

STARDATE 2019

Friday February 1st

4:00 pm **Registration opens** Shop & Registrations throughout Stardate: *Kay Leather*

5:30 pm **Barbecue** with *George Moutzouris*

Friday Evening *Chair: Geoff Palmer*

7:00 pm **Official Opening**

7:10 pm **Wonders of our Summer Night Sky** *Presentation by Richard Hall*



Using images from space telescopes we explore nebulae, star clusters, and weird and wonderful celestial objects in our summer evening night sky. This will include the largest emission nebula within a million light-years.

8:00 pm **Tea/coffee**

8:20 pm **Synergies in space – Mission to Mars** *Presentation by Haritina Mogosanu*



In September 2018 we went to Oxford Area School in a one-week immersive Mars experience. This is a presentation about the project that we would like to offer to schools around New Zealand.

9.30 pm **Tour of the Night Sky** followed by **Telescope Viewing** with *Ian Cooper*

11:00pm **Late Night Movie**

Saturday 2nd February..... Morning

10:30 am **Visit to Gladstone Vineyard** *with Geoff Palmer*

Saturday Afternoon *Chair Bernadette Whaanga*

2:00 pm **Getting Started in Astrophotograph** *Workshop with Ian Cooper and Andy Williams*
A look at what it takes when starting out, and just how quickly you can produce astro-images that you can be proud of!



3:00pm **Tea/Coffee**

3:20 pm **The Astronomical Unit** *Presentation by Sam Leske*



All about the ‘yardstick’ for measuring and scaling the Solar System.

4:00 pm **When will it be clear?** *Presentation by Ian Cooper*
A guide to using the internet to work out if it will be a fine night for observing, and if not, when?

5:00 pm **Dinner/Barbecue**

Saturday Evening *Chair Ian Cooper*

7:00 pm

Mysteries of the Pyramids

Presentation by Kay Leather



Looking backward in time, and taking precession into account, we unravel the mysteries of the sphinx, the great pyramids of Giza, and the Aztec computer.

7:50 pm

Tea/coffee

8:10 pm

Solar Storm

Presentation by Richard Hall

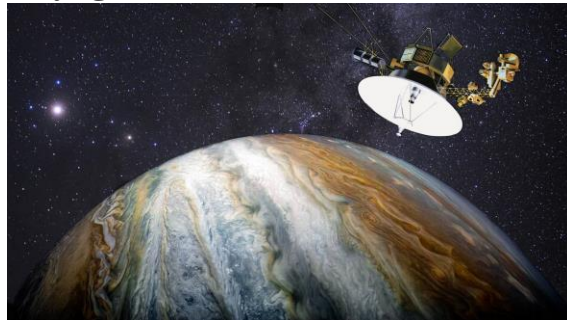


Once thought to be “perfect” and unchanging, we now know that the Sun slowly fluctuates in brightness shifting and changing the climate on Earth. In this presentation we look at solar activity and the ways in which it is responsible for the rise and fall of civilizations.

9:00 pm

Voyager

Special live music presentation by Keith Austin



Take a journey through space and time to a musical tone poem within the circle of stones at Stonehenge Aotearoa.

10:00 pm

Tour of the Night Sky followed by **Telescope Viewing** *with Ian Cooper*

11:00pm

Late Night Movie

Sunday February 3rd Morning

10:30am

Buy and Sell Market *with Kay Leather & Bernadette Whaanga*

11:00am

Ancient Tales - Tour of Stonehenge Aotearoa *with Richard Hall*

Stardate 2019 Fees **Registration Fee:** (all or part of Stardate 2019)

Adults \$30, Young persons (5 to 15 years) \$5, Children (under 5): free

Camping Fee for weekend \$10 per tent or caravan