

**Annual Report
for the 166th year**

of the

**ROYAL SOCIETY OF NZ
WELLINGTON BRANCH
INCORPORATED**

**Year ended 31st August,
2017**

Report for the 166th 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

www.wellington.rsnzbranch.org.nz

COUNCIL OFFICE BEARERS, AFFILIATES AND MEMBERS FOR 2016-17

PRESIDENT	Phil Lester
VICE-PRESIDENTS	David Lillis Brian Jones
SECRETARY	Chrissy Boulton
TREASURER	Jay Curtis
FINANCIAL REVIEWER	Paul Jones
COUNCIL MEMBERS	Nancy Yopp Frank Andrews Wyn Beasley Trevor Drage Bradley Williams
BRANCHES REPRESENTATIVE FOR RSNZ	Brian Jones

PRESIDENT'S REPORT 2017

The AGM was held at the Thistle Inn, Thorndon on the 20th October 2016 with about 25 members in attendance. The 2017 committee would like to sincerely thank that of the previous years council, including Brian Jones' extensive work as President. Brian stepped into the role of President for a two year term when the Branch really needed his expert handling and support. Over the last year, Brian has continued his involvement and positive contribution to our organization. Two other previous committee members also deserve special acknowledgement. Nicole Jones retired from her substantial role as secretary to focus on her PhD thesis and during the year Queenie Lin resigned as secretary in a move to Auckland. We sincerely thank Nicole and Queenie for their fantastic work and dedication. We'd also like to acknowledge Chrissy Boulton and Jay Curtis for stepping onto the committee. Thanks to you both for volunteering. Your work keeps societies like ours running.

The Branch was pleased to host several high-profile lectures during the last year:

- Catherine Knight gave a talk in March on “Our rivers: learning from the past to create a better future”, relating to her book on an environmental history of New Zealand Rivers.
- Rebecca Priestley, winner of the New Zealand Prime Minister's Science Communication Prize, gave her talk on “Dispatches from Continent Seven: science communication and Antarctica” in May.
- And as part of the Royal Society Te Apārangi's 150th year celebration, jointly with the Wellington Branch, Sir Peter Gluckman gave his talk on “New life science technologies and social license” in August.

- Professor Matt Visser of Victoria University of Wellington was invited to give the 2017 Hudson Lecture. He gave a lecture entitled “The Hawking evaporation of black holes” on 23rd August.
- We’d also like to acknowledge committee member Lucy Forde’s role in the many Cafe Scientifique talks, which are supported by the Branch. One of the most recent talks was on “New Zealand buildings and their resilience to earthquakes” with Andrew King.

Our final talk for the year will occur at the Branch’s AGM in October. Committee member Wyn Beasley will give a talk entitled “Three men building a robust scientific heritage”. Wyn has indicated that he will retire as a committee member from the Branch at this meeting. Wyn has served on the committee for three years after a successful career as an orthopaedic surgeon. He is the author of several books, with the award of an OBE in 1971 and a CNZM in 2005. We thank Wyn for his many contributions and look forward to his talk.

The Branch was very pleased this year to be able to support student attendance of conferences. We awarded six scholarships. Each of the recipients will provide a talk on their conference topic in over the next year and have joined the Branch as student members. In addition we have again sponsored the Glean Report, and the NIWA Wellington Science and Technology Fair.

Financial Situation & Membership

The Branch this year has had funds available to fund the scholarships and talks throughout the year. The Council have maintained the current subscription fees and is not seeking to increase costs. Ordinary members pay \$40, retired people \$30, and full-time students \$15. We are only able to support students to

attend conferences, hire rooms for talks, etc, from membership fees. We urge existing members to pay their fees and recruit additional members! One additional obvious avenue to explore is to use the charitable status of the Society – donations and bequests (but not memberships) are potentially tax deductible.

Membership has DONE SOMETHING IN 2016. The Student Membership fee has recruited 22 members, who we hope to retain in the coming years. We would be pleased to hear ideas from members on recruiting and retaining new members into the Branch.

TREASURER'S REPORT

For the year ended 31 August 2017

This year the style and format of the financial reporting has changed to conform to the new 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.

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

Jay Curtis
Treasurer

ENTITY INFORMATION: For the year ended 31 August 2017

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 incorporate 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

<http://wellingtonrsnz.org.nz>

Emails

President@wellingtonrsnz.org.nz

Secretary@wellingtonrsnz.org.nz

Treasurer@wellingtonrsnz.org.nz

Facebook

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

Twitter

<https://twitter.com/RSNZWellington>

Council

Phil Lester, President

Brian Jones, Vice President

David Lillis, Vice President

Jay Curtis, Treasurer

Chrissy Boulton, Secretary

Wyn Beasley

Trevor Drage

Frank Andrews

Nancy Yopp

Banker

ANZ Bank, 24 Willis Street Branch, Wellington

Financial Reviewer

Paul Jones Email: paul.jones@paradise.net.nz

Statement of Receipts and Payments

For the year ended 31 August 2017

	Note	Actual 2017	Budget 2017	Actual 2016
INCOME		\$	\$	\$
AGM Sponsors		-	540	540
Donation		98	-	113
Interest Income		447	600	532
Membership Sub Received	5	1945	3,000	2,060
TOTAL INCOME		2490	4,140	3,245
EXPENSES				
Accounting		569	530	549
Advertising		35	-	-
AGM Catering		-	700	692
Audit & Review		-	150	-
Bank Fees		36	145	32
Cafe Scientifique		202	-	243
Freight & Courier		190	190	190
Glean Media		200	-	500
Lecture expenses		-	200	287
Printing & Stationery		-	150	98
Scholarships		2500	2,000	-
Science and Technology Fair		-	1,000	1,000
Subscriptions		-	50	-
Venue Hired		115	1,000	280
Website		-	500	-
TOTAL EXPENSES		3847	6,610	3,871
SURPLUS/(DEFICIT)		(1357)	(2,470)	(626)
		<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

Opening Cash Balance in Bank	16896
Cash Flow Out	1357
Closing Cash Balance in Bank	15539

Represented by:

ANZ Cheque Account	2,538.62
ANZ Term Deposit	13,000

Treasurer:

Date: 28 September 2016

Notes to the Financial Statements

For the year ended 31 August 2017

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 2016.

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 2016

5. MEMBERSHIP SUBS RECEIVED

	2017	2016
	\$	\$
Ordinary members 16 at rate \$40	640	1,040
Retired members 30 at rate \$30	900	690
Family members 12 at rate \$20	240	240
Student members 11 at \$15	165	90
Emerita members 26 non-paid	0	0
Honorary members 5 non-paid	0	0
Life members 3 non-paid	0	0
Total	1945	2,060

FINANCIAL REVIEWER'S STATEMENT

For the year ended 31 August 2017

MEMBERSHIP

As at 31st August 2017

Total 166 (158) Bracketed numbers are as of 31.8.2016

Ordinary, Family and Retired members 114 (114)

Student 22 (14)

Life 3 (3)

Emeritus 22 (22)

Honorary 5 (5)

* Indicates a family member

Members

Mr F P Andrews
Dr R A Arnold
Dr W M Arnold
Dr J Azzato
Dr J Baltaxe
Dr S C Bannister
Dr H Barr
Mr J J Bartlett
Dr C Bassett
Dr W Beasley
Prof M V Berridge
Dr H M Bibby
Mr B N Blackett
Ms H Bright*
Ms G LBrown
Mr D C Calhoun
Mr D S Capper
Dr P T Chester*
Mr F W Cook
Ms K Coolahan
Mr P R Cowley
Mr J H J Crawford
Mr R S Cretney
Prof M J Crozier
Prof N F Curtis*
Mrs Y M Curtis*
Mr J Daniels

Prof C H Daugherty
Dr R G Davies
Prof R G Downey
Dr T Drage
Dr J Draper
Dr B H Easton
Mr E Eldridge
Cdr D P Fairfax
Ms K A Fairweather
Mr J E Field
Mr G Filer
Dr J E C Flux*
Mrs M M Flux*
Mr M Forbes
Dr L C Forde
Mr W Freitag
Mr I Goodwin
Dr M E Gordon
Dr V R Gray
Dr P A Greet*
Mr J G Gregory
Prof J F Harper*
Dr M A Harper*
Dr S K Hasell
Ms M Head
Dr D D Heath
Dr J Hefford
Dr R H Herzer
Dr J S Hickman

Ms Gail Higgs-West*
Ms LM Horwood
Dr M Ingham
Dr J B Jones
Dr R Knibbe
Mr M H Lehner
Dr P Lester
Dr G Lewis
Dr D Lillis
Ms Q Lin
Dr G L Lyon
Dr D V Madle
Mr E A Mason
Dr V H McCann
Donald S McDonald
Dr A D McEwen*
Dr W M McEwen*
Mrs B McFadgen*
Dr M McGuinness
Dr W L McLea
Dr A H McIlraith
Mr D A McNeill
Ms A Milburn
Dr D C Mildenhall
Dr I J Miller
Ms B Mitcalfe
Dr A Mitchell
Dr H Mogosanu

Mr O M Moore
Dr S Moore
Ms E Munster
Dr E I F Pearce
Ms S Penny
Mr R Persse
Dr E M Poulter*
Dr G F Preddey
Dr J I Raine*
Mr C B Rampton
Dr M E Reyners
Mr C J R Robertson
Ms C M Ross
Mr C R Smart
Ms J R Smith
Prof E G C Smith
Dr M Staines
Dr R P Suggate
Dr C M Sutton
Mrs H M Tobin
Dr P Tortell
Prof M C Visser
Prof R I Walcott
Mr D Waters
Dr G J Weir
Prof J B J Wells
Mr I F West
A M Whitcroft
Dr D Wratt
Ms N Yopp

Student members

Miss D Atigari
Mr E Brenton-Rule
Miss A Cameron
Miss Z Clark
Ms M Cooper
Miss L Gallagher
Miss N Jones
Miss L Harrington

Miss K Hall
Ms L Kelly
Ms R Kenny
Mr C Kraus
Miss Z Lennon
Miss K Maxwell
Miss L Murray
Miss K Paton
Miss M Preuss
Ms M Rich
Miss A Taylor
Miss A Sharrock
Mr S Webber
Miss R van de Wetering

Emeritus members

Mr K WCory-Wright
Mr P Cotton
Dr J W Dawson
Dr R R Dibble
Dr G W Gibbs
Dr G W Grindley
Dr J R Hulston
Mr C E Ingham
Mr F B Knox
Dr D Lovatt
Mr W J P MacDonald
Dr A Malahoff
Mr R J Munster
Mrs S E Natusch
Dr J J Reed
Dr E I Robertson
Mr L J Rollo
Dr T M Skerman
Dr I G Speden
Dr G R Stevens
Prof L D Swindale
Dr W A Watters

Honorary Members

Dr O Bauer
Dr G G C Claridge
Dr R B Miller
Mr G L Jones
Mr V R Moore

Life Members

Mrs H R Hughes
Dr B G McFadgen
Dr D Spiller

WELLINGTON SCIENCE FAIR

Ensay August from Wellington High School (year 11) won our prize - RSNZ Wellington Branch's runner-up prize for best overall exhibit in the NIWA Wellington Regional Science & Technology Fair with his entry Quickly Quenching Quinine. He also won the best overall exhibit in class 5 and one of the special prizes sponsored by Kainic Medical Communications.

EVENTS

HUDSON LECTURE 2017

'The Hawking evaporation of black holes'

23rd August 2017

Professor Matt Visser

Victoria University of Wellington

Matt Visser is Professor of Mathematics at the Victoria University of Wellington, New Zealand. He has published widely in the areas of general relativity, quantum field theory, and theoretical cosmology. He is best known for his contributions to the theory of traversable wormholes, chronology protection, and analogue spacetimes. Matt is a Fellow of the Royal Society of New Zealand. He has been elected as a Fellow of the American Physical Society. Membership is limited to no more than one half of one percent of the membership and is recognition by his peers of his outstanding contributions to physics. His citation reads "for contributions to gravity theory, especially the effects of energy condition violations and the development of analog models of black hole and cosmological spacetimes."

Professor Matt Visser will give a general non-specialist talk touching on black hole entropy, quantum information theory, and the foundations of both general relativity and quantum physics. In 1973 Stephen Hawking proved that black holes slowly evaporate due to subtle quantum effects, leading to 44 years of confusion in the particle physics and general relativity communities. While there is little doubt that Hawking's prediction is correct, and we even have some indirect experimental evidence, the devil is in the details.

ANNUAL GENERAL MEETING 2016

The AGM was held at 20th October 2016 at the Thistle Inn, Thorndon with 25 members being present. The meeting commenced at 6pm & concluded at 6:20pm. The meeting was followed by dinner at the Thistle Inn.

Wellington Regional Science and Technology Fair

Financial Accounts

For the year ended 31 March 2017

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 2017 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

22-9-17

Date

Verification of Accounts

I have viewed the accounts and supporting papers for the financial period ending 31 March 2017 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

16/9/17

Date

19/9/17

NIWA WELLINGTON REGIONAL SCIENCE & TECHNOLOGY FAIR

A Section of the Royal Society of New Zealand - Wellington Branch Inc
(a Regional Constituent Organisation of the Royal Society of New Zealand)

STATEMENT OF FINANCIAL PERFORMANCE FOR THE YEAR ENDED 31 MARCH 2017

	2017	2017	2016	2016
INCOME				
NIWA Sponsorship	\$8,000.00		\$8,000.00	
Other Donations	\$7,630.00		\$7,390.00	
Interest - Bank	\$10.68		\$66.49	
Total Income		\$15,640.68		\$15,456.49
EXPENDITURE				
Prizes	\$11,283.00		\$12,520.00	
Printing	\$1,979.15		\$2,194.20	
Entertainment - deductible	\$195.30		\$1,599.96	
Entertainment - non-deductible	(\$400.00)		\$0.00	
Labour	\$0.00		\$0.00	
Stationery	\$85.99		\$0.00	
Postage	\$8.00		\$0.00	
Photocopying	\$0.00		\$465.00	
Bank Fees	\$15.00		\$0.00	
Miscellaneous Expenses	\$0.00		\$0.00	
Total Expenditure		\$13,166.44		\$16,779.16
NET INCOME/(LOSS)		\$2,474.24		(\$1,322.67)

STATEMENT OF FINANCIAL POSITION AS AT 31 MARCH 2017

	2017	2017	2016	2016
ASSETS				
Bank Account - General Fund	\$8,827.18		\$5,094.84	
Bank Account - HD Gordon Memorial Fund	\$2,106.81		\$2,204.61	
		\$10,933.98		\$7,299.45
Interest Receivable from ANZ		\$0.00		\$0.00
Term Deposit		\$0.00		\$0.00
Accounts Receivable		\$0.00		\$0.00
TOTAL ASSETS		\$10,933.98		\$7,299.45
LIABILITIES				
Accounts Payable	\$495.30		\$700.00	
Accrued Expenses - Unpresented Cheques	\$1,425.00		\$60.00	
Total Liabilities		\$1,920.30		\$760.00
EQUITY				
Retained Earnings - General Fund	\$4,432.63		\$5,657.50	
Retained Earnings - HD Gordon Memorial Fund	\$2,106.81		\$2,204.61	
Profit / (Loss) for the Year	\$2,474.24		(\$1,322.67)	
Total Equity		\$9,013.68		\$6,539.44
TOTAL LIABILITIES AND EQUITY		\$10,933.98		\$7,299.44
cross check		\$0.00		\$0.00

WELLINGTON SCIENCE FAIR

Trial Balance	31/03/2016 DR	CR	31/03/2017	
INCOME				
NIVA sponsorship		(8,000.00)	(8,000.00)	
Other donations - received in bank		(7,830.00)	(7,830.00)	
Rebate for Display Boards		0.00	0.00	
Interest - Bank		(10.68)	(10.68)	
EXPENSES				
Prizes awarded	11,343.00	(80.00)	11,263.00	
Printing	1,979.15		1,979.15	
Entertainment - deductible	495.30	(300.00)	195.30	
Entertainment - non deductible	0.00	(400.00)	(400.00)	
Labour	0.00		0.00	
Stationery	85.99		85.99	
Postage	8.00		8.00	
Photocopying	0.00		0.00	
Bank fees	15.00		15.00	
Misc expenses	0.00		0.00	
	13,926.44	(16,400.68)	(2,474.24)	
ASSETS				
Bank account - National Bank	7,296.44	1,426.00	2,208.54	10,933.98
Interest receivable from bank	0.00			0.00
Accounts Receivable	0.00			0.00
Term Deposit	0.00			0.00
LIABILITIES				
Accounts Payable - The Warriners catering at 2016 WSF \$495.30	(700.00)	700.00	(495.30)	(495.30)
Accrued Expenses - unprsg chqs 31 March 2017 \$1,425	(60.00)	60.00	(1,425.00)	(1,425.00)
EQUITY				
Retained Earnings	(6,539.44)			(6,539.44)
YTD Net Income	0.00			0.00
TOTAL	(0.00)	18,111.44	(16,111.44)	(0.00)

bank stmt var
10,933.98 0.00

Breakdown of prizes awarded:	
Prizes 2018 WSF	11,343.00
Reverse 2015 unprsg chqs	(80.00)
	11,263.00

Notes:

1	Accrue \$1,425 in unrepresented cheques for the 2016 awarded prizes		
	DR Bank	1,425.00	
	CR Accrued expenses - unrepr cheqs		1,425.00
2	Write off \$60.00 in unrepresented cheques for the 2015 awarded prizes		
	DR Accrued expenses - unrepr cheqs	60.00	
	CR Prizes		60.00
3	Accrue to reimburse the Warriners for WSF Committee Dinner to celebrate 2015 Fair (Alkbar) - John has decided not to claim - release accrual		
	DR Meal expense (non deductible)	0.00	
	CR Accounts Payable		0.00
	(no expense form received yet)		
4	Reverse last year's accrual for : reimburse the Warriners for WSF Committee Dinner to celebrate 2015 Fair (Alkbar)		
	CR Meal expense (non deductible)		400.00
	DR Accounts Payable	400.00	
	(no expense form received yet)		
5	Accrue for Warriner catering at WSF 2015 - John has decided not to claim - release accrual		
	DR Catering at Fair (Committee lunch) - Entertainment Deductible	0.00	
	CR Accounts Payable		0.00
	(no expense form received yet)		
6	Reverse last year's accrual for : Warriner catering at WSF 2015		
	CR Catering at Fair (Committee lunch) - Entertainment Deductible		300.00
	DR Accounts Payable	300.00	
	(no expense form received yet)		
7	Accrue for Warriner catering at WSF 2016 on Judging day - paid in July 2017		
	DR Catering at Fair (Judging day and Committee lunch) - Entertain	495.30	
	CR Accounts Payable		495.30
	(no expense form received yet)		
8	H D Gordon account		
	Opening balance	2,204.61	
	Prize awarded	(100.00)	
	Interest for the year (term deposit 0.10%)	2.20	
		<u>2,106.81</u>	
	Breakdown of Entertainment expense - the catering at the Fair is 100% deductible		
	Catering at 2016 fair accrued - Lorraine Warriner	<u>495.30</u>	495.30
	Total meal expense		<u>495.30</u>

