

Awarua Satellite Ground Station Photo: Space Operations New Zealand

Committee 2022

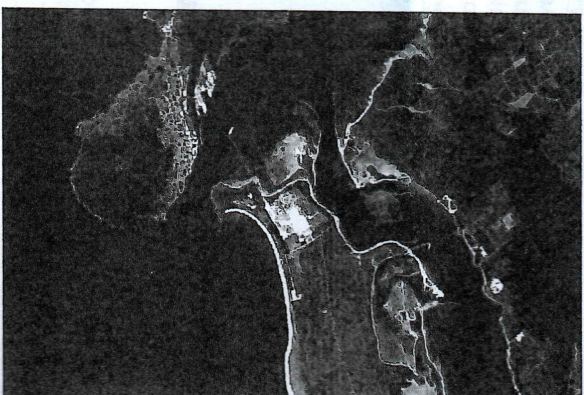
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We prefer to contact you by Email

If you have an email address, and we are not aware of it, how about letting us know.

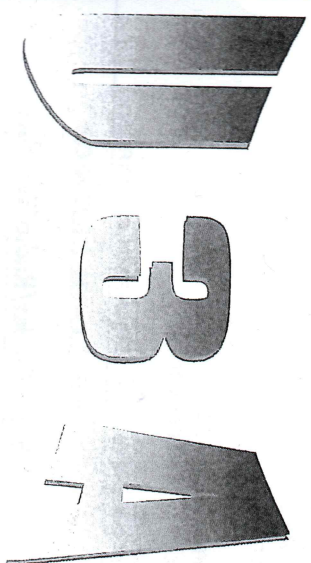
Spare paper copies of the brochure are always available if you are unable to print one for yourself

Series organised by:
Pam Butler



Awarua Plain (top), Tiwai Point (centre) and Bluff (lower left) viewed from the International Space Station in 2008.

When you come through the door, please remember to tick the appropriate box. In this age of Covid that's more important than ever.



INVERCARGILL
THE UNIVERSITY OF THE THIRD AGE

2022 Series 4

10th June to 8th July

Our Local Stations

Space/Radar/Radio/Weather



"The Awarua wireless station: The glass insulators in position ready for the placing of the pivot and the lowering of the tower."

E Chaplin Photo, Auckland Weekly News, 29 May 1913. Sir George Grey Special Collections, Auckland Libraries, AWNS-19130529-1

CHANGE OF VENUE

Venue: Lindisfarne Community Centre
22 Lindisfarne St

Time: 10:00 am

Cost: \$30 per person

Entry Requirement: Masks must be worn.

Our Local Stations

Space/Radar/Radio/Weather

Session 1: Friday 10 June

Presenter: Robin McNeill

Station Manager and CEO of Space Operations New Zealand.

"Our Place in Space: Space activities at Awarua"

Since earning a degree in electrical engineering in 1980, Robin has many achievements – more than mentioned here. He has a Bachelor of Arts, played viola in the National Youth Orchestra, written columns, edited books, constructed telecommunications networks from the Equator to Antarctica, tramped, climbed and was the first person to carry an amateur radio to the summit of Mt Cook/Aoraki. He was presented the Rabone Award for Engineering Excellence in 2016 and was made a Member of the New Zealand Order of Merit for services to Conservation in 2017.

Session 2: Friday 17 June

Presenter: Martin Unwin

"Bob Unwin and the History of Southern New Zealand Atmospheric Radar Observations: Childhood Memories, Adult Reflections"

A southern New Zealander by residence as well as temperament, Martin Unwin spent much of his childhood in Invercargill and Central Otago and is most at home in the hills and valleys of the lower South Island. After studying physics and mathematics at Otago and Canterbury he spent most of his career working for NIWA and its predecessor organisations on freshwater fisheries, evolutionary processes in New Zealand salmon, and the impact of land use changes on water quality in fresh water. Now retired to Wanaka he continues to visit the hills and also runs a permanent backyard astronomical observatory.

Session 3: Friday 1 July

Presenter: Mike Bailey

"Awarua Radio Station and Museum"

Mike works at the local weather station releasing weather balloons, and volunteers with a number of organisations, such as Radio Southland (where he hosts NZ's only dedicated Astronomy show), the Southland Astronomical Society, and the Awarua Communications Museum. The Awarua site is known around the world for being special in the world of radio, and Mike will share his knowledge about this site as a radio station and as a museum.

Session 4: Friday 8 July

Presenter: Andy Fraser

Weather Station Manager.

"Weather Observations in Invercargill 1905 – 2022"

Andy will talk about the early basic observations in the city and the transition to the observatory today, with a few detours - '50yrs in the roaring 40s'. Andy started work with MetService in the early 70's in various locations around New Zealand including time on Campbell Island and in Antarctica, and since 1995 has held a contract with MetService to operate the Observatory at the Airport. In the last 20years he has also provided specialist consultancy services to support a number of project and organisations, notably the pest eradication programs on the sub-antarctic islands and within New Zealand

Registration Form Series 4 2022

Payment Methods in Order of Preference

1. Direct Credit
To Acc: 03 1746 0080910 000
2. Eftpos
Debit card payment available on the day.
3. Cash in an Envelope
Cash payments in an envelope, please, with your name or include this registration form.

Amount enclosed **\$30** per person

Name:

\$	Cash Enclosed
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Payment to:
The Treasurer – John Low
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