

Upper Yarra U3A Astronomy Program

Series of 11 Meetings Schedule, February – June 2014

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)

" Session b: Constellations of the Southern Sky

" Session c: Current Phenomena

* Finish at 14:30

! First Meeting Date: Thursday 7 February

- a Video Lecture 90 - Hidden Dimensions
- b Constellation Sextans - Sextant
- c This Week's Sky

! Seventh Meeting Date: Thursday 2 May

- a Lecture 96 - Reflections on Cosmic Life
- b Centaurus - Centaur (Mythical Figure)
- c This Week's Sky

! Second Meeting Date: Thursday 20 February

- a Video Lecture 91 - Fate of the Universe
- b Constellation Crater - The Cup
- c This Week's Sky

! Eighth Meeting Date: Thursday 15 May

- a Lecture 51 - The Sun's brilliant Future
- b Ophiuchus - Serpent Bearer
- c This Week's Sky

! Third Meeting Date: Thursday 6 March

- a Video Lecture 92 - In the Beginning
- b Antlia - An Air Pump
- c This Week's Sky

! Ninth Meeting Date: Thursday 29 May

- a Lecture 52 - White Dwarfs and Novas
- b Lupus - the Wolf
- c This Week's Sky

! Fourth Meeting Date: Thursday 20 March

- a Lecture 93 - The Inflationary Universe
- b Pyxis - a Mariner's Compass
- c This Week's Sky

! Tenth Meeting Date: Thursday 12 June

- a Lecture 53 Exploding Stars
- b Ara - the Altar
- c This Week's Sky

! Fifth Meeting Date: Thursday 3 April

- a Lecture 94 - The Ultimate Free Lunch
- b Volans - the Flying Fish
- c This Week's Sky

! Eleventh Meeting Date: Thursday 26 June

- a Lecture 54 - Stealing to Explode
- b Apus - a Bird of Paradise
- c This Week's Sky

! Sixth Meeting Date: Thursday 17 April

- a Lecture 95 - A Universe of Universes
- b Chamaeleon - a Chameleon
- c This Week's Sky

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

List of Southern Constellations

SEXTANS (Sextant) CRATER (Cup) ANTLIA (Air Pump) PYXIS (Mariner's Compass) VOLANS (Flying Fish) CHAMAELEON (Chameleon) CENTAURUS (Centaur) OPHIUCHUS (The Serpent Bearer) LUPUS (Wolf) ARA (Altar) APUS (Bird of Paradise)

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.

"The aspiration to truth is more precious than its assured possession."

Gotthold Ephraim Lessing