

# Upper Yarra U3A Astronomy Program 2019

Series of 12 Meetings, Schedule February to July

## Meeting Structure:

- \* Start 13:00, three 20 minutes Session (broadly based as below), each followed by 10 minutes Question Time and Discussions
- Session a: Great Courses Video (followed by Coffee Break)  
We continue the Series "The Science of Ancient Astronomy" by Professor Bradley E. Schaefer
- Session b: Features of the Night Sky
- Session c: This Week's Sky / Current Phenomena
- \* Finish at 14:30

- 1<sup>th</sup> Meeting Date Thursday 7 February
  - a Lecture 7 - Meteor Worship and Iron Age
  - b Messier 65 Globular Cluster in Const Leo
  - c This Week's Sky
- 2<sup>nd</sup> Meeting Date: Thursday 21 February
  - a Lecture 8 - Eclipses, Comets and Omens
  - b Messier 71 Globular Cluster Const Sagitta
  - c This Week's Sky
- 3<sup>rd</sup> Meeting Date: Thursday 7 March
  - a Lecture 9 - The Star of Bethlehem
  - b Messier 73 Globular Cluster in Aquarius
  - c This Week's Sky
- 4<sup>th</sup> Meeting Date: Thursday 21 March
  - a Lecture 10 - Origins of West Constellations
  - b Messier 74 Spiral Galaxy in Const Pisces
  - c This Week's Sky
- 5<sup>th</sup> Meeting Date: Thursday 4 April
  - a Lecture 11 - Non West Constellations
  - b Messier 76, Planetary Nebula in Perseus
  - c This Week's Sky
- 6<sup>th</sup> Meeting Date: Thursday 18 April
  - a Lecture 12 - Origins of Astrology
  - b Messier 77, Spiral Galaxy in Const Cetus
  - c This Week's Sky
- 7<sup>th</sup> Meeting Date: Thursday 2 May
  - a Lecture 13 - Tracking Planet Positions
  - b Messier 79, Globular Cluster in Lepus
  - c This Week's Sky
- 8<sup>th</sup> Meeting Date: Thursday 16 May
  - a Lecture 14 - Ancient Calendars
  - b Messier 80, Globular Cluster in Scorpius
  - c This Week's Sky
- 9<sup>th</sup> Meeting Date: Thursday 30 May
  - a Lecture 15 - Lunar and Islamic Calendar
  - b Messier 81 Spiral Galaxy in Ursa Major
  - c This Week's Sky
- 10<sup>th</sup> Meeting Date: Thursday 13 June
  - a Lecture 16 - Ancient Navigation
  - b Messier 92, Globular Cluster in Hercules
  - c This Week's Sky
- 11<sup>th</sup> Meeting Date: Thursday 27 June
  - a Lecture 17 - Early Greek Astronomy
  - b Messier 102, Lenticular Galaxy in Draco
  - c This Week's Sky
- 12<sup>th</sup> Meeting Date: Thursday 11 July
  - a Lecture 18 - The Genius of Hipparchus
  - b Messier 110, Dwarf Galaxy Andromeda
  - c This Week's Sky

The Meeting Place is the CFA Rooms,  
37 Yarra St, Yarra Junction                      Alfred Klink

## List of Messier Objects in this Series

M65 - Globular Cluster in Leo, with M66, M96 and M105; M71 - Globular Cluster in Const Sagitta; M73 - Globular Cluster in Aquarius, with M73 and M2; M74 Spiral Galaxy in Pisces; M76 - Planetary Nebula in Perseus; M77 - Spiral Galaxy in Const Cetus; M79 - Globular Cluster in Const Lepus; M80 - Open Cluster in Scorpius, with M4, M6 and M7; M81 - Spiral Galaxy in Ursa Major, with M82, M 97 and M101; M92 - Globular Clusters in Hercules, with M13; M102 - Lenticular Galaxy in Draco; M110 - Dwarf Galaxy in Andromeda, with M31.

Messier objects are a set of 110 astronomical objects catalogued by the French astronomer Charles Messier in his "*Catalogue des Nébuleuses et des Amas d'Étoiles*" ("Catalogue of Nebulae and Star Clusters"). A preliminary version first appeared in Memoirs of the French Academy of Sciences in 1771 and the last item was added in 1966 by Kenneth Glyn Jones, based on Messier's observations.