

**A HISTORICAL ASTRONOMY**

- AA Scientists (Alphabetical)
- AB General historical scenes
- AC Early Era Observatories
- AD Artifacts, Instruments, Maps
- AE Historical Ideas and Records
- AF Post-Medieval History

B TOOLS OF THE ASTRONOMERS

- BA Observatories-Refractors
[Subcodes—observatory's first initial(s)
+ telescope size in inches]
- BB Observatories-Reflectors (same way as
BA)
- BC Solar Observatories and Instruments
- BD Radio Observatories
- BE Other types of Tools
- BF Amateur and Commercial Telescopes
- BG Observatory Complexes
- BM Auxiliaries
 - P—Photometry
 - S—Spectroscopy
 - M—Miscellaneous
- BM Radio, Radar Science

C PLANETARIUMS**D SPACE PROGRAM**

- DA Rockets and Earth-orbiting Satellites
- DB Space Probes-Mission Profiles (coded
by series, i.e. Voyager 1, etc.)
- DC Project Mercury
- DD Project Gemini
- DE Apollo Spacecraft per mission
- DF Post-Apollo
- DG Non-US programs
- DH Man's Future in Space
- DS Shuttle
- DT Artists Concepts of The Future

E SKY OF DAY AND NIGHT

- EA Coordinate Systems
 - A Azimuthal
 - C Celestial Sphere E Ecliptic
 - R Equatorial (RA/Dec)
 - T Terrestrial
- EB Time
- EC Effects of Earth's Motions

- D Daily, Diurnal
- G General Yearly Motion
- L Latitude Effects
- P Precession
- U Latitude 40 degree Views

- EE Day and Twilight Photos
- EF Constellations (alphabetical)
- EG Maps

- N North Circumpolar
- E Equatorial
- Z Zodiacal
- S South Circumpolar
- G Galactic

- EI Night Wide-Field photographs

F CELESTIAL MECHANICS AND PHYSICS

- FA Orbits and Planetary Laws
- FB Newtonian Physics and Gravity
- FE Relativity
- FM Miscellaneous Physics
- FO Geometrical optics
- FP Optical Principles
- FS Electromagnetic Spectrum
 - B Blackbody
 - E Entire Spectrum
- FT Spectra of Molecules and Atoms
 - F Formation of Lines and spectra
 - S Spectra of Gases

H SOLAR SYSTEM IN GENERAL

- HA Origin
- HB Orbits and Data
- HC Characteristics of the Planets
- HD Planetary Motions and Configurations
- HE Solar Motion

I SOL

- IA Structure
- IB Sunspots
- IC Prominences
- ID Flares
- IE Granulations and Spicules
- IF Corona
- IG Narrow-band Spectral Views
- IH Non-optical Views
- II Eclipse Diagrams
- IJ Eclipse Photos
- IK Solar-terrestrial Effects



J EARTH

- JA Basics and General Characteristics
- JB Biological Manifestations
- JC Atmosphere/Meteorology
- JD Planet-wide Photos
- JE Detailed Photos from Space
- JG Geology
- JL Terrestrial Landscapes
- JM Magnetic Field

K MOON

- KA Phases
 - G General Diagrams
 - I-VIII Phases , I = New
- KB Eclipses and Occultations
- KC Telescopic Features
- KD Space Photography
- KE Apollo Surface Exploration
- KG Selenography
- KH Orbit
- KI Lunar-Terran Effects

L MERCURY

- LA Basic Characteristics
- LB Telescopic views
- LD Probe Explorations-whole disk
- LE Close-up Probe Explorations
- LT Artist Concepts

M VENUS

- MA Basic characteristics
- MB Telescope Appearance
- MC Atmosphere and Cloud studies
- MD Surface Maps and photos
- ME Surface Studies
- MS Surface Art
- MT Artist Concepts

N MARS

- NA General Data
- NB Drawings and Maps
- NC Earth-based Photos
- ND Space Age Art
- NE Flybys; Planet-wide Probe Photos
- NF Orbiters: General Surface
- NG Orbiters: Tectonics
- NH Orbiters: Poles
- NI Orbiters: Valleys, canyons, "streams"

- NJ Orbiters: Clouds and Dust
- NL Landers on the Surface of Mars
- NM Satellites
- NT Artist Concepts

O JUPITER

- OA Basics Characteristics—Planet and Atmosphere
- OB Telescopic Views of Jupiter
- OD Probe Photos—disk
- OE Close-up Photos of Clouds and GRS
- OF Magnetic Field/Radio Observations
- OM Satellite System Data + Rings
- ON Earth-based Satellite Phenomena
- OP Probe Photos of Satellites (Alphabetical By Satellite)
- OT Art

P SATURN

- PA General Characteristics
- PB Earth-based Drawings
- PC Earth-based Photos
- PD Ring System
- PM Satellites (Alphabetical)
- PF Flyby Photos of Saturn + Rings/Moons
- PS System Photos and Concept Drawings
- PT Artist Concepts

Q "MODERN" PLANETS

- QA Uranus
- QB Neptune
- QC Pluto
- QD Trans-Neptunian/Kuiper Belt Objects

R MINOR MEMBERS OF THE SOLAR SYSTEM

- (within each category, a subscript "p" stands for photograph and "t" for artist rendering)
- RA Asteroids
 - RB Meteoroidal
 - 1 Meteoroids 2 meteor photos
 - 3 showers 4 meteorites
 - 5 craters on Earth
 - RC Interplanetary dust
 - RD Comets—Historical Perspectives
 - RE Scientific Drawings of Comets
 - RF Photos of Comets (Alphabetical)
 - RG Orbits and Origins
 - RH Comet Structures



RI Spectra
RZ Miscellaneous

S STELLAR OBSERVATIONS AND PROPERTIES

SA Distance Determinations
SB Motions
SC Magnitudes
SD Colors of Stars
SE Spectra—MK
 G General Groups
 M MK Standard Star Spectra
SF Spectra of Non-Stellar Objects
SH HR and other diagrams
SJ Effects of Spectral Lines
SK Sizes of Stars
SN Star Names/Nomenclature

T STAR TYPES AND EVOLUTION

TA Visual Binaries/Multiple Stars
TB Spectroscopic Binaries
TC Eclipsing Binaries
TD Stellar Evolution: HR Diagrams
 with Pictorial Sequences
TE Pulsating Variables
TF Irregular Variables—Pre-Main Sequence
TG Main Sequence Stars
TH Post-Main sequence (non-cataclysmic)
 RG Red Giants
 LPV Long Period Variables
 WD White Dwarfs
TI Novae
TJ Supernovae
TK Retired Stars: Pulsars and Neutron Stars
 (coded P and N)
TL Black Holes
TM Other Objects (SS433, etc.)
TN Nucleosynthesis and Stellar Energy
 Production
TT Artist Concepts of Stars and Systems

V MILKY WAY STRUCTURE AND CONTENTS

(* below = Subcoded MI—Miscellaneous
 Photos and information; by NGC/IC
 Number)
VB Galactic Clusters*
VC Globular clusters*
VD Dark Nebulae and Molecular Clouds

VE Diffuse Nebulae*
VF Planetary Nebulae*
VG SNRs*
VH Structure of the Milky Way
 P Plane and Poles
 L Local Area and Solar Location
 T Top View and spiral arms
 S Side View and halo
 C Galactic Center
VJ Milky Way starfields
VK High Energy Astronomy
VM Interstellar Medium

W EXTRAGALACTIC ASTRONOMY

(* see note under V)

WA Classification Schemes
WB Ellipticals*
WC Spirals*
WD Barred Spirals*
WE Dwarfs
WF Irregular and Peculiar Galaxies*
WG Interacting and Violent
WH Local Group
WI Clusters of Galaxies
WJ Quasars
WK M31 and its system
WL Cosmological Expansion/
 Universe Models

X TEXAS ASTRONOMY

Use this category for your own facilities' structures and instruments.

Y HUMAN CREATIONS

YA Aliens/Alien Worlds in Art Form
YB Science Fiction
YC Cartoons and Humor
YD Public Relations
YE Quotes, Poems, Phrases
YF Astronomy in the World Around Us
 such as brand names with star words,
 etc.
YO Just plain odd
YS Space Object Words
YT Titles and Prose from Lectures

Z# COLLECTIONS OF SLIDES/SHOW SLIDES