

# Upper Yarra U3A Astronomy Program 2018

Series of 12 Meetings, Schedule July to December

## 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 "My Favourite Universe", a 12 Course Lecture by Professor Neil deGrasse Tyson, until 30 August, then "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

- 11<sup>th</sup> Meeting Date Thursday 5 July
  - a Lecture 8 - In Defence of the Big Bang
  - b Messier 41 Globular Cluster in Canis Major
  - c This Week's Sky
- 12<sup>th</sup> Meeting Date: Thursday 19 July
  - a Lecture 9 - The Greatest Story ever told
  - b Messier 42/43 Orion Nebula
  - c This Week's Sky
- 13<sup>th</sup> Meeting Date: Thursday 2 August
  - a Lecture 10 - Forged in the Stars
  - b Messier 44 Beehive Cluster in Cancer
  - c This Week's Sky
- 14<sup>th</sup> Meeting Date: Thursday 16 August
  - a Lecture 11 - The Search for Planets
  - b Messier 45 The Pleiades in Taurus
  - c This Week's Sky
- 15<sup>th</sup> Meeting Date: Thursday 30 August
  - a Lecture 12 - The Search for Life
  - b Messier 46/47/48, Open Clusters in Puppies
  - c This Week's Sky
- 16<sup>th</sup> Meeting Date: Thursday 13 September
  - a Lecture 1 - On Archaeoastronomy
  - b Messier 49, Elliptical Galaxy in Virgo
  - c This Week's Sky
- 17<sup>th</sup> Meeting Date: Thursday 27 September
  - a Lecture 2 - The Real Stonehenge
  - b Messier 50, Open Cluster in Monoceros
  - c This Week's Sky
- 18<sup>th</sup> Meeting Date: Thursday 11 October
  - a Lecture 3 - Maes Howe and Newgrange
  - b Messier 51, Galaxy in Canes Venatici
  - c This Week's Sky
- 19<sup>th</sup> Meeting Date: Thursday 25 October
  - a Lecture 4 - Egypt's Great Pyramid
  - b Messier 52 Open Cluster in Cassiopeia
  - c This Week's Sky
- 20<sup>th</sup> Meeting Date: Thursday 8 November
  - a Lecture 5 - Chaco Canyon and Anasazi
  - b Messier 53, Globular Cluster Coma Berenices
  - c This Week's Sky
- 21<sup>st</sup> Meeting Date: Thursday 22 November
  - a Lecture 6 - Ancient Cosmologies
  - b Messier 54/55, Globular Clusters Sagittarius
  - c This Week's Sky
- 22<sup>nd</sup> Meeting Date: Thursday 6 December
  - a Lecture 7 - Meteorite Worship
  - b Messier 56, Globular Cluster in Lyra
  - c This Week's Sky

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

The December Meeting will be a Pre-Christmas  
Meeting under cover at the Kurth Kiln Big Shed

## List of Messier Objects in this Series

M41 - Globular Cluster in Canis Major; M42, M43 - Orion Nebula; M44 - Beehive Cluster in Cancer; M45 - The Pleiades in Taurus; M46, M47, M48 - Open Clusters in Puppies; M49 - Elliptical Galaxy in Virgo; M50 - Open Cluster in Monoceros; M51 - Galaxy in Canes Venatici; M52 - Open Cluster in Cassiopeia; M53 - Globular Cluster Coma Berenices; M54, M55 - Globular Clusters in Sagittarius; M56 - Globular Cluster in Lyra.

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.

**"It is up to us to give meaning to the Universe"**