

# **Annual Report**

for the 171<sup>st</sup> year

of the

## **ROYAL SOCIETY OF NEW ZEALAND WELLINGTON BRANCH INCORPORATED**

Year ended 31<sup>st</sup> August

2022



**Report for the 171<sup>st</sup> year of  
ROYAL SOCIETY OF NEW ZEALAND  
WELLINGTON BRANCH INCORPORATED**

Founded July 1851 as the New Zealand Society.  
Reconstituted November 1867 and renamed the  
Wellington Philosophical Society

Incorporated in 1868 with the New Zealand Institute  
Act 1867.

Renamed in 1938 as the Wellington Branch of the  
Royal Society of New Zealand

Incorporated in 1939 under the Incorporated Societies  
Act 1908 as the Wellington Branch of the Royal  
Society of New Zealand Incorporated

The Society changed its name in 1995 to Science  
Wellington Incorporated and then changed in 2001 to  
Royal Society of New Zealand Wellington Branch  
Incorporated

The Branch was registered in 2009 as a Charitable  
Entity with the Charities Commission (registration  
number CC42176)

The Branch is a Regional Constituent Organisation of  
the Royal Society of New Zealand under the Royal  
Society of New Zealand Act 1997, Section 14.

<https://www.royalsocietyofnewzealandwellingtonbranch.org>

## **COUNCIL OFFICE BEARERS, AFFILIATES AND MEMBERS FOR 2020-21**

**PRESIDENT**                      David Lillis

**VICE-PRESIDENTS**        Vacant

**SECRETARY**                      vacant

**TREASURER**                      Brian Jones

**FINANCIAL  
REVIEWER**                      Paul Jones

**COUNCIL MEMBERS** Frank Andrews (passed away in  
July 2022)  
Lucy Forde  
James Bass  
Bruce McFadgen (Seconded 2022)  
Diana Gordon (Seconded 2022)

**BRANCHES  
REPRESENTATIVE  
FOR RSNZ**                      David Lillis

# **PRESIDENT'S REPORT 2022**

## **Public Lectures**

This year the Branch began its lecture activities by hosting the delayed 2021 lecture *The Foxton Moa Hunter Site, the ca 500 Year old Earthquake and Implications for Modern Settlement*. This lecture was given by Dr Bruce McFadgen, and held at Victoria University of Wellington.

The 2021 Hudson Lecture (deferred because of COVID) was held at the Royal Society of New Zealand premises and covered the ongoing controversy on folic acid - *Down the Rabbit Hole: The wonderland of New Zealand's folic acid saga*. The lecture was given by Professor Barry Borman of Massey University.

Our 2022 Hudson Lecture was held on 14 September at the at the Royal Society of New Zealand premises. Dr. Michael Johnston of the New Zealand Initiative. *Missing pieces: Epistemic and argumentative perspectives in science education*. In this lecture Dr. Johnston considered science education from theoretical, epistemic and argumentative perspectives. The theoretical perspective focusses on teaching specific contributions of science to human knowledge, for example, genetics, atomic structure and Newtonian mechanics. The epistemic perspective is concerned with developing students' understanding of the processes by which scientific theories are tested. The argumentative perspective involves learning to argue in a reasoned fashion, guided by evidence and to contest ideas in good faith.

## **Ph.D Scholarships**

This year we awarded three Postgraduate Student Scholarships. Our winners were Solomon Gurmu Beka, Maria Rabino-Neira and Natalie Germann.

Solomon Gurmu Beka is a Ph.D. Candidate in Aviation Medicine at the University of Otago, under the supervision of Dr. Robin Griffiths.

Maria Rabino-Neira is an international humanitarian lawyer. Maria's research investigates the interplay between International Humanitarian Law and the counter-terrorism normative framework to understand better how the protection of humanitarian workers can be improved in armed conflicts with terrorist organisations.

Natalie Germann is a Ph.D student studying in the Department of Psychological Medicine at the University of Otago. Her research is focussed on mental health in Aotearoa. Specifically, it aims to examine the effectiveness of residential mental health care which provides dialectical behavioural therapy for clients. This project aims to have important clinical significance for mental health treatment at both a national and international level.

### **Wellington Science and Technology Fair**

The NIWA Wellington Science and Technology Fair was held again in spite of COVID. The Branch provides a prize for the Runner up Best Overall Exhibit. Our winners were Kaita Hummel-Jibiki and Simon Langham from Tawa College. David Lillis presented the prize of \$750 at the award ceremony, held on Saturday 27 August at Victoria University of Wellington, Old Government Buildings.

Their project, called *Resilient Rotifers*, focussed on constructing a rudimentary way of analysing water samples using rotifers found in the water. Rotifers are microscopic aquatic invertebrates that are found worldwide. Their physical appearance and characteristics, along with their quantity in certain samples, are so great that they are perfect for use as bio-indicators of water quality.

Students were asked to provide a slideshow and video presenting their project, in lieu of the usual poster board, and then had interviews with the judges about their work on Judging Day. The fair was a success, and the winning exhibits can be viewed on the Science Fair website ([www.sciencefair.org.nz](http://www.sciencefair.org.nz)).

### **Thanks to our Council Members**

Sadly, Frank Andrews was unwell over the last two years and passed away on 11 July 2022. Frank was a member of Royal Society of New Zealand Wellington Branch for many years and a member of Council for several years until his passing on 11 July.

In the current financial year (2021-22), the Branch was delighted to second to Council both Dr. Bruce McFadgen and Dr. Diana Gordon onto Council. Bruce holds a Ph.D in geology from Victoria University and is retired. Diana holds a Ph.D in physical chemistry from Cambridge University but has worked as a fund manager since completing her degrees. They, together with Professor Barry Borman who was seconded to Council in September 2022, will be proposed for election in October at our Annual General Meeting.

I have greatly enjoyed my time on Council this year and I thank my fellow councillors for their support and hard work: Frank Andrews, Brian Jones (Treasurer), Bruce MacFadgen, Lucy Forde, John Bass and Diana Gordon.

On behalf of Council I wish all of you the best of luck for the remainder of 2022 and a wonderful summer vacation.

David Lillis

**17 October 2022**

## **TREASURER'S REPORT**

**For the year ended 31 August 2022**

The style and format of the financial reporting conforms to the standards required by the Charities Commission. The tier under which a charity reports is determined by the annual expenses or operating payments of its previous two financial years. The RSNZ Wellington Branch falls under Tier 4.

Members have adapted well to using the website facility incorporating the ability to pay subscriptions by credit card online, or direct Bank transfer online.

The Incorporated Societies Act was repealed in 2022 and replaced by the Incorporated Societies Act 2022. The Society has not yet registered under the new Act and continues to operate under the old Act. Existing societies may re-register under the new Act from October 2023 and it is the intention of the Council to re-register. To add to the workload, the Government has initiated a review of the Charities Act 2005.

The Covid-19 pandemic continued to affect our ability to hold meetings, thus we spent rather more than normal on prizes and scholarships. However, we managed to increase our membership slightly through attracting student members.

Finally, I would like to thank Paul Jones, our Financial Reviewer, for his help this year.

**Brian Jones (Treasurer)**

**ENTITY INFORMATION:**  
**For the year ended 31 August 2022**

**Legal Name**

The Royal Society of New Zealand Wellington Branch Inc.

**Type of Entity**

The Royal Society of New Zealand Wellington Branch Inc. is an incorporated society and charitable trust registered with the New Zealand Companies Office and the Charities Commission. The society operates under a Constitution and is governed by the requirements by the Incorporated Society Act 1908 and the Charitable Trusts Act 1957.

**Date of Formation**

New Zealand Companies Office: 18 December 1939  
Charities Commission: 30 June 2008

**Registration Number**

New Zealand Companies Office Registration Number: 215762  
Charities Commission registration number: CC42176

**Purpose or Mission**

The objects of the Royal Society of New Zealand Wellington Branch Inc. are the promotion and advancement of science, technology and the humanities in the Wellington region.

**Structure**

Non-affiliated

## **Main Sources of Cash and Resources**

From membership subscriptions, donations and interest.

## **Main Methods to Raise Funds**

Subscriptions, donations and bequests

**Reliance on Volunteers and Donations** The society relies entirely on volunteer time and expertise to complete its work.

## **Registered Office**

11 Turnbull Street, Thorndon, Wellington 6011

## **Postal Address**

PO Box 3085, WELLINGTON 6140

## **Website**

<https://www.royalsocietyofnewzealandwellingtonbranch.org>

## **Emails**

[president.RSNZ.wellington@outlook.com](mailto:president.RSNZ.wellington@outlook.com)

[treasurer.RSNZ.wellington@outlook.com](mailto:treasurer.RSNZ.wellington@outlook.com)

[secretary.RSNZ.wellington@outlook.com](mailto:secretary.RSNZ.wellington@outlook.com)

## **Facebook**

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

## **Twitter**

<https://twitter.com/RSNZWellington>

## **Council**

David Lillis, President

Brian Jones, Treasurer

Frank Andrews (passed away in July 2022)

Lucy Forde

James Bass

Bruce McFadgen (co-opted 2022)

Diana Gordon (co-opted 2022)

## **Banker**

ANZ Bank, 24 Willis Street Branch, Wellington

## **Financial Reviewer**

Paul Jones, Email: [jones00paul@gmail.com](mailto:jones00paul@gmail.com)

**Statement of Receipts and Payments**  
**For the year ended 31 August 2022**

	<b>Note</b>	<b>Actual 2021-22</b>	<b>Actual 2020-21</b>	<b>Actual 2019-20</b>
<b>INCOME</b>				
Donation		70	50	0
Interest Income		178	199	392
2022 Member Subs Received		2,553	2,524	769
Late 2021 subs received		0	1748	0
<b>Total Income</b>		<b>2,801</b>	<b>4,521</b>	<b>1,167</b>
<b>EXPENSES</b>				
Accounting			0	0
Advertising			0	0
Administration		230	220	210
AGM Catering		0	0	0
Bank Fees		120	120	120
Cafe Scientifique		0	0	0
Event expenses		204	524	124
General expenses		0	0	0
Glean Media		500	250	250
Scholarships	1	2,000	2,000	0
Science and Technology Fair		750	1,000	500
Venue Hire		0	0	0
<b>Total Operating Expenses</b>		<b>3,804</b>	<b>4,114</b>	<b>704</b>
<b>Operating Surplus (deficit)</b>		<b>(1,003)</b>	<b>407</b>	<b>463</b>
<b>Opening Cash Balance in Bank</b>		<b>16,361</b>	<b>15,953</b>	<b>15,490</b>

<b>Cash Flow In</b>	(1,003)	407	463
<b>Closing Cash</b>	15,359	16,360	15,953
<b>Balance in Bank</b>			

**Represented by:**

<b>ANZ Cheque</b>	2359	3360	2953
<b>Account</b>			
<b>ANZ Term</b>	13,000	13,000	13,000
<b>Deposit</b>			

1. In 2020-21 the scholarship amount includes a late payment from the 2019-20 financial year.

Treasurer: Brian Jones  
Date 13 September 2022

**Notes to the Financial Statements For the year ended 31 August 2022**

**1 GENERAL ACCOUNTING POLICIES**

The entity is an incorporated society established under the Incorporated Societies Act 1908 and a charitable trust registered under the Charitable Trusts Act 1957. These financial statements have been prepared in accordance with the accounting policies stated below.

The measurement base adopted is cash basis record.

**2 PARTICULAR ACCOUNTING POLICIES**

**Investments**

Investments are valued at the lower of cost or net realisable value.

**Incomes and expenses**

Incomes are recognised upon receipt of monies.

Expenses are recognised upon transferred payment.

**Goods and Services Tax (GST)**

These financial statements have been prepared inclusive of GST. The Royal Society of New Zealand Wellington Branch Inc. is not registered for GST.

**Differential Reporting**

The entity is a qualifying entity of differential reporting by virtue of the fact that is not large and is not publicly accountable. All available exemptions have been applied with the exception of FRS-19, "Goods and Services Tax".

**Income Taxation**

The entity is an incorporated Society and Charitable Trust that qualified for income tax deduction as a non-profit organisation. If net surplus is lower than \$1,000, an income tax return is not required by the IRD

**Membership Subscriptions and Donations** The RSNZ Wellington Branch is a membership charitable trust. The subscriptions and donations are non-taxable income.

**Contingent Liabilities and Capital Commitments** There are no contingent liabilities and capital commitments during 2020-21.

**3 CHANGES IN ACCOUNTING POLICIES**

The entity now applies the accounting standards frame work (ASFW) required by the External Reporting Board. This reporting is under Tier 4 of the ASFW requirements. Other than this, there is no change to the accounting policies.

**4 RELATED PARTIES**

There were no related party transactions during the year 2020-2021

## 5 MEMBERSHIP SUBS RECEIVED

	<b>2022</b>	<b>2021</b>	<b>2020</b>
Ordinary members 4 @ \$40	160	240	230
*Ordinary members 6 @ \$37.34	224	115	115
Retired members 12 @ \$30	360	180	240
*Retired members 2 @ \$27.55	55	86	28
Family members 4 @ \$20 each	80	80	80
Student members 0 @ \$15	0	0	0
*Student members 6 @ \$13.81	82	42	59
Emeritus members exempt	0	0	0
Honorary members 4 exempt	0	0	0
Life members 3 exempt	0	0	0
Fellows 63 at bulk rate#	1590	3528	0
One member paid \$25	0	0	25
<b>TOTAL</b>	<b>2553</b>	<b>4271</b>	<b>779</b>

\* Payment on the website is subject to a % card fee.

# 2020 figure includes Fellows payments for both 2020 and 2019.

REVIEWER REPORT

NOT YET RECEIVED

## MEMBERSHIP

As at 31<sup>st</sup> August 2022

Total 126 (115) Bracketed numbers are counts as of 31/8/2021

Ordinary, Family, Student and Retired members 41 (29)

Life 3 (3)

Emeritus 19 (19)

Honorary 3 (4)

Fellows 60 (60)

\* Indicates a family member

### Members

Dr R. A. Arnold  
 Prof. B. Borman  
 D. C. Calhoun  
 Dr P T Chester\*  
 Y. M. Curtis  
 Dr R G Davies  
 J. Dobelmann  
 Dr J..E.C. Flux  
 Dr M Forbes  
 Dr L C Forde  
 N. Germann  
 Dr M. E. Gordon  
 Dr. D. Gordon  
 M. Head  
 Q. Highgate  
 L. A. M. Hughes  
 E. Isaac  
 I. Johnstone  
 Dr J. B. Jones  
 Dr P. Lester  
 Dr G. Lewis  
 Dr D. Lillis  
 Dr G. L. Lyon  
 D. S. McDonald  
 Dr A. D. McEwen\*  
 Dr W. M. McEwen\*  
 Dr I. J. Miller  
 E. Molloy  
 Dr S. Moore  
 E. Munster  
 J. Parr  
 Dr P. Pfeffer  
 Dr J. I. Raine\*  
 C. J. R. Robertson  
 R. Senanayake

C. R. Smart  
 Dr N. Stanton  
 A. Stronach  
 B. Sullivanhill  
 H. M. Tobin  
 N. Yopp

### Emeritus members

K. W. Cory-Wright  
 Dr J. W. Dawson  
 Dr R. R. Dibble  
 Dr G. W. Gibbs  
 Dr J. R. Hulston  
 C. E. Ingham  
 F. B. Knox  
 Dr D. Lovatt  
 W. J. P. MacDonald  
 Dr A. Malahoff  
 R. J. Munster  
 Dr J. J. Reed  
 Dr E.I. Robertson  
 FRSNZ  
 L. J. Rollo  
 M. Sanson  
 Dr T. M. Skerman  
 Dr. G.R.Stevens  
 FRSNZ  
 Prof L. D. Swindale  
 Dr W. A. Watters

### Honorary

**Members**  
 Dr G. G. C. Claridge  
 G. L. Jones  
 V. R. Moore

### Life Members

H. R. Hughes  
 Dr B. G. McFadgen  
 Dr D. Spiller

### Fellows RSNZ

Prof P. J. Barrett  
 Dr J. J. Bass  
 Prof C. R. Beasley  
 Dr A. G. Beu  
 Dr H. M. Bibby  
 Dr R. J. Bowden  
 Dr I. W. Brown  
 Dr R. G. Buckley  
 Prof J. F. Burrows  
 Prof D. Carnegie  
 Prof L. Carter  
 Dr A. Cleland  
 Prof M. J. Cresswell  
 Prof N. F. Curtis  
 Dr F. J. Davey  
 Prof R. G. Downey  
 Dr I. W. Evans  
 Prof G.J. Fletcher  
 Dr R. H. Furneaux  
 Prof P. H. Gander  
 Prof R. I. Goldblatt  
 Prof N. Greenberg  
 Dr J. M. Grieve  
 Prof J. F. Harper  
 Prof G. R. Hawke  
 Prof J. Holmes  
 Prof P. L. Howden-  
 Chapman  
 Prof J. H. Johnston  
 Prof E. V. Khmaladze

Prof W. Larner  
Prof G. S. Le Gros  
Prof K. J. MacKenzie  
Prof W. Manhire  
Dr K. R. Markham  
Dr D. R. Martin  
Prof K. McNatty  
Prof T. R. Naish  
Dr W. A. Nelson  
Prof. D. W. Norton  
Prof J. D. Pratt

Dr M. E. Reyners  
Prof M. L. Savage  
Prof S. Schenk  
Prof R. A. Smith  
Prof T. A. Stern  
Dr R. Sutherland  
Dr J. L. Tallon  
Prof H. J. Trodahl  
Dr P. C. Tyler  
Hon S. D. Upton  
Prof D. Vere-Jones

Prof M. J. Visser  
Prof J. Vowles  
Prof R. I. Walcott  
Prof C. A. Ward  
Prof T. Ward  
Dr G. J. Weir  
Prof G. P. Whittle  
Prof C. J. Wilson  
Prof M. Zhang

## **ANNUAL GENERAL MEETING 2021**

Due to the Covid-19 pandemic, the AGM for 2021 was deferred to 20 July 2022. The delayed AGM was held in the rooms of the Royal Society of New Zealand premises, Thorndon, Wellington.

A quorum being present, the minutes and for the 2020 meeting and the Annual Reports for 2021, both previously circulated electronically, were accepted. There was no change to the subscriptions and the decisions regarding officers on Council for 2021/2022 were ratified. David Lillis noted that Council member, Frank Andrews, had passed away on 11 July 2022 and that he had delivered a short eulogy on behalf of the Branch. There was no general business.