

Upper Yarra U3A Astronomy Program

Series of 11 Meetings Schedule, July – December 2015

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)
Our new Video Series is called "The History and Nature of our Universe" by Professor Mark Whittle
- Session b: Constellations of the Night Sky
- Session c: Current Phenomena
- * Finish at 14:30

- First Meeting Date: Thursday 9 July
 - a Lecture 1 - The Journey ahead
 - b ANDROMEDA - Andromeda
 - c This Week's Sky
- Second Meeting Date: Thursday 23 July
 - a Lecture 2 - Denizens of the Universe
 - b BOÖTES - The Herdsman
 - c This Week's Sky
- Third Meeting Date: Thursday 6 August
 - a Lecture 3 - Overall Cosmic Principles
 - b CANES VENATICI - The Hunting Dogs
 - c This Week's Sky
- Fourth Meeting Date: Thursday 20 August
 - a Lecture 4 - The Stuff of the Universe
 - b CASSIOPEIA - the Queen
 - c This Week's Sky
- Fifth Meeting Date: Thursday 3 September
 - a Lecture 5 - Sweep of Cosmic History
 - b CEPHEUS - the King
 - c This Week's Sky
- Sixth Meeting Date: Thursday 17 September
 - a Lecture 6 - Measuring Cosmic Distances
 - b COMA BERENICES - Northern Crown
 - c This Week's Sky
- Seventh Meeting Date: Thursday 1 October
 - a Lecture 7 - Expansion and Age
 - b CORONA BOREALIS-Northern Crown
 - c This Week's Sky
- Eighth Meeting Date: Thursday 15 October
 - a Lecture 8 - Distance and Appearance
 - b CYGNUS - The Swan
 - c This Week's Sky
- Ninth Meeting Date: Thursday 29 October
 - a Lecture 9 - Dark Matter and Dark Rnergy
 - b DRACO - the Dragon
 - c This Week's Sky
- Tenth Meeting Date: Thursday 12 November
 - a Lecture 10 - Cosmic Geometry, Triangle
 - b HERCULES - the Strongman
 - c This Week's Sky
- Eleventh Meeting Date: Thursday 26 November
 - a Lecture 11 - Cosmic Expansion, Energy
 - b LACERTA - the Lizard
 - c This Week's Sky
- Twelfth Meeting Date Thursday 10 December
 - a Lecture 12 - Cosmic Accelleration
 - b LYRA - the Harp
 - c This Week's Sky

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

List of Constellations in this Series

ANDROMEDA (Andromeda), BOÖTES (the Herdsman),CANES VENATICI (the Hunting Dogs), CAASIOPEIA (the Queen), CEPHEUS (the King), COMA BERENICES (the Northern Crown), CORONA BOREALIS (The Nothern Crown), CYGNUS (the Swan), DRACO (the Dragon), HERCULES (the Strongman), LACERTA (The Lizard), LYRA (The Harp).

Eugene Delporte drew the boundaries of all constellations along vertical and horizontal lines of right ascension and declination; however, he did so in 1930 for the epoch B1875.0, which means that due to precession of the equinoxes, the borders on a modern star map (e.g., for epoch J2000) are already somewhat skewed and no longer perfectly vertical or horizontal. This skew will increase over the years and centuries to come.

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