



Kalamazoo Astronomical Society

Library

One of the many advantages of being a member of the KAS is access to its library. The book, CD-ROM, and DVD collection is kept on a cart at the Kalamazoo Area Math & Science Center. Items from the library are available for check out at most general meetings. All you need is your current membership card.

To borrow a book, write the date, your name and phone number on the back of the card in the space provided. Place the card in the black card box. Normally the book will be due at the next meeting. To renew just resign and date the card. Return the books to the “Return Books Here” area on the cart.

We also have periodicals. Our extensive collection of *Astronomy* and *Sky & Telescope* magazines is now kept at a separate storage facility due to space and weight issues. If you would like a specific issue or issues please contact the librarian (details below) *at least 24* hours before the next general meeting. To check out a magazine, write the date, name, phone and magazine name and date on the *Magazine Check out Sheet* on the cart.

We welcome additions, especially newer books on any aspect of astronomy, space science, or space exploration. Our magazine holdings are listed below. We would like to fill the gaps but don't want duplicates. If you really need them out of your house we suggest senior centers or senior housing, many of which have reading rooms/libraries. Who knows, maybe a KAS member would want to add them to their collection.

Comments and suggestions are *always* welcome.

For more information or to reserve a library items, please contact:

Karen Woodworth, KAS Librarian
woodworthkaren@sbcglobal.net



List of Holdings as of July 4, 2018

- **Books:**
 - Amateur Astronomy
 - Astrophysics
 - General
 - Historical
 - Solar System
 - Textbooks
- **CD-ROM**
- **DVD**
- **Educational Resources**
- **Miscellaneous**
- **Periodicals:**
 - Astronomy
 - ATM Journal
 - The Observer's Guide
 - Sky & Telescope
 - Telescope Making

Books

Amateur Astronomy

Amateur Astronomer's Handbook

by James Muirden

Amateur Astronomy

by Patrick Moore (1968)

Astronomy Hacks: Tips and Tools for Observing the Night Sky

by Robert B. Thompson & Barbara F. Thompson (2005)

The A-Z of Astronomy

by Patrick Moore

The Backyard Astronomer's Guide

by Terence Dickinson & Alan Dyer (2008, Third Edition)

The Beginners Guide to the Skies

A Month by Month Handbook for Star Gazers and Planet Watchers

by Clarence H. Cleminshaw (1977)

The CCD Camera Cookbook

by Richard Berry, et. al.

Binoculars and All Purpose Telescopes

by Dr. Henry Paul

Build Your Own Telescope

by Richard Berry (1985)

Burnham's Celestial Handbook, Vol. 1: Andromeda through Cetus

by Robert Burnham (1978, two copies)

Burnham's Celestial Handbook, Vol. 2: Chamaeleon through Orion

by Robert Burnham (1978, two copies)

Burnham's Celestial Handbook, Vol. 3: Pavo through Vulpecula

by Robert Burnham (1978, two copies)

Edmund Scientific: Homebuilt Telescopes (1964 classic)

Edmund Scientific: Telescope Optics (1966 classic, two copies)

Handbook for Star Trackers: Making and Using Star Tracking Camera Platforms

by Jim Ballard (1988)

NightWatch: An Equinox Guide to Viewing the Universe

by Terence Dickinson (1983)

NightWatch: A Practical Guide to Viewing the Universe

by Terence Dickinson (2006, Fourth Edition)

Norton's 2000 Star Atlas and Reference Handbook 18th ed.

by Ian Ridpath (1989)

Observe and Understand the Stars

by Arnold R. Johnson

Observe Comets, Asteroids, Meteors, and the Zodiacal Light

by David H. Levy & Stephen J. Edberg (1986)

The Observer's Sky Atlas

by Erich Karkoschka (1990)

Radio Astronomy and How to Build Your Own Telescope

by John Heywood

Seeing and Believing: How the Telescope Opened Our Eyes and Minds to the Heavens

by Richard Panek (1998)

Seeing the Deep Sky: Telescopic Astronomy Projects Beyond the Solar System

by Fred Schaaf (1992)

Skywatching

by David H. Levy

Star & Planet Spotting: A Field Guide to the Night Sky

by Peter Lancaster Brown

Stars and Planets: The Sierra Club Guide to Sky Watching and Direction Finding

by William S. Kals (1990)

Telescopes for Star Gazing

by Henry Paul

Touring the Universe through Binoculars

by Phil Harrington (1990)

Turn Left at Orion: A Hundred Night Sky Objects to See in a Small Telescope

by Guy Consolmagno & Daniel Michael Davis (1995)

Astrophysics

A Star Called the Sun

by George Gamow

The Big Spark: A Grand Unification

by Derf Q. Sevas & Oma E. Vargle (1992)

Black Holes: The End of the Universe

by John Taylor

Black Holes and Warped Spacetime

by William J. Kaufmann

The First Three Minutes: A Modern View of the Origin of the Universe

by Steven Weinberg

Hyperspace!

by David A. Adler & Fred Winkowski

The New Cosmology

by Harold W. G. Allen (2002)

Origin of Comets in Planet Magnetotails

by Cyril Marystone (1983)

The Oscillating Universe

by Ernst Julius Öpik

Quasars, Pulsars, Black Holes and HEAO's

by R.F. Doolittle, K. Moritz, R.D.C. Whilden

Red Giants and White Dwarfs

by Robert Jastrow (a classic)

The Red Limit: The Search for the Edge of the Universe

by Timothy Ferris (1977)

The Sun, the Earth, and Near-Earth Space: A Guide to the Sun-Earth System

by John A. Eddy (2009)

The Structure of the Universe

by Evry L. Schatzman

The Unity of the Universe

by Dennis William Sciama

General

America's Next Decade in Space

published by NASA (1969)

The Astronomers

by Donald Goldsmith (1991, accompanied the PBS TV series, two copies)

Astronomy

by Edwin G. Ebbighausen

Astronomy

by Samuel Rapport (Editor) & Helen Wright (anthology of astro pieces)

Astronomy: A Brief Introduction

by Walter H. Hesse

Astronomy: Fundamentals and Frontiers

by Robert Jastrow & Malcolm H. Thompson

Astronomy Publications

published by Kodak (Tech Bits bound together)

Bad Astronomy

Misconceptions and Misuses, from Astrology to the Moon Landing "Hoax"

by Philip Plait (2002)

Comet

by Carl Sagan & Ann Druyan (1985)

Concepts of the Universe

by Paul W. Hodge

Concepts of Contemporary Astronomy

by Paul W. Hodge

Cosmic Life Force

by Fred Hoyle & Chandra Wickramasinghe (1988)

Cosmos

by Carl Sagan (1980)

Death from the Skies!

These are the ways the world will end...

by Philip Plait (2008)

Discovering the Universe

by William J. Kaufmann & Neil F. Comins (1987)

Exploring the Universe

by Louise B. Young (Editor)

The Galactic Club: Intelligent Life in the Universe

by Ronald N. Bracewell (1974)

Interstellar Communication: Scientific Perspectives

by Cyril Ponnampuruma & Alastair Graham Walter Cameron

Our Changing Universe: the New Astronomy

by John R. Gribbin

Pictorial Guide to the Stars

by Henry C. King

Scientific American: The Universe

Scientific American: New Frontiers in Astronomy (1975)

Scientific American: The Solar System

Scientific American: The New Astronomy

Sun Moon Earth:

The History of Solar Eclipses from Omens of Doom to Einstein and Exoplanets

by Tyler Nordgren

Voices from the Sky

by Arthur C. Clarke

Historical

Doctor Copernicus: a novel

by John Banville (1976)

Kepler: a novel

by John Banville (1981)

The Star Gazer: A Novel of Galileo

by Zsolt DeHarsanyi

Solar System

The International Halley Watch Atlas of Large-Scale Phenomena

by John C. Brandt, Malcolm B. Niedner, Jr., and Jurgen Rahe

Mars: The Photographic Story

by Earl C. Slipher

Nine Planets

by Alan Edward Nourse

Pictorial Guide to Planet Earth

by Frederick Ira Ordway

Planet Earth

by Karl Stumpf

Radio Exploration of the Planetary System

by Alex G. Smith & Thomas D. Carr (two copies)

Radio Exploration of the Sun

by Alex G. Smith & Thomas D. Carr

Rogue Asteroids and Doomsday Comets

by Duncan Steel

Textbooks

A Brief Text in Astronomy

by William T. Skilling & Robert S. Richardson

An Introduction to Astronomy

by Robert Horace Baker & Laurence W. Fredrick (1968)

Astronomy

by Franklyn Mansfield Branley, et. al. (1975)

Astronomy

by John Charles Duncan (1946)

Astronomy

by Arthur M. Harding (1935)

Astronomy

by Theodore Grefe Mehlin (1959)

Astronomy, A Cosmic Perspective

by Michael Zelik (1983)

Astronomy: The Evolving Universe

by Michael Zeilik (two copies)

Astronomy Today

by Eric J. Chaisson & Steve McMillan (1993)

Astronomy Today

by Eric J. Chaisson & Steve McMillan (1997)

Discovering Astronomy

by R. Robert Robbins & William H. Jefferys (1988)

The Essential Cosmic Perspective 3rd ed.

by J. Benney, M. Donahue, N. Schneider, & M. Voit (2005)

Essentials of Astronomy

by Lloyd Motz and Anneta Duveen (1966)

Exploring the Cosmos

by Louis Berman & John C. Evans (1986)

Foundations of Astronomy

by Michael A. Seeds (1984)

Horizons: Exploring the Universe, 7th ed.

by Michael A. Seeds (2002)

Horizons: Exploring the Universe, 9th ed.

by Michael A. Seeds (2006)

Introduction to Astronomy

by Dean B. McLaughlin (1961)

Modern Astronomy

by D. Scott Birney (1969)

Pictorial Astronomy

by Dinsmore Alter & Clarence H. Clemminshaw (1952)

Universe: an Evolutionary Approach to Astronomy

by Eric J. Chaisson (1975)

Universe

by William J. Kaufmann (1985)

Universe

by William J. Kaufmann (1988)

CD-ROM

Formation & Evolution of the Milky Way PowerPoint presentation

by Dr. Timothy Beers (presented at the April 2005 general meeting of the KAS)

The Sky: Student Edition

(Desktop planetarium software)

DVD

400 Years of the Telescope

A Journey of Science, Technology and Thought, 60 minutes, 2009

A Sidewalk Astronomer

About astronomy, cosmology, and John Dobson, 78 min, 2005

Astronomy Magazine Infinite Cosmos DVD Series:

Constellations

Cosmic Collisions

Dark Matter/Dark Energy

Jupiter the Giant Planet

Life and Death of a Star

Mars the Red Planet

Runaway Universe

Saturn: Lord of the Rings

Secrets of the Sun

Spaceship Earth

The End of Earth: Deep Space Threats to Our Planet

The Moon

Cassini-Huygens Mission: Saturn Essays 1 - 3

(NASA/JPL)

Cosmic Collisions

20-minute program from NASA and the American Museum of Natural History

Explorer 1: Beginnings of the Space Age

Follow the story of how the U.S. entered the Space Age, Produced by JPL

Hubble Source

(NASA, 2003)

Ring World

(NASA/JPL program on the Cassini mission to Saturn, 2004)

Ring World 2

(NASA/JPL revision on the Cassini mission to Saturn, 2005)

Ultimate Space Collection

(Five Discovery Channel Programs)

Understanding the Universe: An Introduction to Astronomy, 2nd Edition (Parts 1 – 8)

Taught by Professor Alex Filippenko, University of California, Berkeley

Educational Resources

Interactive Lesson Guide for Astronomy: Cooperative Learning Activities

by Michael Zeilik (1998; revised 2000 edition)

Live from the Sun (Teacher's Guide)

Edited by Geoffrey Haines-Stiles & Erna Akuginow

The Universe at Your Fingertips: An Astronomy Activity and Resource Notebook

A Publication of Project Astro & the Astronomical Society of the Pacific

Edited by Andrew Fraknoi

(in two red binders)

Miscellaneous

Celestial Planisphere

by T. Filsinger (1000 piece jigsaw puzzle, 20×27 inches with booklet)

LX200 Instruction Manual

by Meade Instruments (four copies)

***Measurement Science and Technology*, 14**

“A Telescopic Instrument for Direct Astronomical Lightspeed Measurements.”

by John B. Miller & T. E. Miller (2003)

Periodicals

Astronomy

1974: March - December

1975: January - October, December

1976: January - September, November, December

1977 – 1978: *Complete*

1979: February - December

1980 – 1981: *Complete*

1982: January - May, July - December

1983: January, March - October, December

1984: *Complete*

1985: January - July, October - December

1986: February, May

1987: January, March, May - July, October

1988: January - May, August, November

1989: October - December

1990: February, April - December

1991: January, April

1992: July, December

1993: February, April, June, September - December

1994: January - May, July - December

1995: January - March

ATM Journal

Issues 1 - 2 (missing 3)

Issues 4 - 5 (missing 6)

Issues 7 – 15

The Observer's Guide

March/April 1987 - May/June 1992

Sky & Telescope

The Complete Sky & Telescope Collection DVD (1941 – 2009)

1943: May

1947: October - December

1948: January - October

1949: May, June, October, November

1950: January, March - December

1951: January, February, April, June, July, September, November, December

1952: *Complete*

1953: *Complete*

1954: February - April, June, August, September, November, December

1955: *Complete*

1956: January, May, November, December

1957: *Complete*

1958: *Complete*

1959: November, December

1960: January - October

1961 – 2007: *Complete*

2008: January - May

Telescope Making

Issues 1 - 4 (Fall, 1978 - Summer, 1979); missing 5 and 6

Issues 7 - 14 (Spring, 1980 - Winter, 1981-82); missing 15 and 16

Issues 17, 18 (Fall, 1982, Winter 1982/83); missing 19

Issues 20, 21 (Summer/Fall, 1983); missing 22, 23, 24, 25

Issues 26 - 37 (Summer, 1985 - Summer, 1989)

Issues 38 - 46 (Fall, 1989 - Winter 1991-92)

