



Rotary Club of Christchurch South Inc.

P O Box 12-243, Christchurch 8023, NZ.



SELF

35 for

Bulletin

26 March 2025

Our Guest Speaker this week was Professor Robin Palmer, who has been Professor of Law at Canterbury University for the past 10 years. Robin was a Club member for a period before resigning because of his work commitments but has signalled that he will return to the Club as a member in the near future.

The topic of Robin's address was Deception-Detection Devices: Forensic Brainwave Analysis, f-MRI, and the Polygraph, covering around 4 years of research findings into ensuring that the truth is being presented in court hearings.

Robin spoke of the Formal Truth, and of Truth Verifiers.

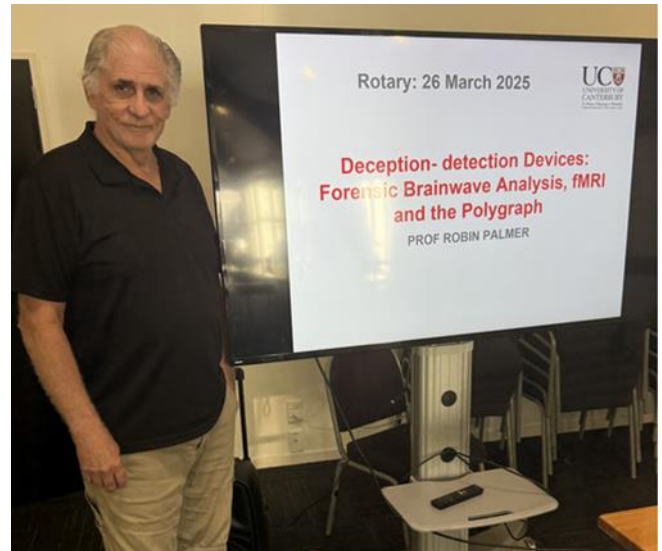
In the past Torture was used as a means of getting confessions, but these days more reliance is placed on logical inferences, probability assessments, and factual scientific bases such as DNA, fingerprints, etc. The final inference problem relies on investigations and courts, with evidence admissibility and weight being crucial.

There are a range of deception detection devices and methods including:

1. Non-verbal (body language)
2. Facial action coding systems
3. Linguistic inquiry and word count
4. Polygraph
5. Cognitive measures
6. Forensic Brainwave Analysis
7. Eye movement trackers
8. Functional MRI scanners
9. Functional near-infrared spectroscopy
10. Truth serums and drugs

The Polygraph ("Lie Detector") is a favoured device for trying to ascertain the truth. Questions are asked, and the device measures blood pressure, temperature, sweating and anxiety to grade the response.

Thinking about something produces the sort of body response akin to when that something is actually happening, and is seen by increased blood flow to the frontal lobe when thinking.



Robin showed cases where Forensic Brainwave Analysis has been used in criminal cases utilizing an EEG Headset, and using a probe that only a perpetrator would react to. Graphs showed some amazing consistency in finding the perpetrator.

However, with all of this there are legal and ethical issues to be resolved, as well as cultural issues (dealing with people’s heads, etc). Comparisons between Forensic Brainwave Analysis, f-MRI and Polygraph have been made on the basis of cost, complexity, accuracy, reliability, countermeasures and generalisations. The test is the Final Inference.

This was an intriguing look into some important research and we thank Robin for sharing this with us.

Thanks to Athol for the report and Viv for the photograph.

Upcoming Meetings

2/04/2025	Lesley Davidson-Hurst – Social Enterprise Bee Awesome	Bee Awesome – Educating our youth, why Bees are so important to our Ecosystem **Bring some extra cash – Honey will be available for sale**
9/04/2025	Dr Charles Simpson Partners & Friends Night	Enhancing Health Through Exercise Physiology - Reducing Cardiovascular Disease Risk" **Partners Night & Friends Night**
16/04/2025	David Broderick – Chairman SPCA New Zealand	The SPCA – Protecting New Zealand’s animals for over 150 years

- **Save the Dates**

23 April Hornby Rotary Club are visiting us.

4 June we are visiting Hornby Rotary Club. Meal is \$25 with a choice of 3 mains. More details nearer the time.

- **John Taylor Walkway**

Saturday 03 May 2025

10 -12pm BBQ lunch afterwards.

Street Appeal Dates:

- Aviva
Saturday
May 24th.
New World, St. Martin's.
This date will all be confirmed nearer the time of the appeals.
- Ranui House- Vocational visit
Wednesday 1st October
@ 6pm for a tour of the new apartments and then the Sugar Horse Pub for dinner afterwards.


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Dates for the Pink Ribbon Street Appeal for 2025 – 17-18 October 2025.

Notices:

- **We sadly record the passing of Club member, Lew Brown.** Lew joined our club in 1991 and was Club President in 2000-01. He was a greatly respected and influential member in all aspects of Club matters and had the pulse of wider Rotary. Lew was called on regularly to lead in Club celebrations, particularly at Changeover, often as MC and always as leader with his deep bass voice, of our Christmas carols 'choirs'. His arrays of jokes at such events were a highly anticipated feature.
Lew has been greatly missed at Club in recent times as mobility and health problems stymied his gargantuan determination to attend.

Our deepest condolences go out to Hope and Lew's wider family.

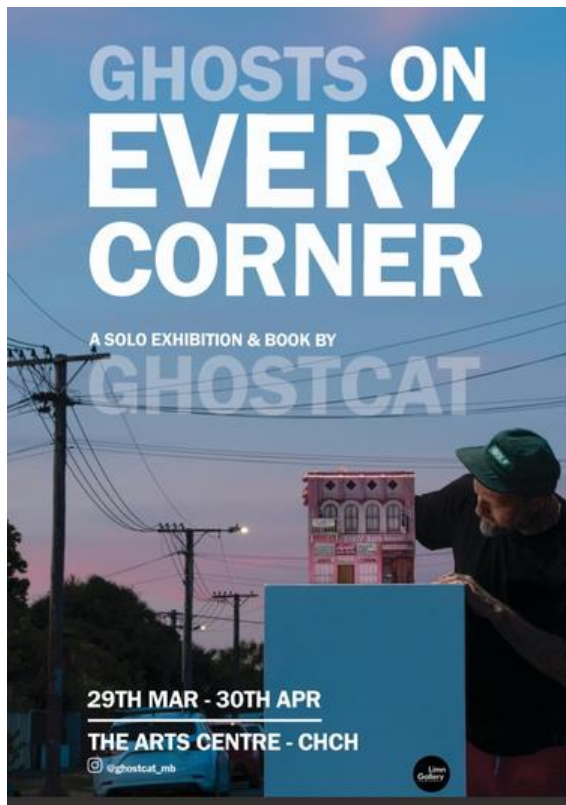


Inner Wheel Club of Christchurch West

Book Sale

Saturday 12th April 9.00am to 3.00pm
Near New, Good Quality Women's
Books
\$2.00 and \$3.00
Cash only
38 Pentonville Close Westmorland
Proceeds to: The Christchurch Aunties

Supporting Inner Wheel!



N.B. Ends 30 April.

Duties:

Duty	2-Apr-25	9-Apr-25	16-Apr-25
Cash Desk	L Bougen	G Bailey	M Bruce
Cash Desk	A McKinnon	D Buist	A McCully
Reception	A Kim	A McCully	D Buist
Speaker's Host	S Mackenzie	H Garlick	D Peterson
Grace	S Mackenzie	H Garlick	D Peterson
International Toast	A Kim	A McCully	D Buist
Thanks to Speaker	L Bougen	D Buist	A McCully

Quote for the Week	A McKinnon	G Bailey	M Bruce
Speaker Reporter	G Bailey	A McKinnon	V Ellis
Sergeant	V Ellis	G Dockrill	G Bailey

The link for the club web pages is www.christchurchsouthrotary.org.nz

The link to club Facebook pages is

<https://www.facebook.com/ChristchurchSouthRotary/>

Reminders:

APOLOGIES

Record your apology at the Reception Desk at a prior meeting, OR
email: chcsouthrotary@gmail.com before 11.00am Wednesday.

You will get a reminder a couple of days before the meeting re apologising and to advise if bringing a guest.

Emergency apologies to Alan McKinnon (021 142 7668)

OR, Club Secretary Viv Ellis (027 490 3161)

DUTIES If you are unable to carry out your allocated duty, it is YOUR responsibility to arrange a substitute.

LEAVE OF ABSENCE

Please advise all leave of absence of 3 or more weeks to the Secretary, by email or in writing.