton; Gall Publications; 1977; ISBN: 0-88904-081-8

Deep Sky Observer's Handbook, Webb Society, Vol. 1 – This book is focused on double & multiple stars. It describes observing & recording methods, measurements, coordinates, photography of double stars. Ed. Kenneth Glyn Jones; Enslow Publishing, 1979; ISBN: 0-89490-027-7

Exploring the Sky by Day – All the objects & things that can be seen in the daytime sky: rainbows, clouds, lightening, sky colour, halos & much more. Terrance Dickinson; Firefly Books, 1998; ISBN: 0-920656-71-4

Field Guide to the Stars & Planets – A lovely little book. Charts of star fields- labelled & unlabelled, brief chapters on the Moon, the Sun, planets & other objects in the Solar System, with labels, descriptions, glossary, information on how to use a telescope & more. Donald Menzel; Houghton Mifflin Company; 1964; Lib. Of Congress Cat. No.: 63-7017

Final Frontier-Voyages into Outer Space – brief stories describing the history of space technology, breakthroughs in astronomy, space exploration, etc.. David Owen; Firefly; 2004; ISBN: 1-55297-775-7

How to Use an Astronomical Telescope – Information on how to choose, buy, use, assemble, orient & maintain a telescope, as well as tips on how to observe various objects. The last chapter includes 10 specially selected regions of space featuring significant examples of double stars, galaxies, nebulae & other objects. James Muirden; Fireside; 1985; 0-671-66404-2

Hubble-Imaging Space & Time – Celebrating the HST, this book contains 200 beautiful colour images taken by the HST over a 15 year span; includes the story of

Hubble & miscellaneous astronomy facts. David Dvorkin & Robert W. Smith; Nat. Geo.; 2008; ISBN: 978-1-4262-0322-0

Mars-Uncovering the Secrets of the Red Planet – The story of mankind’s interest in Mars, the history of our Mars explorations & future discoveries; includes 125 photos. Paul Raeburn; Nat. Geo.; 1998; ISBN: 0-7922-7373-7

Mary Lou’s New Telescope – Written by Don Kelly, a RASC N.B. member from Oromocto, as a 2009 IYA (International Year of Astronomy) project, the book is about a young girl who encounters a common problem while trying to observe with her new telescope. Dn Kelly; 2009

Messier Album, The – Messier & his own personal catalogue as well as the Messier catalogue we know today, with hints for Messier observing. John Mallas & Evered Kreimer; Sky Pub.; 1987; ISBN: 0-933346-04-02

Moon Observer’s Guide – All things lunar - observing the Moon, choosing the right equipment, imaging the Moon & includes lunar maps. Peter Grego; Firefly; 2004; ISBN: 1-55297-888-5

Nightwatch – By Terrance Dickinson, a RASC member & Sky News magazine editor, this is an astronomer’s bible – a “stellar” guide to the cosmos & how to observe & understand it. Includes, diagrams, photos, facts, explanations, Q&A. Every beginner should have or read this. (4th edition - 2018-2025)

Observational Astronomy for Amateurs – This book tells how to locate planets with notes & characteristics of each, lunar & solar observing, has general notes on meteors, comets, aurorae, binary stars, nebulae, etc.. J.B. Sidgwick; Enslow Publisher; 1982; ISBN: 0-89490-068-4

Observing Visual Double Stars – Everything you wanted to know about double star observing & didn’t know enough to ask. Paul Couteau; MIT Press, Cambridge, Mass.; 1982; ISBN: 0-262-03077-2

Pocket Sky Atlas – Detailed atlas/maps of stars & deep sky objects. Roger W. Sinnott; Sky Pub.; 2006; ISBN: 1-931559-31-7

Postcards from the Edge of the Universe – An anthology on cutting edge astronomy around the world, 24 astronomers from all corners of the globe explain their science & research projects on subjects like exoplanets, star formation, black holes, etc.. This too, was an IYA project. Ed Lee Pullin; ESO; 2010; ISBN: 978-3-923524-64-8

Principles of Astronomy – An older book, but much information is still relevant, this provides detailed explanation on planets, stars, Sun, asteroids, etc.. It is a textbook on astronomy. Stanley Wyatt; Allyn & Bacon Inc.; 1975; ISBN: 0-205-03116-1

Relativity & Cosmology – A variety of topics & deep sky objects are covered in this book- wormholes, gravitational waves, the shape, fate & creation of the Universe & much more. William J. Kaufmann; The Maple Press Co., 1977; ISBN: 0-06-043572-0

Saturn-Exploring the Mystery of the Ringed Planet – This book includes the latest discoveries of Saturn & its moons; beautiful images from NASA; the Cassini mission is covered, with up-to-date information on its findings & the latest theories. Nichol Mortillaro; Firefly; 2010; ISBN: 13:978-1-55407-649-9

Scientific American Journal-The Universe of Galaxies – Articles from Scientific American on the basic facts on the structure & evolution of galaxies, galaxy superclusters, voids, quasars, cosmic jets., etc.. (magazine - 1994)

Simple Astronomy – Basic information offered in simple, easily understood terms, assuming no previous knowledge on the part of the reader. Topics include: stars, planets, Milky Way, Universe, equipment, Solar System, etc.. Although old, there is still valuable basic information to be gleaned from this book. Iain Nicolson; Charles Scribner's Sons; 1973; ISBN: 0-684-13640-6

Sky – A Users Guide, The – A book full of lots of information on a variety of astronomical topics, with practical, easy to understand advice & explanations. David Levy; Cambridge University Press; 1999; ISBN: 0-521-45958-3

Sky Atlas 2000.0 – Beautifully coloured star charts. W. Tirion; Sky Lab Corp., 1981,; ISBN: 0-933346-33-6

Skywatcher's Handbook, The – A book on a variety of topics: how to identify & classify stars, galaxies & constellations, understanding cloud formations, interpreting weather maps, equipment & techniques for observing, Sun, eclipses, sunspots, etc.. Collin A. Ronan; Crown Pub.; 1985; ISBN: 0-517-55703-7

Sky Watching - Encyclopedia of Discovery – A glossary of information on various celestial phenomena & objects, info on telescopes, star brightness, constellations, galaxies, etc., includes star charts. Ed.- Robert Burnham & Dr. John O'Byrne; Fog City Press, 2007; ISBN: 13:978-1-87701-989-0

Space Telescope, The – A history of the development of space telescopes – the “greatest improvement in optical astronomy since Galileo”. David Ghitelman; Michael Friedman Pub.; 1987; ISBN: 0-999939-4-1

Traveller's Guide to the Solar System, The – This is a tourist book for a trip that is out of this world – through our Solar System. It reads like a tourist guide, giving facts, basic & detailed information for all your stops along the way – weather, points of interest for each – lots of great information. Giles Sparrow; Harper Collins Pub., 2007; ISBN: 10: 0-06-119829-3

Universe, from Ancient Babylon to the Big Bang, The – A history of the Universe – 4000 years of astronomy – all the players, epic events & turning points that have brought us to where we are today. J.P. McEvoy; Running Press; 2010; ISBN: 978-0-7624-3622-4

You Are Here – Photos from the ISS – Photos taken by Chris Hadfield from space. Using his expertise in geology, geography & meteorology, Hadfield takes you on a planetary tour, explaining the images & why certain sites look as they do. It incorporates history, consequences of human settlement & the power of natural forces that impact our planet. Chris Hadfield; Random House; 2014; ISBN: 978-0-345-81494-4

Wonders of the Universe – An interesting book of the story & the “laws” of the Universe – birth, evolution, history of the Universe, light, gravity, gravity, destiny of stars, Earth’s Moon, etc..; Brian Cox; Harper Collins Pub., 2011; ISBN: 978-0-06-211054-1