

# Appendix

## Abbreviations

Here general abbreviations, as used in the text, are explained. Excluded: galaxy classification (Table 1.2), catalog designations and names (Chapter 3), publications (see next Appendices), or directions (e.g., NW).

AGN	Active galactic nucleus
BCD	Blue compact dwarf (galaxy)
BSO	Blue stellar object
CCD	Charge coupled device
CDM	Cold dark matter
DSS	Digital Sky Survey
fst	Faintest star
GA	Great attractor
GC	Globular cluster
GRB	Gamma ray burst
HII	HII region
HDF	Hubble Deep Field
HST	Hubble Space Telescope
LBV	Luminous blue variable
LF	Luminosity function
LG	Local Group
LPR	Light pollution reduction (filter)
LSB	Low surface brightness (galaxy)
OC	Open cluster
PN	Planetary nebula
POSS	Palomar Observatory Sky Survey
QSO	Quasi stellar object (quasar)
SC	Star cloud
SCT	Schmidt-Cassegrain telescope
SDSS	Sloan Digital Sky Survey
SSC	Super star cluster
UHC	Ultra high contrast (filter)
ULIRG	Ultra luminous infrared galaxy
WR	Wolf-Rayet (galaxy)
ZOA	Zone of avoidance

## General Literature

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### Deep Sky Observing Books

- Burnham, R. Jr., *Burnham's Celestial Handbook*, Vol. 3, Dover Publ., Mineola, NY, 1978
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## Magazines (with frequent articles on galaxies)

- Astronomy*, Kalmbach Publication (USA)  
*Astronomy & Geophysics*, Royal Astronomical Society (UK)  
*Astronomy and Space*, Astronomy and Space Magazine (AUS)  
*Astronomy Now*, Pole Star Publications Ltd (UK)  
*Deep Sky Observer*, Webb Society (UK)  
*Journal of the BAA*, British Astronomical Association (UK)  
*Journal of the RASC*, Royal Astronomical Society of Canada (CAN)  
*Popular Astronomy*, The Society for Popular Astronomy (UK)  
*Sky & Telescope*, Sky Publishing Corp. (USA)  
*Sky and Space Magazine*, Sky and Space Publishing (AUS)

## Digital Sources

### Sky Mapping Software

- Chartes du Ciel*: [www.stargazing.net/astropc](http://www.stargazing.net/astropc)  
*Guide*, Project Pluto: [www.projectpluto.com](http://www.projectpluto.com)  
*MegaStar*, E.L.B. Software: [home.flash.net/~megastar](http://home.flash.net/~megastar)  
*Redshift*, Maris Technologies: [www.redshift.maris.com](http://www.redshift.maris.com)  
*SkyChart*, Southern Stars Software: [www.southernstars.com](http://www.southernstars.com)  
*SkyMap Pro*, SkyMap Software: [www.skymap.com](http://www.skymap.com)  
*StarryNight Pro*, Space Holdings Inc.: [www.starrynight.com](http://www.starrynight.com)  
*The Sky, RealSky*, Software Bisque: [www.bisque.com](http://www.bisque.com)  
*Xephem*, Clearsky Institute: [www.clearskyinstitute.com/xephem](http://www.clearskyinstitute.com/xephem)

### Internet Databases

- Centre des Données Astronomique de Strasbourg (CDS), catalogues: [cdsweb.u-strasbg.fr/cats/cats.html](http://cdsweb.u-strasbg.fr/cats/cats.html)  
*Lyon-Meudon Extragalactic Database* (LEDA): [leda.univ-lyon1.fr](http://leda.univ-lyon1.fr)  
 Mikkel Steine's *Deep Sky Browser*, collection of deep sky catalogues: [messier45.com](http://messier45.com)  
*NASA Extragalactic Database* (NED): [nedwww.ipac.caltech.edu](http://nedwww.ipac.caltech.edu)  
*Revised New General Catalogue and Index Catalogue*: [www.klimaluft.de/steinicke/ngcic/rev2000/Explan.htm](http://www.klimaluft.de/steinicke/ngcic/rev2000/Explan.htm)  
 Saguaro Astronomy Club (SAC), Deep Sky Database: [www.saguaroastro.org](http://www.saguaroastro.org)  
*SIMBAD/Aladin*: [simbad.u-strasbg.fr/Simbad](http://simbad.u-strasbg.fr/Simbad)

## Useful Links

Amastro mailing list: [groups.yahoo.com/group/amastro](http://groups.yahoo.com/group/amastro)  
 Anglo Australien Telescope (AAT), images: [www.aao.gov.au/images](http://www.aao.gov.au/images)  
 Astrophysics Data System (ADS): [adsabs.harvard.edu/article\\_service.html](http://adsabs.harvard.edu/article_service.html)  
 Digitized Sky Survey (DSS): [archive.eso.org/dss/dss](http://archive.eso.org/dss/dss)  
 Hubble Space Telescope (HST), images: [www.seds.org/hst/hst.html](http://www.seds.org/hst/hst.html)  
 Internet Amateur Astronomers Catalog (IAAC), visual observations: [www.visualdeepsky.org](http://www.visualdeepsky.org)  
 National Space Science Data Center (NDSSC), photo gallery: [nssdc.gsfc.nasa.gov/photo\\_gallery](http://nssdc.gsfc.nasa.gov/photo_gallery)  
 NGC/IC Project: [www.ngcic.org](http://www.ngcic.org)  
 Optical Master Catalog: [heasarc.gsfc.nasa.gov/W3Browse/all/optical.html](http://heasarc.gsfc.nasa.gov/W3Browse/all/optical.html)  
 Preprint-Server: [www.stsci.edu/astroweb/cat-preprint.html](http://www.stsci.edu/astroweb/cat-preprint.html)  
 Skyview Advanced: [skyview.gsfc.nasa.gov/cgi-bin/skvadvanced.pl](http://skyview.gsfc.nasa.gov/cgi-bin/skvadvanced.pl)  
 Students for the Exploration of Space (SEDS): [www.seds.org](http://www.seds.org)  
 Webb Society: [www.webbsociety.freemove.co.uk](http://www.webbsociety.freemove.co.uk)  
 Website of the Author (data, articles): [www.klima-luft.de/steinicke](http://www.klima-luft.de/steinicke)

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The following abbreviations are used:

S&T	Sky & Telescope
DSO	Deep Sky Observer
DSM	Deep Sky Magazine
MNRAS	Monthly Notices of the Royal Astronomical Society
Sci. Am.	Scientific American
Astrophys. J.	Astrophysical Journal
Astrophys. J. Suppl.	Astrophysical Journal Supplement
Astron. J.	Astronomical Journal
Astron. Astrophys.	Astronomy & Astrophysics

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# List of Tables

## Section I

- Table 1.1. Classification of spiral galaxies
- Table 1.2. Galaxy classification according to de Vaucouleurs (adopted from RC3)
- Table 1.3. Examples of de Vaucouleurs classification
- Table 1.4. Classification of prominent galaxies in the Hubble and de Vaucouleurs schemes
- Table 1.5. Range of integral quantities in comparison with the Milky Way
- Table 2.1. Definition of distance and richness class for Abell clusters
- Table 3.1. Examples of incorrect classes of deep sky objects

## Section II

- Table 5.1. Antoniadi's seeing scale
- Table 5.2. Bortle's transparency scale
- Table 6.1. Data of 3C 66A
- Table 6.2. Galaxies near 3C 66A

## Section III

- Table 7.1. All 40 Messier galaxies
- Table 7.2. Visual descriptions of the Messier galaxies using different apertures
- Table 7.3. Northern NGC/IC galaxies brighter than  $V = 10$  mag (not listed in the Messier catalogue)
- Table 7.4. Southern NGC galaxies brighter than  $V = 10$  mag
- Table 7.5. Visual description of NGC/IC galaxies
- Table 7.6. Bright galaxies from UGC and UGCA
- Table 7.7. Visual descriptions of bright UGC(A) galaxies
- Table 7.8. A selection of galaxies within  $5^\circ$  of the northern celestial pole
- Table 7.9. Galaxies within  $5^\circ$  of the southern celestial pole
- Table 7.10. Observations of galaxies near the celestial poles
- Table 8.1. Local Group galaxies beyond the Milky Way with a (working) distance of 1.2 Mpc
- Table 8.2. Observations of Local Group galaxies
- Table 8.3. Members of the IC 342/Maffei group of galaxies.
- Table 8.4. Observations of galaxies in the IC 342/Maffei group
- Table 8.5. The nine Holmberg dwarfs
- Table 8.6. Observations of Holmberg dwarfs with various apertures
- Table 8.7. Non-stellar objects in M 31 and M 110
- Table 8.8. Visual descriptions of non-stellar objects in M 31 and M 110
- Table 8.9. NGC/IC objects (SC = star cloud) and the brightest globulars in M 33
- Table 8.10. Visual descriptions of M 33 objects
- Table 8.11. NGC/IC objects in other galaxies
- Table 8.12. Visual descriptions of non-stellar objects in other galaxies
- Table 8.13. 20 bright northern Quasars and BL Lacertae objects

- Table 8.14. The brightest variable galaxies, designated as “variable stars”  
Table 8.15. Observations of variable galaxies  
Table 8.16. Brighter lensed quasars  
Table 8.17. Quasar pairs  
Table 8.18. Selected bright, large edge-on galaxies  
Table 8.19. Selected superthin galaxies  
Table 8.20. Observations of edge-on and superthin galaxies  
Table 8.21. Collection of peculiar or amorphous galaxies  
Table 8.22. A collection of the better known classic, polar, and irregular ring galaxies  
Table 8.23. Visual descriptions of peculiar, ring and amorphous galaxies  
Table 8.24. Selected giant elliptical, cD, and dumbbell galaxies  
Table 8.25. Visual descriptions of giant elliptical and cD galaxies  
Table 9.1. 10 pairs of galaxies  
Table 9.2. 10 galaxy trios  
Table 9.3. Visual descriptions of galaxy pairs  
Table 9.4. Superimposed or overlapping galaxies  
Table 9.5. Visual descriptions of galaxy trios.  
Table 9.6. Groups of 4 to 7 galaxies  
Table 9.7. Galaxy chains and a galaxy ring  
Table 9.8. Visual descriptions of galaxy groups and chains  
Table 9.9. Sample of small (poor) clusters with its associated NGC/IC galaxies  
Table 9.10. Visual descriptions of small clusters  
Table 9.11. A selection of bright or nearby Abell clusters  
Table 10.1. A sample of galaxies within 25' of stars brighter than 4.5 mag  
Table 10.2. Galaxies near non-stellar Milky Way objects  
Table 10.3. Visual descriptions of galaxies near to stars or deep sky objects  
Table 10.4. A (pretty subjective) sample of galaxies with famous names or designations  
Table 10.5. All extragalactic “A-type” radio sources  
Table 10.6. Visual descriptions of famous galaxies

## Figured Objects

Object	Fig.
A 151	9.7
A 426	2.11
A 1656	1.2
A 1689	2.14
A 2029	2.13
A 2151	2.10
Arp 220	1.37
AWM 7	9.6
Coal Sack	1.5
Copeland's Septett	3.9
Cygnus A	2.12
Double Quasar	8.10
Draco Dwarf	4.5
Dwingeloo 1	8.4
Einstein Cross	2.7
ESO 202-23	10.4
ESO 510-13	1.25
G1	8.6
Hoag's Object	1.28
Holmberg II	8.5
IC 1296	10.3
IC 1308	4.3
IC 2233	8.12
IC 2574	5.3
IC 4107	3.2
IC 5146	1.6
II Zw 40	1.23
II Zw 99	9.1
M 31	1.4
M 33	7.7
M 51	7.2
M 67	5.2
M 77	1.27
M 81	5.5
M 82	1.21
M 83	3.3
M 101	4.4
M 104	7.1
M 108	6.8
Malin 1	1.32
MCG chain	4.5
NGC 55	1.12
NGC 100	1.26
NGC 128	1.19
NGC 185	8.1
NGC 247	7.6
NGC 253	3.1

Object	Fig.
NGC 300	7.5
NGC 404	10.1
NGC 660	6.7
NGC 891	6.6
NGC 1049	8.2
NGC 1232	1.13
NGC 1365	1.20
NGC 1531/32	7.5
NGC 1618/22/25	10.2
NGC 2573	7.14
NGC 3172	7.13
NGC 3314	2.5
NGC 3628	7.4
NGC 3877	8.7
NGC 4038/39	1.35
NGC 4319/Mrk 205	2.6
NGC 4449	7.9
NGC 4486B	1.24
NGC 4517	3.6
NGC 4565	1.14
NGC 4622	1.34
NGC 4631/27	3.8
NGC 4650A	3.5
NGC 4676	8.15
NGC 5090/91	1.1
NGC 5128	7.8
NGC 5266	1.18
NGC 5421	3.7
NGC 5907	8.11
NGC 6166	1.22
NGC 6240	1.31
NGC 6726/27/28	1.7
NGC 6745	8.13
NGC 6946	1.16
NGC 7331	7.10
OM-076	2.8
PG 1634+706	5.4
PGC 61965	8.8
PKS 2349-014	1.36
Sculptor Dwarf	1.30
Seyfert's Sextett	9.3
Shkh 1	2.9
UGC 3697/3714	7.11
UGC 10214	8.14
UGC 12914/15	9.2
V362 Vul	8.9
WLM	8.3
3C 66A	6.5
8 Zw 288	9.4



## Sources of Figures

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Cardiff	University of Cardiff (Jonathan Davies)	1.32
Celnik	Werner E. Celnik	6.1
Chandra	Chandra X-ray Center, CfA, Harvard	2.13
DSS	Digital Sky Survey, Space Telescope Science Institute	1.18, 1.19, 1.23, 1.24, 1.26, 1.30, 1.31, 2.8, 2.9, 3.2, 3.6, 3.7, 3.9, 5.2, 5.3, 5.4, 6.5, 7.9, 7.11, 7.13, 7.14, 8.2, 8.5, 8.8, 8.9, 8.12, 9.1, 9.2, 9.4, 9.5, 9.6, 9.7, 10.1, 10.2, 10.3, 10.4
ESO	European Southern Observatory	1.1, 1.13, 1.20, 3.3, 7.1, 7.5, 10.8
Flach-Wilken	Bernd Flach-Wilken (www.spiegelteam.de)	1.14, 6.6, 7.4
Güths	Torsten Güths	4.2
HST	Hubble Space Telescope, Space Telescope Science Institute	1.25, 1.28, 1.33, 1.34, 1.35, 1.36, 1.37, 2.5, 2.6, 2.7, 2.14, 2.16, 8.6, 8.13, 8.14, 8.15, 9.3
ING	Isaac Newton Group	1.16, 1.27, 5.5, 7.10, 8.1, 8.3, 8.4
Keck	W. M. Keck Observatory	2.12
Koch	Bernd Koch	2.10, 8.7
Maddox	University of Nottingham (Steve Maddox)	3.4
Poyner	Gary Poyner	6.2
Scholz	Cord Scholz	1.2, 1.4, 1.6, 3.8, 4.4, 7.9, 8.11
SDSS	Sloan Digital Sky Survey	1.21, 1.22, 2.11, 4.5, 6.7, 7.2
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