

**Annual Report
for the 168th year**

of the

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

**Year ended 31st August
2019**

**Report for the 168th 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. It is a
Committee under Sections 14(2) and 28(3)

P.O. Box 3085, Wellington 6011, New Zealand

<https://rsnzwellington.live.prefer.co.nz/>

**COUNCIL OFFICE BEARERS, AFFILIATES
AND MEMBERS FOR 2018-19**

PRESIDENT	Phil Lester
VICE-PRESIDENTS	David Lillis Nicole Stanton
SECRETARY	Chrissy Boulton
TREASURER	Brian Jones
FINANCIAL REVIEWER	Paul Jones
COUNCIL MEMBERS	Frank Andrews Lucy Forde Evan Brenton-Rule
BRANCHES REPRESENTATIVE FOR RSNZ	Phil Lester

PRESIDENT’S REPORT 2019

We’ve just had the branch’s premier lecture—the Hudson Lecture—presented at Victoria University in August. Professor Tony Ward’s talk on “Theoretical illiteracy and therapeutic dead ends: lessons from forensic and correctional practice” was well attended and fascinating. If you’ve missed it, you can still see the talk on our new and very flash website (<https://rsnzwellington.live.prefer.co.nz/>). There are other lectures on our website too, including the 2018 Hudson Lecture by Professor Miriam Meyerhoff.

We’re using the new website more and more. There are previous talks and newsletters there. But, perhaps more importantly, now you can use this site to join the society and annually pay your fees. We are actively encouraging people to use this site as it is a great way for us to record membership lists and member details.

Please do sign up for the Branch in 2020 using the website! The website also has had a series of blogs including a recent article on prime numbers by David Lillis.

The Committee have been discussing ideas for increasing the relevance and impact of the branch to the local science community. One suggestion has been for the Wellington Branch to develop position statements on key issues affecting science and communities in the Wellington region. These issues might include climate change, bottled water, or vaccination. We will trial this approach in 2020. We suggest that potential topics could be chosen after gathering suggestions and discussion at

the AGM. So please come along and bring your suggestions for issues to discuss. Perhaps we could consider two topics for 2020. Once the topics have been decided, we could then bring in speakers or a panel for a public discussion or seminar, with a follow-up of a subcommittee of the branch to develop a short evidence-based document and position (e.g. two pages). That document and position could be publicized with letters-to-the-editor in newspapers etc. We think this could be a good idea and use of the Branch, but need your input and enthusiasm too.

In 2019 the Branch continued its long support of the NIWA Wellington Science & Technology Fair, which was again a successful event and useful contribution to the Wellington science community. I'd like to acknowledge the major roles that committee members Nicole Stanton and Chrissy Boulton have played in the organisation and running of the fair. Nicole and Chrissy have joined a long-serving and outstanding committee that have provided a major service to science in Wellington. And, while speaking about committees, I'd like to thank the entire membership of the Wellington Branch of the Royal Society. We owe a debt to our council members Frank Andrews, Chrissy Boulton, Evan Brenton-Rule, Lucy Forde, Brian Jones, Nicole Stanton and David Lillis.

A final note of sadness, in acknowledging the passing of Dr. Wyn Beasley in July 2019. Wyn was an enthusiastic and very supportive member of the council at a time when the society was struggling to get people to commit. He gave a number of very well attended talks and arranged for us to hold an AGM at the Wellington Club,

of which he was a long-standing member. He was especially interested in the history of medicine and particularly the relationship between Banks, Cook and John Hunter the surgeon, being the author of the book “Fellowship of the three” which was the basis of a talk to the Society. Wyn was, in every sense of the term, “a scholar and a gentleman”. He will be greatly missed.

Phil Lester
President, 2019.

TREASURER'S REPORT

For the year ended 31 August 2019

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

During this year we dispensed with the accounting services of Xero as the monthly costs were becoming unsustainable. This year too, Membership income received a substantial boost when the parent body, Royal Society Te Apārangi, encouraged the Fellows to join their local Branch, and the parent body paid the relevant subscriptions to us in bulk. Members will also be pleased to know that we have a new website incorporating the ability to pay subscriptions by credit card online.

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 2019

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://rsnzwellington.live.prefer.co.nz/>

Emails

president.RSNZ.wellington@outlook.com

treasurer.RSNZ.wellington@outlook.com

secretary.RSNZ.wellington@outlook.com

Facebook

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

Twitter

<https://twitter.com/RSNZWellington>

Council

Phil Lester, President

David Lillis, Vice President

Nicole Stanton, Vice President

Brian Jones, Treasurer

Chrissy Boulton, Secretary

Frank Andrews

Lucy Forde

Evan Brenton-Rule

Banker

ANZ Bank, 24 Willis Street Branch, Wellington

Financial Reviewer

Paul Jones, Email: jones00paul@gmail.com

Statement of Receipts and Payments For the year ended 31 August 2019

INCOME	Note	Actual 2019	Actual 2018	Actual 2017
Donation		10	150	98
Interest		437	433	447
Income				
Membership	5	2678	1415	1945
Subscriptions				
Total Income		3125	1998	2490

EXPENSES

Accounting		94	569	569
Advertising		34	-	35
Administration		200	190	-
AGM catering		101	-	-
Bank Fees		69	52	36
Café		200	203	203
Scientifique				
Event Expenses		-	186	-
General		-	-	190
Expenses				
Glean Media		250	-	200
Scholarships		-	500	2500
Science and		500	1000	-
Technology				
Fair				
Venue Hire		-	1024	115

Total	1449	3723	3847
Operating Expenses			

Operating surplus (deficit)	1676	(1725)	(1358)
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Opening Cash Balance in Bank	1381
Cash Flow In	1676
Closing Cash Balance in Bank	1549
	0

Represented by:	
ANZ Cheque Account	2490
ANZ Term Deposit	13,000

Treasurer: Brian Jones
Date: 05 September 2019

Notes to the Financial Statements For the year ended 31 August 2019

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 2019.

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 2018-2019

5. MEMBERSHIP SUBS RECEIVED

	2019	2018	2017
	\$	\$	\$
Ordinary members 14 at rate \$40	560	520	640
Ordinary member 1 at rate \$38	38	0	0
Retired members 17 at rate \$30	510	840	900
Family members 2 at rate \$20	40	40	240
Student members 0 at \$15	0	15	165
Emerita members 26 exempt	0	0	0
Honorary members 5 exempt	0	0	0
Life members 3 exempt	0	0	0
Fellows 63 at bulk rate	1530	0	0
Total	2678	1415	1945

Note: Two Ordinary Members have paid 2020 in advance.

Reviewers Report

**To Members of The Royal Society of New Zealand Wellington Branch
Incorporated**

For the year ended 31 August 2019

I have reviewed the financial records of The Royal Society of New Zealand Wellington Branch for the year ended 31 August 2019.

The Branch reports in accordance with Tier 4 of the Public Benefit Entity Accounting Standard XRBA1.

In my opinion, based upon the financial documents that I have reviewed the branch records have been kept in an appropriate manner and the accompanying financial reports provide a true and fair view of the financial position of the Royal Society of New Zealand Wellington Branch Incorporated for the year ended 31 August 2019.



Paul Jones BCA

20 September 2019

MEMBERSHIP

As at 31st August 2019

Total: 129

Ordinary, Family and Retired Members: 32

Life: 3

Emeritus: 26

Honorary: 5

Fellows: 63

*Resigned 2019

**Deceased 2019

Members:

F Andrews
 R A Arnold
 H Barr
 J Bartlett
 B Blackett
 C Boulton
 E Brenton-Rule
 D C Calhoun
 D Capper
 F Cook
 N Curtis
 Y Curtis
 R Davies
 T Drage
 B Easton
 M Forbes
 D P Fairfax
 J Flux
 L Forde
 I Goodwin
 M Harper*
 M Gordon
 M Head
 M Horwood
 B Jones
 F Knox
 P Lester
 D Lillis
 G Lyon
 D McDonald
 A McEwen
 M McEwen
 A McIlraith

I Miller
 S Moore
 E Munster
 I Raine
 C J Robertson
 C Smart
 N Stanton
 E W Spedon*
 H Tobin
 N Yopp

Honorary members:

G G C Claridge
 R B Miller
 G L Jones
 V R Moore

Life Members:

H R Hughes
 B G McFadgen
 D Spiller

Emeritus members:

K W Cory-
 Wright
 P Cotton**
 J W Dawson
 R R Dibble
 G W Gibbs
 G W Grindley**
 J R Hulston
 C E Ingham

F B Knox
 D Lovatt
 W J P
 MacDonald
 A Malahoff
 R J Munster
 J J Reed
 E I Robertson
 L J Rollo
 T M Skerman
 I G Speden
 G R Stevens**
 L D Swindale
 W A Watters

Fellows:

S
 Bandyopadhyay
 P Barrett
 J Bass
 R Beasley W
 Beasley**
 A Beu
 H Bibby
 J Harper

 R Bowden
 I Brown
 R Buckley
 J Burrows
 D Carnegie
 L Carter

A Cleland	A Kaiser	T Stern
M Cresswell	E Khmaladze	G Stevens
F Davey	W Larner	R Sutherland
R Downey	G Le Gros	J Tallon
I Evans	K MacKenzie	J Trodahl
G Fletcher	B Manhire	P Tyler
R Furneaux	K Ronald	S Upton
P Gander	Markham	D Vere-Jones
R Goldblatt	D Martin	M Visser
N Greenberg	K McNatty	J Vowles
J Grieve	T Naish	R Walcott T
B Halton	W Nelson	Ward
J Harper	D Norton	C Ward
G Hawke	J Pratt	G Weir
J Holmes	M Reyners	G Whittle
P Howden- Chapman	M Savage	C Wilson
J Johnston	S Schenk	M Zhang
	R Smith	

ANNUAL GENERAL MEETING 2018

The 2018 Annual General Meeting was held at the Thistle Inn, Thorndon on 11 October 2018 at 6pm. The AGM was followed by a speaker, Dr Paul Young MBChB, BSc (Hons), FCICM. Paul is an Intensive Care Specialist and the Medical Director of the Wakefield Hospital ICU and head of the Intensive Care Research Unit at Wellington Hospital.

EVENTS

HUDSON LECTURE 2019

Theoretical Illiteracy and Therapeutic Dead ends: Lessons from Forensic and Correctional Practice

Wednesday 14th August 2019

**Professor Tony Ward DipClinPsyc, PhD,
FRSNZ
Victoria University of Wellington**

Professor Tony Ward of Victoria University's School of Psychology delivered the 2019 Hudson Lecture on Wednesday 14 August. Professor Ward spoke about the classification and explanation of crime in research and practice. Research on crime and risk factors that lead to crime provides clinicians with useful information on offending groups. He said that dynamic risk factors and offence types are underpinning constructs that support current forensic practice and rehabilitation policy. However, Professor Ward believes that reliance on these constructs is leading to theoretical dead ends, fragmented practice and disappointing rehabilitation outcomes. Professor Ward discussed new ways of formulating dynamic risk factors and classifying crime. He discussed how these theoretical innovations can lead to superior

theory and more targeted interventions. The lecture was held at Victoria University and approximately sixty people attended.

Other Branch Lectures

Wednesday 10 April Associate Professor Richard Arnold (Programme Director - Data Science at the School of Mathematics and Statistics, Victoria University of Wellington)

presented the first Wellington Branch Lecture for 2019, entitled **'Statistics isn't the Problem.'**

Professor Arnold described how statistics contributes to knowledge and the establishment of evidence rather than anecdote. He gave a brief summary of his own academic career and presented examples of his work as an applied statistician in health, seismology and linguistics. He also discussed the new discipline of Data Science.

On Wednesday 3rd July Dr Annette Koo from the Measurement Standards Laboratory of New Zealand (MSL) spoke on “**Cheese, platinum and fundamental constants - what is the revision of the SI all about?**”

Worldwide agreement on units of measurement has brought us freedom to trade and innovate, as well as supported improved wellbeing and trust. Dr. Koo’s talk outlined why are we changing the system now and what the revision of the International System of Units promises for the future. Dr. Koo discussed the redefinition of the Kelvin away from the triple point of water, including the measurements contributing to the final value of Boltzmann's constant and the ongoing implementation of the temperature scale.

Café Scientifique Lower Hutt

The Branch continued to support Café Scientifique in Lower Hutt during 2018 before it went into recess through 2019. In 2019 a separate Café Scientifique associated with Victoria University began and a donation was given to the organisers by the Branch.

The Lower Hutt talks for 2018-19 were:

- August 2018 Colin Ryder on “The Taputeranga Marine Reserve – How, Why, What, Where and When”
- September 2018: Graham Leonard on “Ruapehu and Tongariro – Tiny Crystals Reveal a Whole New Story”
- October 2018: Giuseppe Cortese on “What One-Cell Organisms Usually Do In Their Spare Time”.
- November 2018: Bill Trompetter on “Indoor air quality: What Tiny Particles Are In The Air We Breathe In?”

2019 WELLINGTON REGIONAL SCIENCE FAIR

Congratulations to Blake Shepherd from Rongotai College who won the Royal Society of New Zealand Wellington Branch's runner-up prize of \$500 for best overall exhibit in the Wellington Regional Science Fair with his entry 'Is Cotton Rotten?' Blake's experiment explored what is the best material for tramping clothing.

Blake was presented with his prize by our Branch Vice-President, Dr Nicole Stanton, at the Science Fair prize-giving on Saturday 31st August.

Wellington Regional Science and Technology Fair

Financial Accounts

For the year ended 31 March 2019

Certification of Accounts

I certify that these accounts have been chosen to be prepared to comply with generally accepted accounting practice (GAAP) for the financial period ending 31 March 2019 for the Wellington Regional Science & Technology Fair (Organising Committee).

The accounts represent an accurate representation of the financial affairs of the Committee for the period.



Lesley Young, CA
Hon Treasurer

5-Aug-2019
Date

Verification of Accounts

I have viewed the accounts and supporting papers for the financial period ending 31 March 2019 for the Wellington Regional Science & Technology Fair (Organising Committee).

The papers presented to me represent an accurate representation of the financial affairs of the Committee for the period.



Sandy Dayal
Chartered Accountant

22/6/19
Date

WELLINGTON SCIENCE FAIR

Trial Balance	31/03/2018 DR	CR	31/03/2019		
INCOME					
RWA application		(6,000.00)	(6,000.00)		
Other donations - received to bank		(6,000.00)	(6,000.00)		
Refunds for Display Boards		0.00	0.00		
Interest - Bank		(173.78)	(173.78)		
EXPENSES					
Pizza awarded	11,358.00	(382.00)	10,976.00		
Printing	1,941.20		1,941.20		
Entertainment - deductible	1,221.38		1,221.38		
Entertainment - non deductible	388.30	(338.30)	50.00		
Labour	0.00		0.00		
Stationery	0.00		0.00		
Postage	0.00		0.00		
Photocopying	0.00		0.00		
Bank fees	0.00		0.00		
Misc expenses	177.00		177.00		
	<u>18,778.58</u>	<u>(10,020.58)</u>	<u>(1,661.20)</u>		
ASSETS					
Bank account - ASZ	1,282.28	175.00	1,457.28	12,704.01	0.00
Interest receivable bank ASZ	0.00		0.00		
Accounts Receivable	0.00		0.00		
Term Deposit	(6,000.00)	(6,000.00)	0.00		
LIABILITIES					
Accounts Payable - The Wellington WSF about 2017 (\$238.30) and 2018 (\$79)	(238.30)	238.30	(66.00)	(66.00)	
Accrued Expenses - wages cheq 31 March 2017 \$302.00	(302.00)	302.00	(175.00)	(175.00)	
EQUITY					
Retained Earnings	(70,448.48)		(70,448.48)		
YSO Real Income	0.00		0.00		
TOTAL	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>		

Breakdown of pizza awarded	
Pizza 2018 WSF	11,358.00
Revenue 2017 wages cheq	(382.00)
	<u>10,976.00</u>

Notes:

- Accrued \$175.00 in unpresented cheques for the 2018 awarded pizza

DR Bank	175.00	
CR Accrued expenses - wages cheq		175.00
- Wrote off \$302.00 in unpresented cheques for the 2017 awarded pizza

DR Accrued expenses - wages cheq	302.00	
CR Wages		302.00
- Accrued to reimburse the Waitresses for WSF Committee Clerk to celebrate 2018 Fair (Mikenna Povey) -

DR Meal expense (non deductible)	350.00	
CR Accounts Payable		350.00
(no expense form received yet)		
- Reverse Accrued to reimburse the Waitresses for WSF Committee Clerk to celebrate 2017 Fair (Melanie) -

DR Meal expense (non deductible)	238.30	
CR Accounts Payable		238.30
(no expense form received yet)		
- Re-Accrued to reimburse the Waitresses for WSF Committee Clerk to celebrate 2017 Fair (Pekona) -

DR Meal expense (non deductible)	238.30	
CR Accounts Payable		238.30
(no expense form received yet)		
- H D Goulet account

Opening balance	2,190.81	
Pizza awarded	(102.00)	
Interest for the year (journal account 0.10%)	2.19	
	<u>2,090.90</u>	

Breakdown of Entertainment expense - the catering at the Fair is 100% deductible

Charter Catering - judge dinner	(480.00)
Catering at 2018 fair judging day - Leley Young	(206.30)
Catering at 2018 fair prize giving day - Laraine Warburton	(130.30)
	<u>(816.60)</u>
Total meal expense	<u>(1,221.38)</u>

NWA WELLINGTON REGIONAL SCIENCE & TECHNOLOGY FAIR

A Society of the Incorporated of New Zealand - Wellington Branch Inc.
 (a Wholly Owned Subsidiary of the Trust Society of New Zealand)

STATEMENT OF FINANCIAL PERFORMANCE
 FOR THE YEAR ENDED 31 MARCH 2018

	2018	2018	2018	2018	Movement
INCOME					
Grant Sponsorship	\$2,000.00		\$2,000.00		\$0.00
Other Donations	\$8,493.00		\$7,700.00		(\$793.00)
Interest - Bank	\$113.51		\$11.00		(\$102.51)
Total Income		\$8,606.51		\$7,711.00	(\$895.51)
EXPENDITURE					
Prizes	\$10,000.00		\$9,070.00		(\$930.00)
Printing	\$1,841.00		\$1,070.00		(\$771.00)
Entertainment - Whakarewa	\$1,011.00		\$1,730.00		(\$719.00)
Entertainment - non-Whakarewa	\$201.00		\$190.00		(\$11.00)
Labour	\$0.00		\$10.00		(\$10.00)
Subsidiary	\$0.00		\$0.00		\$0.00
Postage	\$0.00		\$30.00		(\$30.00)
Photocopying	\$0.00		\$0.00		\$0.00
Bank Fees	\$0.00		\$0.00		\$0.00
Miscellaneous Expenses	\$112.00		\$0.00		\$112.00
Total Expenditure		\$12,077.00		\$12,710.00	(\$633.00)
NET INCOME(LOSS)		(\$2,470.49)		(\$5,000.00)	(\$2,529.51)

STATEMENT OF FINANCIAL POSITION
 AS AT 31 MARCH 2018

	2018	2018	2018	2018	Movement
ASSETS					
ABC Bank Account - General Fund	\$91,715.00		\$89,000.00		(\$2,715.00)
ABC Bank Account - FD (Under Maintenance Fund)	\$2,000.00		\$1,000.00		(\$1,000.00)
		\$93,715.00		\$90,000.00	(\$3,715.00)
ABC Term Deposit	\$0.00		\$10,000.00		(\$10,000.00)
Interest Receivable - non-ABC	\$0.00		\$0.00		\$0.00
Accounts Receivable	\$0.00		\$0.00		\$0.00
		\$0.00		\$10,000.00	(\$10,000.00)
TOTAL ASSETS		\$93,715.00		\$110,000.00	(\$16,285.00)
LIABILITIES					
Accounts Payable	\$0.00		\$200.00		(\$200.00)
Accounts Payable - Unapportioned Charges	\$110.00		\$200.00		(\$90.00)
Total Liabilities		\$110.00		\$400.00	(\$290.00)
EQUITY					
Related Entities - General Fund	\$0.00		\$7,000.00		(\$7,000.00)
Reserve Fundings - FD (Under Maintenance Fund)	\$1,000.00		\$2,000.00		(\$1,000.00)
Profit / (Loss) for the Year	\$1,000.00		\$7,000.00		(\$6,000.00)
Total Equity		\$2,000.00		\$16,000.00	(\$14,000.00)
TOTAL LIABILITIES AND EQUITY		\$93,715.00		\$110,000.00	(\$16,285.00)
cash check		\$0.00		\$0.00	(\$0.00)

