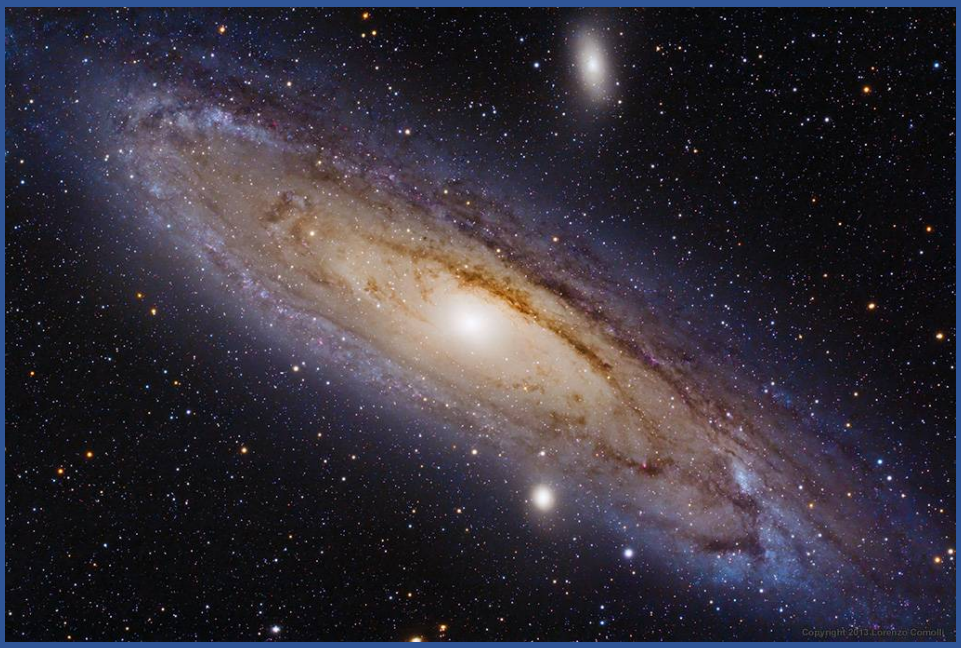
MESSIER



A COMPLETE VISUAL REFERENCE OF THE 110 MESSIER OBJECTS WITH COMMON NAMES AND MAGNITUDE LEVELS

Preface

I'm very new to astronomy and have spent a number of months now developing an astronomer's eye. I know where things should be but have had real problems finding the fainter objects. Even on clear nights it's been hard to find things if I don't know what they're meant to look like. Once I've found something and am familiar with its appearance, seeing it again is relatively straightforward.

It occurred to me that what I needed was an easy visual guide to the various objects. This would then `prime` my eye when out looking for the fainter wonders of the universe. Numerous existing publications contain the same data but are more bulky in physical size and information than I care to carry with me. Hence this booklet which I compiled for my own use.

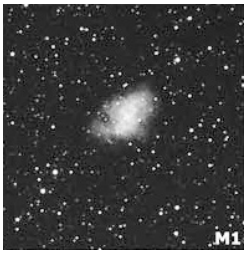
I'm purely a visual observer and just want to look at what's out there. I only need to know what something may look like and if I've got a chance of seeing it. That's why the magnitude figures are also included.

The images here are often of Hubble quality and won't look nearly as spectacular in amateur instruments. A lot will be a faint smudge if visible at all. They at least give you an idea though of what to look out for.

There are a lot of free resources made available to the amateur astronomer by some wonderful altruistic people who have put in a lot of time and effort for the benefit of others. As this was compiled to be useful to me, it must be of use to others also and is my attempt at providing a little something in return. I hope people find it beneficial in the pursuit of this fascinating hobby.

All information contained in this booklet has been taken from various internet sources. As all the best publications say- E&OE.

Martyn Fuller 2015



M1 Crab Nebula
Magnitude 8.4



M2 Globular Cluster
Magnitude 6.3



M3 Globular Cluster
Magnitude 6.2



M4 Globular Cluster
Magnitude 5.9



M5 Globular Cluster
Magnitude 6.7



M6 Open Cluster
Magnitude 4.2



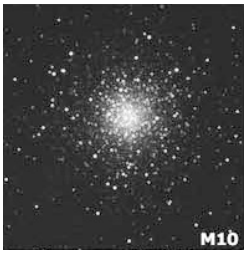
M7 Ptolemy Cluster
Magnitude 3.3



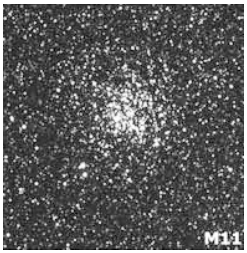
M8 Lagoon Nebula
Magnitude 6



M9 Globular Cluster
Magnitude 8.4



M10 Globular Cluster
Magnitude 6.4



M11 Wild Duck Cluster
Magnitude 6.3



M12 Globular Cluster
Magnitude 7.7



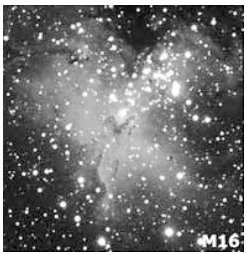
M13 Globular Cluster
Magnitude 5.8



M14 Globular Cluster
Magnitude 8.3



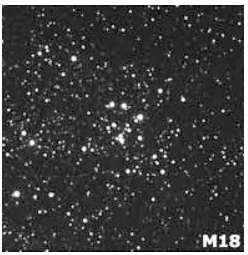
M15 Globular Cluster
Magnitude 6.2



M16 Eagle Nebula
Magnitude 6



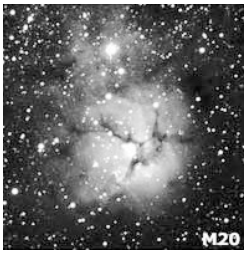
M17 Swan Nebula
Magnitude 6



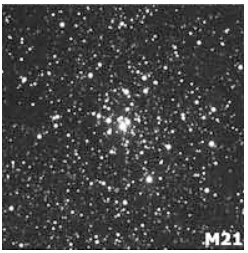
M18 Open Cluster
Magnitude 7.5



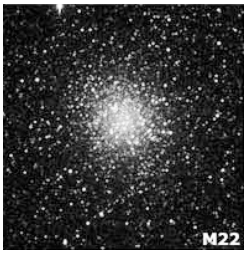
M19 Globular Cluster
Magnitude 7.5



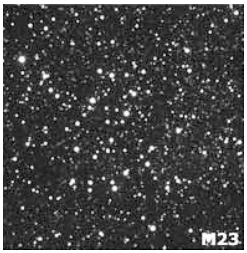
M20 Trifid Nebula
Magnitude 6.3



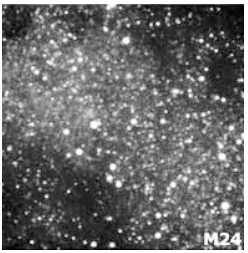
M21 Open Cluster
Magnitude 6.5



M22 Globular Cluster
Magnitude 5.1



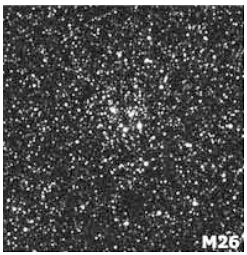
M23 Open Cluster
Magnitude 6.9



M24 Star Cloud
Magnitude 4.6



M25 Open Cluster
Magnitude 4.6



M26 Open Cluster
Magnitude 8



M27 Dumbbell Nebula
Magnitude 7.5



M28 Globular Cluster
Magnitude 7.7



M29 Open Cluster
Magnitude 7.1



M30 Globular Cluster
Magnitude 7.7



M31 Andromeda Galaxy
Magnitude 3.4



M32 Dwarf Galaxy
Magnitude 8.1



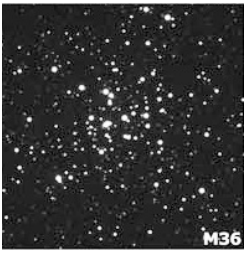
M33 Triangulum Galaxy
Magnitude 5.7



M34 Open Cluster
Magnitude 5.5



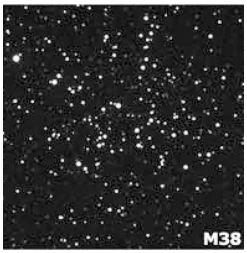
M35 Open Cluster
Magnitude 5.3



M36 Open Cluster
Magnitude 6.3



M37 Open Cluster
Magnitude 6.2



M38 Open Cluster
Magnitude 7.4



M39 Open Cluster
Magnitude 5.5



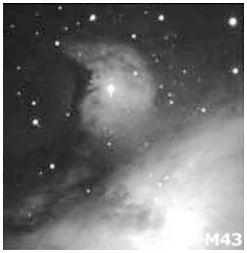
M40 Double Star
Magnitude 9.7



M41 Open Cluster
Magnitude 4.5



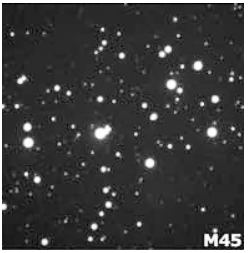
M42 Orion Nebula
Magnitude 4



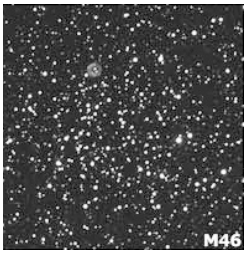
M43 De Mairan's
Nebula Magnitude 9



M44 Beehive Cluster
Magnitude 3.7



M45 Pleiades Cluster
Magnitude 1.6



M46 Open Cluster
Magnitude 6.1



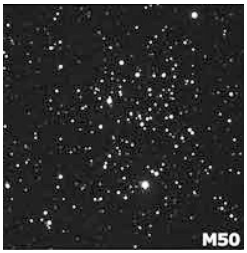
M47 Open Cluster
Magnitude 4.2



M48 Open Cluster
Magnitude 5.5



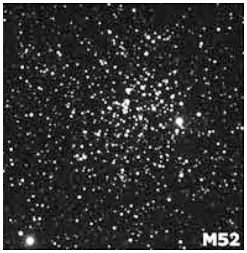
M49 Galaxy NGC 4472
Magnitude 9.4



M50 Open Cluster
Magnitude 5.9



M51 Whirlpool Galaxy
Magnitude 8.4



M52 Open Cluster
Magnitude 5



M53 Globular Cluster
Magnitude 8.3



M54 Globular Cluster
Magnitude 8.4



M55 Globular Cluster
Magnitude 7.4



M56 Globular Cluster
Magnitude 8.3



M57 Ring Nebula
Magnitude 8.8



M58 Galaxy NGC 4579
Magnitude 10.5



M59 Galaxy NGC 4621
Magnitude 10.6



M60 Galaxy NGC 4649
Magnitude 9.8



M61 Galaxy NGC 4303
Magnitude 10.2



M62 Globular Cluster
Magnitude 7.4



M63 Sunflower Galaxy
Magnitude 9.3



M64 Black Eye Galaxy
Magnitude 9.4



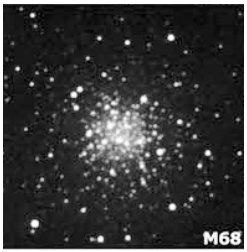
M65 Galaxy NGC 3623
Magnitude 10.3



M66 Galaxy NGC 3627
Magnitude 8.9



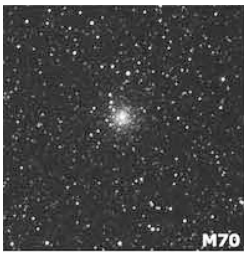
M67 Open Cluster
Magnitude 6.1



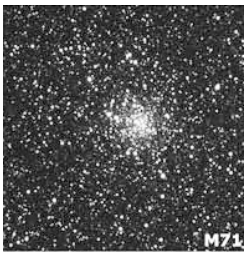
M68 Globular Cluster
Magnitude 9.7



M69 Globular Cluster
Magnitude 8.3



M70 Globular Cluster
Magnitude 9.1



M71 Globular Cluster
Magnitude 6.1



M72 Globular Cluster
Magnitude 9.4



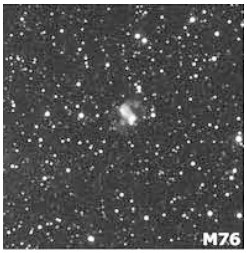
M73 Asterism
Magnitude 9



M74 Galaxy NGC 628
Magnitude 10



M75 Galaxy NGC 6864
Magnitude 9.2



M76 Little Dumbbell
Magnitude 10.1



M77 Cetus A Galaxy
Magnitude 9.6



M78 Diffuse Nebula
Magnitude 8.3



M79 Globular Cluster
Magnitude 8.6



M80 Globular Cluster
Magnitude 7.9



M81 Bodes Galaxy
Magnitude 6.9



M82 Cigar Galaxy
Magnitude 8.4



M83 S/Pinwheel Galaxy
Magnitude 7.5



M84 Galaxy NGC 4374
Magnitude 10.1



M85 Galaxy NGC 4382
Magnitude 10



M86 Galaxy NGC 4406
Magnitude 9.8



M87 Virgo A Galaxy
Magnitude 9.6



M88 Galaxy NGC 4501
Magnitude 10.4



M89 Galaxy NGC 4552
Magnitude 10.7



M90 Galaxy NGC 4569
Magnitude 10.3



M91 Galaxy NGC 4548
Magnitude 11



M92 globular Cluster
Magnitude 6.3



M93 Open Cluster
Magnitude 6



M94 Galaxy NGC 4736
Magnitude 9



M95 Galaxy NGC 3351
Magnitude 11.4



M96 Galaxy NGC 3368
Magnitude 10.1



M97 Owl Nebula
Magnitude 9.9



M98 Galaxy NGC 4192
Magnitude 11



M99 Galaxy NGC 4254
Magnitude 10.4



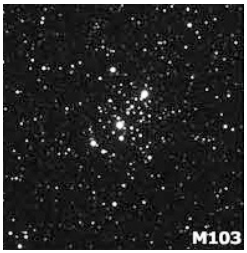
M100 Galaxy NGC 4321
Magnitude 10.1



M101 Pinwheel Galaxy
Magnitude 7.9



M102 Galaxy NGC 5866
Magnitude 9.9



M103 Open Cluster
Magnitude 7.4



M104 Sombrero Galaxy
Magnitude 9



M105 Galaxy NGC 3379
Magnitude 10.2



M106 Galaxy NGC 4258
Magnitude 9.1



M107 Galaxy NGC 6171
Magnitude 8.9



M108 Galaxy NGC 3556
Magnitude 10.7



M109 Galaxy NGC 3992
Magnitude 10.6



M110 Galaxy NGC 205
Magnitude 9

Notes

Compiled from various internet sources by ***M. Fuller***