



## 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 sign and date the card again. 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* 48 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 April 28, 2020*

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

## Books

### Amateur Astronomy

***A Field Guide to the Stars and Planets***

by Donald H. Menzel (1964)

***All About Telescopes***

by Sam Brown (1985 edition)

***Amateur Astronomer's Handbook***

by James Muirden

***Amateur Astronomy***

by Patrick Moore (1968)

***Amateur Telescope Making***

edited by Albert G. Ingalls (1933)

***Amateur Telescope Making (Book Three)***

edited by Albert G. Ingalls (1953; 1971 printing)

***The Astronomical Almanac (2018-2022)***

by Richard J. Bartlett (2017)

***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. Clemminshaw (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)

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

by Robert Burnham (1978, paperback copy)

***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)

***How and Why to Make A User-Friendly Sidewalk Telescope***  
by John L. Dobson (1991, plywood-bound edition)

***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 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 Ponnampertuma & 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 Fiction**

***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

## Science Fiction

***Foundation***

by Isaac Asimov (2004 edition)

## 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 John Charles Duncan (1946)

***Astronomy***

by Arthur M. Harding (1935)

***Astronomy***

by Theodore Greife Mehlin (1959)

***Astronomy, A Cosmic Perspective***

by Michael Zelik (1983)

***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)

***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)

## CD-ROM

***Formation & Evolution of the Milky Way*** PowerPoint presentation

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

## 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, 2<sup>nd</sup> 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

***A Chart of the Heavens***

Hansen Planetarium (1968, map)

***Celestial Planisphere***

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

***Hubble 15th Anniversary Press Packet***

Space Telescope Science Institute (2005)

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

***“A Telescopic Instrument for Direct Astronomical Lightspeed Measurements.”***

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

***Topographic Map of Mars***

U.S. Geological Survey (1982 reprint of 1976 map)

## 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)

